

TOUR REPORT

FIELD Kepler Plain WELL NAME N 67° 49' 32" W 137° SEC 24' TWP 44" R15 CONTRACTOR GP REC NO 15
 DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING
 APRIL 16, 1973

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | |
|-------------------------|----|---------------------|--|--|-----|----------------------|----|----|--|-----------------------|--|--|--|--|--|
| STANDS | 10 | NO | | | 948 | 81 | FT | NO | | | | | | | |
| SINGLE | | NO | | | | | | | | | | | | | |
| X OVER SUB | | | | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | | | | |
| DRILL COLLARS | | NO | | | | | | | | | | | | | |
| REAMER | | KIND | | | | | | | | | | | | | |
| STABILIZER | | KIND | | | | | | | | | | | | | |
| JARS | | KIND | | | | | | | | | | | | | |
| BUMPER SUB | | KIND | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|--|--|--|---------------|--|--|--|----------------|--|--|--|
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM | 10:00 AM | 11:30 AM | 1:00 PM | 2:30 PM | 4:00 PM | 5:30 PM | 7:00 PM | 8:30 PM |
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | | |
| p.H. | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REMARKS |
|-----|------|--------|-------------------|---------|
| | | | | |
| | | | | |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY | HOURS |
|----------|-----|-----|---------|----------|------|----------|-------|
| TYPE | | | | PREFLOW | mins | ESTP | |
| FROM | | | | EST | mins | ESTP | |
| TO | | | | VO | mins | ESTP | |
| RECOVERY | | | | EST | mins | ESTP | |
| HOURS | | | | RECOVERY | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-----------------------|-----------------------|-----------------------|
| DRILLER | <u>J FELT</u> | <u>J. [Signature]</u> | |
| DERRICKMAN | <u>B. [Signature]</u> | <u>B. [Signature]</u> | |
| HELPER | <u>J. [Signature]</u> | <u>B. [Signature]</u> | |
| HELPER | <u>PHIL DOTTER</u> | <u>C. [Signature]</u> | |
| HELPER | <u>B. MACKENZIE</u> | <u>B. [Signature]</u> | <u>K. [Signature]</u> |
| FIREMAN | <u>[Signature]</u> | | |
| TOOL PUSHER | <u>[Signature]</u> | | |

MUD and CHEMICAL Kind

TOUR 1

TOUR 2

TOUR 3

Play
Play
Play
Play
Play

TOUR REPORT

FIELD Kepler Plain WELL NAME N 67° 49' 32" W 137° SEC 24' TWP 44" R15 CONTRACTOR GP REC NO 15
 DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING FOR 24 HRS. ENDING 12 MIDNIGHT DATE April 16, 1973

MUD and CHEMICALS Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | |
|-------------------------|----|---------------------|--|--|-----|----------------------|----|----|--|-----------------------|--|--|--|--|--|
| STANDS | 10 | NO | | | 948 | 81 | FT | NO | | | | | | | |
| SINGLE | | NO | | | | | | | | | | | | | |
| X OVER SUB | | | | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | | | | |
| DRILL COLLARS | | NO | | | | | | | | | | | | | |
| REAMER | | KIND | | | | | | | | | | | | | |
| STABILIZER | | KIND | | | | | | | | | | | | | |
| JARS | | KIND | | | | | | | | | | | | | |
| BUMPER SUB | | KIND | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | | | |

TOUR 1

TOUR 2

TOUR 3

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|--|--|--|---------------|--|--|--|----------------|--|--|--|
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM | 10:00 AM | 11:30 AM | 1:00 PM | 2:30 PM | 4:00 PM | 5:30 PM | 7:00 PM | 8:30 PM |
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | | |
| p.H. | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REMARKS |
|-----|------|--------|-------------------|---------|
| | | | | |
| | | | | |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY | REMARKS |
|----------|-----|-----|---------|----------|------|----------|---------|
| TYPE | | | | PREFLOW | mins | ESTP | |
| FROM | | | | EST | mins | ESTP | |
| TO | | | | V.O. | mins | ESTP | |
| Recovery | | | | EST | mins | ESTP | |
| HOURS | | | | RECOVERY | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-----------------------|-----------------------|-----------------------|
| DRILLER | <u>J FELT</u> | <u>J. [Signature]</u> | |
| DERRICKMAN | <u>B. [Signature]</u> | <u>B. [Signature]</u> | |
| HELPER | <u>J. [Signature]</u> | <u>B. [Signature]</u> | |
| HELPER | <u>PHIL DOTTER</u> | <u>G. [Signature]</u> | |
| HELPER | <u>B. MACKENZIE</u> | <u>B. [Signature]</u> | <u>K. [Signature]</u> |
| FIREMAN | | | |
| TOOL PUSHER | <u>[Signature]</u> | | |

Play
Play
Play
Play

TOUR REPORT

CONTRACTOR **GP.** RIG NO **15**

FIELD **Eagle Plains** WELL NAME

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING TOUR 24 HOURS ENDING 12 MIDNIGHT **APR 11 9 1973**

CHEVRON
M.O. and CHEMICALS
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | |
|----------------------------|---------------------|--|--|----|----------------------|--------------|------------|--|-----------------------|--------------|----------------|--|--|----|
| STANDS 73 D.P. NO | | | | FT | NO 62 | | | | FT | NO 31 | | | | FT |
| SINGLE 2 D.P. NO | | | | FT | NO 1 | 590.1 | 3.3 | | FT | NO 2 | 3407.87 | | | FT |
| X OVER SUB O.D. | | | | FT | | | | | FT | | | | | FT |
| OTHER O.D. | | | | FT | | | | | FT | | | | | FT |
| DRILL COLLARS O.D. | | | | FT | | | | | FT | | | | | FT |
| DRILL COLLARS O.D. NO KIND | | | | FT | NO | | | | FT | NO | | | | FT |
| REAMER O.D. KIND | | | | FT | KIND | | | | FT | KIND | | | | FT |
| STABILIZER O.D. KIND | | | | FT | KIND | | | | FT | KIND | | | | FT |
| JARS KIND | | | | FT | KIND | | | | FT | KIND | | | | FT |
| BUMPER SUB KIND | | | | FT | KIND | | | | FT | KIND | | | | FT |
| BIT OR CORE BARREL | | | | FT | | | | | FT | | | | | FT |
| TOTAL D.P. & TOOLS | | | | FT | | | | | FT | | | | | FT |
| KELLY DOWN (BELOW H.B.) | | | | FT | | | | | FT | | | | | FT |
| DEPTH OF TOOLS | | | | FT | | | | | FT | | | | | FT |

TOUR 1
TOUR 2
TOUR 3

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|--|--|------|---------------|--|--|------|----------------|--|--|------|
| DEPTH END OF TOUR | | | | FEET | | | | FEET | | | | FEET |
| DEPTH START OF TOUR | | | | FEET | | | | FEET | | | | FEET |
| FOOTAGE DRILLED | | | | FEET | | | | FEET | | | | FEET |

| DAY WORK | HOURS | | | | | | | | | | | |
|----------------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP SPM | | | | | | | | | | | | |
| ROTARY SPEED RPM | | | | | | | | | | | | |
| WEIGHT ON BIT M lbs | | | | | | | | | | | | |
| MUD WEIGHT lb/gal | | | | | | | | | | | | |
| VISCOSITY SEC/CP | | | | | | | | | | | | |
| WLF C cc/32nd | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS FT. LOG | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TAP | REMARKS |
|-----|------|--------|------------------|---------|
| | | | | |
| | | | | |

| CORE No | No | DST No | FROM | TO | RECOVERY | HOURS |
|---------|----|--------|------|----|----------|-------|
| | | | | | | |
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|--------------------|------------------|
| DRILLER | J FEDYK | V. Rutledge | G SKINNER |
| DERRICKMAN | P. T. JONES | P. JONES | P. JONES |
| HELPER | J. GUNLUMBER | D. T. HALL | D. HALL |
| HELPER | PHIL POTTER | P. JONES | P. JONES |
| HELPER | B. MACKENZIE | P. JONES | P. JONES |
| FIREMAN | | | |
| TOOL PUSHER | P. JONES | | |

Play #
Cement
and
mud C

Play #
Cement
Play #

Play #
Cement
Play #

Sh

CHEVRON 303C WHITEFISH SMT Y 570

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|------|------|
| Kind | Amount | | |
| TOUR 1 | | 1200 | 1215 |
| | | 1215 | 200 |
| | | 1200 | 500 |
| | | 1200 | 800 |
| TOUR 2 | | 800 | 830 |
| | | 230 | 330 |
| | | 330 | 400 |
| TOUR 3 | | 1100 | 500 |
| | | 500 | 530 |
| | | 530 | 600 |
| | | 600 | 1200 |

RIG SER & BOYS
RUN IN OPEN END PICKUP 16 SINGLE
CIRC
RUN PLUG & CIRC

W O C HOIST + LAY DOWN
9 SINGLES PICK UP KEEL + CIRC
RUN IN TO FEEL FOR PLUG # 2
HOIST TO RUN PLUG # 3
FEEL PLUG # 2 AT 5660
AT 345 PM

Hoist + RUN PLUG No. 3
RUN PLUG No. 3
11 L S STANDS + BRK CIRC
W O C LAY DOWN PITS

CEMENTING TESTS, TRENCH, SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Plug #1 6980 - 6700 Mixed 165 sac construction
Cement is 145 gal slurry using Bat cementer slide unit
and pumped down drill pipe. Displaced with 95 bbl drilling
mud. Cement in Place 6 ¹⁵ AM

Plug #2 5900 - 5700 Mixed 120 sac construction
Cement. Displaced with 81 bbl drilling mud
Plug in place 7 ³⁰ AM

Plug #2 felt at 5660 at 3 ⁴⁵ PM.

Plug #3 3000 - 2800 144 sac construction
Cement 3% CaCl₂ Plug in Place at 5 ³⁰ AM
Plug # 3 felt at 2950 at 1 ¹⁵ AM - April 11/73

Shut down one boiler

Signature
SIGNATURE COMPANY ENG

TOUR REPORT

CONTRACTOR **WAS 713011N**

RIG NO **15**

CHROM

FIELD _____ WELL NAME _____ LCU _____ SEC _____ TWP _____ Rq _____ V _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **APR 12 0 1972**

MUD and CHEM Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-----------------------|---------------|---------------------|---------------|----|----------------------|---------------|----|-----------------------|---------------|----|
| STANDS | D.P. | NO 67 | 643663 | FT | NO 68 | 643663 | FT | NO 65 | 643663 | FT |
| SINGLE | D.P. | NO 1 | 3179 | FT | NO 1 | 3179 | FT | NO | 3179 | FT |
| X OVER SUB | O.D. | | | FT | | | FT | | | FT |
| OTHER | O.D. | | | FT | | | FT | | | FT |
| DRILL COLLARS | 7 O.D. | 10 | 49352 | FT | | 49352 | FT | | | FT |
| DRILL COLLARS | O.D. | NO | | FT | NO | | FT | NO | | FT |
| REAMER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT |
| STABILIZER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT |
| JARS | | KIND | | FT | KIND | | FT | KIND | | FT |
| BUMPER SUB | | KIND | | FT | KIND | | FT | KIND | | FT |
| BIT OR CORE BARREL | | | | FT | | | FT | | | FT |
| TOTAL D.P. & TOOLS | | | 696177 | FT | | 696177 | FT | | | FT |
| KELLY DOWN BELOW R.B. | | | 1820 | FT | | 1820 | FT | | 1820 | FT |
| DEPTH OF TOOLS | | | 698014 | FT | | 698014 | FT | | 698014 | FT |

TOUR 1
TOUR 2
TOUR 3

| DAY WORK | | MORNING TOUR | | | | | DAYLIGHT TOUR | | | | | AFTERNOON TOUR | | | | | |
|--------------------|---------------|--------------|---------|---------|---------|----------|---------------|---------|---------|---------|---------|----------------|----------|---------|---------|---------|---------|
| | | HOURS | | | | | HOURS | | | | | HOURS | | | | | |
| | | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 PM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM |
| PUMP | NO. IN P.S.I. | / | | | | | | | | | | | | | | | |
| ROTARY SPEED | R.P.M. | / | | | | | | | | | | | | | | | |
| WEIGHT ON BIT | MT. LBS. | D S T | | | | | D S T | | | | | / | | | | | |
| MUD WEIGHT | LB/GAL | / | | | | | | | | | | | | | | | |
| VISCOSITY | SEC. UT | / | | | | | | | | | | | | | | | |
| W.L.F.C. | C.C. 32ND | / | | | | | | | | | | | | | | | |
| pH | | / | | | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT. LOS | / | | | | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | FT. 2200 (P.S.I.) | TOTAL DEPTH | W.P.S. | W.P.S. | W.P.S. | W.P.S. | W.P.S. | W.P.S. |
|----------|------|--------|-------------------|-------------------|----------------|-----------------------|--------|--------|--------|--------|--------|
| CORE No | No | | DST No 3 | From 6885' | To 6480 | MUD ENGINEER'S REPORT | | | | | |
| TYPE | | | PREFLOW 8 | mins | FHP | W.P.S. | FHP | W.P.S. | FHP | W.P.S. | FHP |
| FROM | | | FST 45' | mins | FHP | W.P.S. | FHP | W.P.S. | FHP | W.P.S. | FHP |
| TO | | | V.O 120 | mins | FSTP | W.P.S. | V.O | W.P.S. | V.O | W.P.S. | V.O |
| Recovery | | | FST 120 | mins | FSTP | W.P.S. | FST | W.P.S. | FST | W.P.S. | FST |
| HOURS | | | RECOVERY | | | | | | | | |

Close is
CHECK
DST #3
Operator
size of
Jars, so
floor m
95' of
Pre flow
for 45'
191 to c
steady
FSI at
Recover
gassi f
1HP 36
FSIP 3
Chart

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR | W.P. | W.P. | W.P. |
|-------------|--------------------|---------------------|-----------------|------|------|------|
| DRILLER | J. FRIDYK | J. ROOSE | GSKINNER | | | |
| DERRICKMAN | B. TOUL | J. ROUSHKINA | Leptch | | | |
| HELPER | J. RUMLOMER | E. Hill | DK | | | |
| HELPER | PHIL POTTER | C. ... | ... | | | |
| HELPER | B. PALMISTO | C. ... | V. ... | | | |
| FIREMAN | | | | | | |
| TOOL PUSHER | ... | | | | | |

CHEVRON W/ WHITEFISH IT 570

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------|------|--|
| Kind | Amount | | | |
| TOUR 1 | | 1200 | 1215 | RIG SET |
| | | 1215 | 400 | TAIL OUT FOR PACKER #3 |
| | | 400 | 500 | MAKE UP PACKER |
| | | 500 | 800 | RUN IN PACKER |
| | | | | LOSEN |
| TOUR 2 | | 800 | 830 | RUN IN HOLE + SET PACKER |
| | | 830 | 845 | PACKER SET |
| | | 845 | 930 | PACKER SHUT IN |
| | | 930 | 1115 | PACKER OPEN |
| | | 1115 | 115 | PACKER SHUT IN |
| | | 115 | 420 | PULL PACK LOOSE + PULLING OUT 60 WET STBS |
| TOUR 3 | | 1100 | 600 | TRIP OUT WITH DST |
| | | 600 | 7 | BRACK DOWN TOOL + RECOVER CHATS |
| | | 700 | 815 | WATE ON CHATERS |
| | | 815 | 900 | LOAD OUT TOOL |
| | | 900 | 945 | RUN IN D.C. |
| | | 945 | 1130 | LAY DOWN D.C. |
| | | 1130 | 1200 | RUN IN D.P. PIPE |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

CLOSE IS HYDRIL PIPE RAMPS + BLIND RAMS
 CHECKED MOTOR SHUT OFFS
 DST #3 Interval 6885-6880. Testing Company - Johnson
 Operator: C. Adams. Type of Test: Conventional Dual Bottom Hole
 Size of rubbers: 7 3/4", size of choke 1/2" Extra Equipment: Hydraulic
 Jars, Safety Joint, Pump out sub-90' above tool. Fail safe head
 floor manifold.

95' of Tail pipe, 30' of perforations. 2 pressure recorders
 Pre flow 8 min - good pull, fair steady air blow, 191 at 8³⁰ AM
 for 45 min. Checked tool by opening & closing 15 min after start of
 191 to check for tool operation O.K. V.O. for 120 min - Fair
 steady air blow for 90 min then gas to surface TST at 9' above
 FSI at 11²⁰ AM for 120 min.

Recovery 450' of drilling mud, 5790' of brackish water slightly
 gassy field. CI content of water 1800 ppm
 IHP 3655 FHP 3578 ISIP 3150 IFP 1347 FFP 2762
 FSIP 3170 incomplete in 120 min Test Interval Temp 136 °F
 Charts O.K. Test Satisfactory

L. F. G. G. G.
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *E. D.*

WELL NO. *15*

FIELD *Essex Plains* WELL NAME *N 67° 09' 32" W 137° 26' TWP 44"*

CHEM

[] DRILLING [] DEEPENING [] COMPLETING

[] REDRILLING [] ABANDONING [] REWORKING [] OTHER (PLEASE SPECIFY)

April 17 19 93

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | | | | |
|---------------------|------|---------------------|---------------|--|----------------------|-----------------|---------------|-----------------------|--|-----------------|---------------|--|--|
| STANDS | D.P. | NO. <i>28</i> | <i>643663</i> | | | NO. <i>68</i> | <i>643663</i> | | | NO. <i>69</i> | <i>643663</i> | | |
| SINGLE | D.P. | NO. <i>1</i> | <i>3179</i> | | | NO. <i>1</i> | <i>3179</i> | | | NO. <i>1</i> | <i>3179</i> | | |
| X OVER SUB | O.D. | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | | <i>49352</i> | | | | <i>49352</i> | | | | <i>49352</i> | | |
| DRILL COLLARS | O.D. | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | |
| REAMER | O.D. | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | |
| STABILIZER | O.D. | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | |
| JARS | O.D. | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | |
| BUMPER SUB | O.D. | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | | NO. <i>FIND</i> | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | <i>698014</i> | | | | <i>698014</i> | | | | <i>698014</i> | | |
| KELLY DOWN BELOW RB | | | <i>1820</i> | | | | <i>1820</i> | | | | <i>1820</i> | | |
| DEPTH OF TOOLS | | | <i>698014</i> | | | | <i>698014</i> | | | | <i>698014</i> | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | <i>6980</i> | <i>6980</i> | |
| DEPTH START OF TOUR | <i>0</i> | | |
| FOOTAGE DRILLED | | <i>0</i> | |

| DAY WORK | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|--------------------|---------------|------------|-------------|---------|----------|----------|---------|---------|-----------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 PM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | <i>TRIP P</i> | | | | | | | | | | | |
| ROTARY SPEED | <i>66</i> | | | | | | | | | | | |
| WEIGHT ON BIT | <i>10</i> | | | | | | | | | | | |
| MUD WEIGHT | <i>10.1</i> | <i>9.9</i> | <i>TRIP</i> | | | | | | | | | |
| VISCOSITY | <i>310</i> | <i>175</i> | | | | | | | | | | |
| W.L.F.C. | <i>682</i> | <i>682</i> | | | | | | | | | | |
| pH | <i>9.5</i> | <i>9.5</i> | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REMARKS |
|-----------|--------------|-------------------|-------------------|-----------------------------|
| <i>29</i> | <i>8 3/4</i> | <i>4671145003</i> | <i>C</i> | <i>RE RUN TO CLEAN HOLE</i> |

| CORE | No. | No. | DST No. | DEPTH | REMARKS |
|----------|-----|-----|----------|----------------|---------------|
| TYPE | | | PREFLOW | <i>11 30</i> | <i>01</i> |
| FROM | | | 1ST | <i>11 1</i> | <i>15</i> |
| TO | | | V.O. | <i>272</i> | <i>6 1/2</i> |
| RECOVERY | | | FST | <i>102 1/2</i> | <i>90</i> |
| HOURS | | | RECOVERY | <i>55</i> | <i>13 1/2</i> |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|--------------------|----------------|
| DRILLER | <i>J Fedyk</i> | | |
| DERRICKMAN | <i>B Toole</i> | <i>J. Campbell</i> | |
| HELPER | <i>J. WACOMBE</i> | <i>B. Hale</i> | |
| HELPER | <i>PHIL POTTER</i> | <i>M. Campbell</i> | |
| HELPER | <i>B. MACKENZIE</i> | <i>B. JONES</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>C. K. Hunter</i> | | |

TOUR 1

TOUR 2

TOUR 3

TOUR 4

TOUR 5

TOUR 6

TOUR 7

TOUR 8

TOUR 9

TOUR 10

TOUR 11

TOUR 12

TOUR 13

TOUR 14

TOUR 15

TOUR 16

TOUR 17

TOUR 18

TOUR 19

TOUR 20

TOUR 21

TOUR 22

TOUR 23

TOUR 24

TOUR 25

TOUR 26

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TOUR 28

TOUR 29

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TOUR 31

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TOUR 35

TOUR 36

TOUR 37

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TOUR 40

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TOUR 60

TOUR 61

TOUR 62

TOUR 63

TOUR 64

TOUR 65

TOUR 66

TOUR 67

TOUR 68

TOUR 69

TOUR 70

TOUR 71

TOUR 72

TOUR 73

TOUR 74

TOUR 75

TOUR REPORT

CONTRACTOR *C-F*

WELL NO. *15*

FIELD *FARKIN* WELL NAME *WHITE FISH* UNIT *Y T* SEC *J 70 TWP*

[] DRILLING [] DEEPENING [] COMPLETING

[] REDRILLING [] ABANDONING [] REWORKING

CHACOBO

MUD and CHEM

Kind

19*73*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|--------------|--------------------------|----------------------|--------------------------|--------------|--------------------------|--|--|
| STANDS | D.P. | NO <i>68</i> | <i>643</i> <i>663</i> FT | NO <i>28</i> | <i>643</i> <i>663</i> FT | NO <i>68</i> | <i>642</i> <i>663</i> FT | | |
| SINGLE | D.P. | NO <i>1</i> | <i>3179</i> FT | NO <i>1</i> | <i>3179</i> FT | NO <i>1</i> | <i>3179</i> FT | | |
| X OVER SUB | O.D. | | FT | | FT | | FT | | |
| OTHER | O.D. | | FT | | FT | | FT | | |
| DRILL COLLARS | O.D. | <i>16</i> | <i>493</i> <i>52</i> FT | <i>16</i> | <i>493</i> <i>52</i> FT | <i>16</i> | <i>493</i> <i>52</i> FT | | |
| DRILL COLLARS | O.D. | NO | FT | NO | FT | NO | FT | | |
| REAMER | O.D. | KIND | FT | KIND | FT | KIND | FT | | |
| STABILIZER | O.D. | KIND | FT | KIND | FT | KIND | FT | | |
| JARS | O.D. | KIND | FT | KIND | FT | KIND | FT | | |
| BUMPER SUB | O.D. | KIND | FT | KIND | FT | KIND | FT | | |
| BIT OR CORE BARREL | O.D. | | FT | | FT | | FT | | |
| TOTAL D.P. & TOOLS | | | <i>696</i> <i>197</i> FT | | <i>696</i> <i>197</i> FT | | <i>696</i> <i>197</i> FT | | |
| KELLY DOWN (BELOW R.H.) | | | <i>1820</i> FT | | <i>1820</i> FT | | <i>1820</i> FT | | |
| DEPTH OF TOOLS | | | <i>6980</i> <i>14</i> FT | | <i>6980</i> <i>14</i> FT | | <i>6980</i> <i>14</i> FT | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|------------------|------------------|------------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | <i>6980</i> FEET | <i>6980</i> FEET | <i>6980</i> FEET |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | |
|--------------------|-------------------|-------------------|
| | 2:30 AM - 4:00 AM | 4:00 AM - 5:00 AM |
| PUMP | | |
| ROTARY SPEED | | |
| WEIGHT ON BIT | | |
| MUD WEIGHT | | |
| VISCOSITY | | |
| W.L.F.C. | | |
| pH | | |
| MUD LEVEL IN TANKS | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REMARKS |
|-----------|--------------|---------------|--------------------------|-----------------------------|
| <i>29</i> | <i>8 3/4</i> | <i>467114</i> | <i>SBV 5 NO SETS W/L</i> | <i>RE PUL TO CLEAN HOLE</i> |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY |
|------|-----|-----|---------|------|----|----------|
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|---------------------|----------------------|
| DRILLER | <i>T Fedyk</i> | | <i>John R. Ardor</i> |
| DERRICKMAN | <i>B Todd</i> | <i>PAT Lou GILW</i> | |
| HELPER | <i>J. W. COMBE</i> | | |
| HELPER | <i>PHIL POTTER</i> | <i>BRIAN Youre</i> | |
| HELPER | <i>B MACKENZIE</i> | | |
| FIREMAN | | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

CHROMSORE WHITEHILL 7T J 70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------|-----|---|
| Kind | Amount | | | |
| OUR 1 | | 1200 | 800 | Logging |
| OUR 2 | | 800 | 400 | Logging |
| OUR 3 | 400 | 400 | 730 | Logging LIFT DOWN LOGGING TOOLS SWIP + GET DRILL LINE RUN IN CORE ✓ HYDRIL HIT FILL AT 6928 |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Ran Murray-Catipso
Interval 6977-968
2" 45' Scales

Ran Side well Core Gun
23 shots - recovered 00

Shots at 6925, 6920, 6915, 6905, 6900, 6895, 6890
6885, 6880, 6875, 6870, 6865, 6860, 6855
6850, 6755, 6745, 6740, 6735, 6730

L. F. Gumbly
SIGNATURE COMPANY ENGINEER

TOOL REPORT

CONTRACT NO. *60*

DATE *10*

FIELD *101st Park* NAME *White Fish* Y/T *J 70*

DRILLING DEEPENING COMPLETING *April 9* 19 *53*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|-----|--|--|----------------------|--|--|--|-----------------------|--|--|--|
| STANDS | D.P. | NO. | | | NO. | | | | NO. | | | |
| SINGLE | D.P. | NO. | | | 1 | | | | 1 | | | |
| X OVER SUB | D.P. | | | | | | | | | | | |
| OTHER | D.P. | | | | | | | | | | | |
| DRILL COLLARS | D.P. | | | | | | | | | | | |
| DRILL COLLARS | D.P. | NO. | | | | | | | | | | |
| REAMER | D.P. | | | | | | | | | | | |
| STABILIZER | D.P. | | | | | | | | | | | |
| JARS | D.P. | | | | | | | | | | | |
| BUMPER SUB | D.P. | | | | | | | | | | | |
| BIT OR CORE BARREL | D.P. | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | |
| KELLY DOWN BEHIND BIT | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |
| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|--------|--------|--------|---------|----------|---------|--------|--------|--------|---------|----------|---------|
| | 2-4 AM | 4-6 AM | 6-8 AM | 8-10 AM | 10-12 AM | 12-2 PM | 2-4 PM | 4-6 PM | 6-8 PM | 8-10 PM | 10-12 PM | 12-2 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT RECORD | DATE | START | STOP | REMARKS |
|-----|-------|--------|------------|------|-------|------|---------|
| 29 | 2 3/4 | 467114 | SBV G | 3-14 | 5:14 | 6:56 | 6:58 |
| | | | | | | | 1980 |

| CORE NO. | NO. | TYPE | FROM | TO | RECOVERED | HOURS |
|----------|-----|------|------|----|-----------|-------|
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|---------------|--------------------|
| DRILLER | <i>[Signature]</i> | J FF DYK | <i>[Signature]</i> |
| DERRICKMAN | <i>[Signature]</i> | L TOOLE | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | J MURCOMBE | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | PHIL POTTER | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | B. MACKENZIE | <i>[Signature]</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

Chemical Kind

OK 1
OK 2
OK 3

Tool Record
Core Log
Stand
Board
SLM
Dept
Depth
Run B
Run Fe
Caliper
calipers
of dump
Run Du

Chevron White Fish wt - I70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|-------|-------|--|
| Kind | Amount | | | |
| TUR 1 | | 12:20 | 2:15 | Strap out Lay down Core Barrel Log up loggers Run Tally |
| | | 2:15 | 11:00 | |
| | | 4:00 | 4:30 | |
| | | 4:30 | 5:00 | |
| TUR 2 | | 8:00 | 4:00 | LOGGING |
| TUR 3 | | 11:00 | 12:00 | LOGGING |

CONTINUED ON REVERSE SIDE OF THIS SHEET FOR DETAILS INCLUDING ENGINEERING SUMMARIES

TRIP REST OF THE WAY OUT. LAY DOWN T.G. EASTLAND
CORE BARREL. LOG UP. LOGGER ATLAS.

STRAP OUT

Board Tally 7002.14 - Kelly Down

S.L.M. 7000.65

Diffⁿ 1.49 - NO CORRⁿ MADE

Depth Driller 6980

Depth Dresser/Atlas 6980

Ran BHC Acoustic log 6974-10 2" x 5" scales.

Ran Formation Density Caliper to TD - started logging
Calipers kept sticking at 6450 would have to close
calipers to get tool free - Pulled tool out of hole because
of danger of sticking tool.

Ran Dual Induction Focused log

Interval 6975-908 2" x 5" scales.

W. J. Gumbly
SIGNATURE COMPANY INC.

TOUR REPORT

FIELD 104A Parkinell CONTRACTOR Chevron White Fish 6 P 15
 DATE April 4 1973

[] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-----------------------|---------------------|----------------------|-----------------------|
| STANDS | NO 18 647883 | NO 68 643663 | NO 68 643163 |
| SINGLE | NO | NO 1 3179 | NO 1 3179 |
| X OVER SUB | | | |
| OTHER | | | |
| DRILL COLLARS | 16 O.D. 49352 | 49352 | 49352 |
| DRILL COLLARS | NO | | |
| REAMER | O.D. KIND | | |
| STABILIZER | O.D. KIND | | |
| JARS | KIND | | |
| BUMPER SUB | KIND | | |
| BIT OR CORE BARREL | | | |
| TOTAL O.P. & TOOLS | 69 3015 | 69 6104 | 69 6194 |
| KELLY DOWN BELOW R.B. | 30 220 | 18 20 | 18 20 |
| DEPTH OF TOOLS | 69 00 35 | 69 80 14 | 69 80 35 |
| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
| DEPTH END OF TOUR | 69 60 | 69 80 | 69 80 |
| DEPTH START OF TOUR | | 69 00 | 69 50 |
| FOOTAGE DRILLED | | 20 | 0 |

| DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|--------------------|--------------|---------|---------|---------|---------------|----------|---------|---------|----------------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | 56 900 | 56 900 | 56 1000 | C | TRIP CIR | | | |
| ROTARY SPEED | | | 70 | | 72 | 72 | 72 | 1 | | | | |
| WEIGHT ON BIT | | | | | 40 | 40 | 40 | R | | | | |
| MUD WEIGHT | | | 100 | | 100 | 99 | 99 | C | | | | |
| VISCOSITY | | | 1-5 | | 155 | 142 | 125 | 125 | 185 | 185 | | |
| WL F.C. | | | | | 3 | | | | 1/3/32 | | | |
| pH | | | | | 9.2 | | | | 9.2 | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND | AGE | TYPE | FT. DRILLED | TOUR |
|-----|-------|--------|----------|-----|------|-------------|--------------|
| 29 | 8 3/4 | BU 6 | 467 | 114 | 3-14 | 6960 | REAMER 4 hrs |
| 29 | | | | | | 54 | 6960 6980 20 |
| 29 | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|---------------|-------------------|
| DRILLER | C. WARSEN | J. FEDIK | K. R. [Signature] |
| DERRICKMAN | C. Wray | B. TOOLE | [Signature] |
| HELPER | F. J. [Signature] | G. DAUGHERTY | [Signature] |
| HELPER | J. K. [Signature] | PAUL POTTER | [Signature] |
| HELPER | J. Chailoux | J. MURCOMBE | [Signature] |
| FIREMAN | | | |
| TOOL PUSHER | [Signature] | | |

TUR 1
 312 12 #
 1. 13 20 15 4 #
 TUR 2
 356 15 0 #
 TUR 3

Trip 2
 6000
 1000
 1000
 1000

Chevron White Fish 4T-J70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|----------------|-------|-------|---|
| Kind | Amount | | | |
| 9 23 | | 12 00 | 12 15 | SER Rig Run in Lay down 8 Singles BREAK CIRC & Return. |
| 10 | | 12 15 | 2 15 | |
| 3 FT | CEL 12.0 # | 2 15 | 2 45 | |
| 9 FT | K. FERRIC 4 # | 2 45 | 8 00 | |
| FT | | | | |
| FT | | | | |
| 2 FT | | | | |
| FT | | | | |
| FT | TOUR 2 | 8 00 | 8 45 | BEAM TO BOTTOM |
| FT | CEL 15.0 # | 8 45 | 11 15 | DRILL |
| FT | DRILLING PLUGS | 11 15 | 12 05 | CLOSE HYDRAUL WELD ON SHAKER |
| FT | | 12 05 | 3 00 | DRILL |
| FT | | 3 00 | 4 00 | CIRC UP BOTTOM HOLE SAMPLE |
| 4 | | | | |
| 6 FT | | | | |
| 5 FT | TOUR 3 | 4 00 | 4 45 | CIRC SAMPLE |
| FT | | 4 45 | 7 30 | PULL 20 STKS DUMMY TRIP |
| FT | | 7 30 | 10 00 | CIRC TO LOG |
| FT | | 10 00 | 10 30 | SURVEY + BLOW KELLY |
| FT | | 10 30 | 12 00 | PULL OUT TO LOG VERY SLOW |

CEMENTING, TESTING, TYPING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

TRIPPED IN WITH LIT # 20 AND REACHED HOLE FROM 6500 TO 6560 FEET. DRILLED HOLE TO 6550 FEET AND CIRC UP LOGGING AND CORR. HOLE. TRIP OUT 20 STAGS AND RUN BACK TO BOTTOM. CIRC FOR 2 HRS. MEASURE OUT OF THE HOLE.

James D. McDaniel
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G P** RIG NO **15**

FIELD **104-N PARRIN** WELL NAME **CHEVRON WHITE FISH Y T SEC 7C TSP**
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING MIDNIGHT **APRIL 2 1973**

CHEVRON
MUD and CHEMICALS
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|---------------------|------|---------------------|-----------|----------------------|-----------|-----------------------|-----------|
| STANDS | D.P. | NO 67 | 634178 FT | NO 67 | 634178 FT | NO 67 | 634178 FT |
| SINGLE | D.P. | NO 2 | 6833 FT | NO | 6333 FT | NO 2 | 6333 FT |
| X OVER SUB | O.D. | | | | | | |
| OTHER | O.D. | | | | | | |
| DRILL COLLARS | O.D. | 16 | 49352 FT | 16 | 49352 FT | | 49352 FT |
| DRILL COLLARS | O.D. | NO | | NO | | NO | |
| REAMER | O.D. | | | | | | |
| STABILIZER | O.D. | | | | | | |
| JARS | | | | | | | |
| BUMPER SUB | | | | | | | |
| BIT OR CORE BARREL | | | | | | | |
| TOTAL D.P. & TOOLS | | | 689863 | | 689863 | | 689863 |
| KELLY DOWN-BELOW RB | | | 1620 | | 13520 | | 1820 |
| DEPTH OF TOOLS | | | 691483 | | 692683 | | 692683 |
| TOUR | | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | | 6914 FEET | | 6926 FEET | | 6926 FEET |
| DEPTH START OF TOUR | | | 6873 FEET | | 6914 FEET | | 6926 FEET |
| FOOTAGE DRILLED | | | 41 FEET | | .2 FEET | | 0 FEET |

TOUR 1
TOUR 2
GEL 1200^M
RAPIDRIL 20
CARBONIC
TOUR 3
CARBONIC
WATER

| | SPR. P.M. | HOURS | | | | |
|--------------------|-----------|---------|---------|---------|---------|---------|
| | | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM |
| PUMP | | 58 900 | 55 900 | 58 900 | 900 | 58 900 |
| ROTARY SPEED | R.P.M. | 47 | 47 | 47 | 47 | 55 |
| WEIGHT ON BIT | M.LBS. | 40 | 40 | 40 | 20 | 40 |
| MUD WEIGHT | LB/GAL | 9.9 | 9.9 | 9.9 | 9.9 | 10.0 |
| VISCOSITY | CP | 95 | 88 | 90 | 90 | 85 |
| W.L.F.C. | CC/32oz | | 7.6 | | | 7.2 |
| pH | | | 9 | | | 8.5 |
| MUD LEVEL IN TANKS | FT. TOR. | | | | | 7.7 |

TRIP
DRILLED
HEAVY
CRACKED
LOW
LAST
LAST

| NO. | SIZE | SERIAL | BIT NO. | DATE | FROM | TO | TOTAL TOOLS | |
|-----|-------|--------|-------------|------|--------|------|-------------|-------|
| 26 | 8 3/4 | 788738 | FPMJ-3 REED | 3-14 | 6812 | 6914 | 102 | |
| | | | | | 27 1/2 | 6912 | 6926 | 114 |
| 47 | 8 3/4 | 692741 | SBUG REED | 3-14 | REAM | 6916 | 6926 | 5 1/2 |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | J FEDYK | J FEDYK | J Kettleby |
| DERRICKMAN | G WAIGHT | B TOLLE | B TOLLE |
| HELPER | F JACSON | B DUSMARTY | B TOLLE |
| HELPER | J CHALIFOUX | PHIL POTTER | |
| HELPER | J KNORR | J NUMRUMBE | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

CHEVRON - SOBC - WHITE - FISH - YT - J 70

OTHER HOURLY OPERATING DETAIL
WORK DONE

1973
DUR
8 FT
5 FT
FT
FT
2 FT
FT
FT
3 FT
20 FT
33 FT
FEET
FEET
FEET
HOURS
P.M.

| MUD and CHEMICALS ADDED | | From | To | |
|-------------------------|--------|-------|-------|----------------------------------|
| Kind | Amount | | | |
| TOUR 1 | | 12 00 | 12 15 | SURVEY |
| | | 12 15 | 12 30 | RIG SER + CHECK 13 01 |
| | | 12 30 | 3 15 | DRILL |
| | | 3 15 | 3 45 | REPAIR ROTARY CHAIN |
| | | 3 45 | 8 00 | DRILL |
| TOUR 2 | | 8 00 | 11 15 | DRILL |
| GEL 1200* | | 11 15 | 12 30 | CIR & MIX MUD TRIP |
| RAPIDRI 2 BAGS | | 12 30 | 12 45 | DRILL |
| CHAUSTIC 50* | | 12 45 | 3 30 | TRIP OUT |
| | | 3 30 | 4 00 | CHANGE BITES TAKE OUT SURVEY |
| | | 4 00 | 4 15 | |
| TOUR 3 | | 4 00 | 4 15 | RIG SER + CHECK BLIND RAMS |
| CHAUSTIC 100 LBS | | 4 15 | 6 30 | RUN IN HOLE TO 6917 HIT BRIDGE |
| WATER 1/2" | | 6 30 | 12 00 | PULL IN KELLY REAM OUT BRIDGE |
| | | | | RUN TO 6890 CLEAN TO 6916 |
| | | | | REAM FROM 6900 TO 6926 |
| | | | | USING 3000 WT TORQUEING VERY BAD |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DRILLED AHEAD WITH BIT # 26 TO 6926. BIT TORQUE VERY HIGH. TRIPPED OUT BIT # 26. ENTIONS ON ALL CONES BADLY BROKEN. BIT 1/4 UNDERGANGE. SURVEY @ 6900 - 3".
 RAN IN WITH BIT # 27. REAM SUBV-J. REMOVED LAST 20 FEET TO BOTTOM WITH JUDGE ON BIT.
 LAST 10 FEET OF THIS UNDER GANGE HOLE

Handwritten Signature
SIGNATURE COMPANY ENGINEER

REPORT

CONTRACTOR **E P**

RIG NO **15**

102 N PARKINELL NAME **CHERRY WHITE ROAD YT** SEC **J70** TWP

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 23:59 NIGHT **APRIL 1 1973**

CHEMURON
MUD and CHEMICALS
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|----------------------|---------|---------------------|---------|---------------|----------------------|----------------|----|-----------------------|---------|----|
| STANDS | D.P. | NO 66 | 62472.6 | FT | NO 67 | 48473.8 | FT | NO 67 | 62413.8 | FT |
| SINGLE | D.P. | NO 2 | 6290 | FT | | | FT | | | FT |
| X OVER SUB | O.D. | | | FT | | | FT | | | FT |
| OTHER | O.D. | | | FT | | | FT | | | FT |
| DRILL COLLARS | 16 O.D. | | 4935.2 | FT | | 4935.2 | FT | | 4935.2 | FT |
| DRILL COLLARS | O.D. | NO | | FT | NO | | FT | NO | | FT |
| BEAMER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT |
| STABILIZER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT |
| JARS | | KIND | | FT | KIND | | FT | KIND | | FT |
| BUMPER SUB | | KIND | | FT | KIND | | FT | KIND | | FT |
| BIT OR CORE BARREL | | | | FT | | | FT | | | FT |
| TOTAL D.P. & TOOLS | | | 6803.68 | FT | | 6825.20 | FT | | 6825.20 | FT |
| KELLY DOWN BEL. WORK | | | 1820 | FT | | 2230 | FT | | 3820 | FT |
| DEPTH OF TOOLS | | | 6821.88 | FT | | 6857.50 | FT | | 6873.50 | FT |
| TOUR | | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | | | | |
| DEPTH END OF TOUR | | 6821 | FT | 6857 | FT | 6873 | FT | | | |
| DEPTH START OF TOUR | | 6812 | FT | 6821 | FT | 6857 | FT | | | |
| FOOTAGE DRILLED | | 9 | FT | 36 | FT | 16 | FT | | | |

TOUR 1
1-19-2
DEL 1200/25
1-20-2
1-21-3
O.K. SEC
RAPID RISE
WATER 1/2

| DAY WORK | HOUR | | | | | | | |
|--------------------|-------|------|------|------|------|--------|--------|--------|
| | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM |
| PUMP | 58 | 58 | 58 | 58 | 57 | 58 | 58 | 58 |
| ROTARY SPEED | 90 | 90 | 90 | 90 | 95 | 90 | 90 | 90 |
| WEIGHT ON BIT | 45 | 40 | 45 | 45 | 45 | 45 | 45 | 45 |
| MUD WEIGHT | 99 | 35 | 35 | 35 | 40 | 40 | 40 | 40 |
| VISCOSITY | 101 | 101 | 10.0 | 99 | 99 | 99 | 99 | 99 |
| W.L.F.C. | 120 | 120 | 99 | 92 | 90 | 75 | 75 | 75 |
| pH | | | | 7.6 | | 7.2/32 | 7.2/32 | 7.2/32 |
| MUD LEVEL IN TANKS | | | | 9.0 | | 9 | 9 | 9 |

Denovo

| NO | SIZE | SERIAL | BIT NO | TYPE | FROM | TO | RECOVERY |
|----|-------|--------|--------|------|------|-----------------|----------|
| 26 | 8 3/4 | 788738 | FCMS | REED | 3-14 | 1 3/4 6812 6821 | 0 |
| 26 | 8 3/4 | 788738 | FCMS | REED | 3-14 | 9 1/2 6812 6857 | 45 |
| | | | | | | 6857 6873 | 61 |

| CORE | No | No | DRILL NO | FROM | TO | RECOVERY |
|----------|----|----|----------|------|----|----------|
| TYPE | | | PRELIM | | | |
| FROM | | | | | | |
| TO | | | | | | |
| RECOVERY | | | | | | |
| HOURS | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | CLARSEN | J FEDYK | J. P. FUDGE |
| DERRICKMAN | R WRIGHT | B TOOLE | J. P. FUDGE |
| HELPER | F TUDSON | E DOUGHERTY | B. F. JONES |
| HELPER | J KNORR | PHIL POTTER | Totoo 6873.3 |
| HELPER | J CHARIFOUX | J NUNCOMBE | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

CHEUMON 503 C W M WHITEFISH YT 570

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To | WORK DONE |
|-------------------------|---------------------|-------|-------|--------------------------|
| Kind | Amount | | | |
| TOUR 1 | | 12:00 | 12:15 | RIG SER & BOPS |
| | | 12:15 | 1:30 | RUN IN DR |
| | | 1:00 | 3:00 | SLIP & CUT DRILLING LINE |
| | | 3:00 | 5:30 | RUN IN BIT #26 |
| | | 5:30 | 6:15 | CLEAN TO BOTTOM 40' |
| | | 6:15 | 8:00 | DRILL |
| TOUR 2 | | 8:00 | 8:15 | RIG SER & BOPS |
| | GEL 1200 LBS | 8:15 | 4:00 | DRILL |
| | RAPIDRIL - 2 bags | | | |
| TOUR 3 | | 4:20 | 4:55 | RIG SER & CHECK 150' |
| | GEL 700 LBS | 4:15 | 11:45 | DRILL |
| | RAPIDRIL 2 1/2 BAGS | 11:45 | 12:00 | SURVEY |
| | WATER 1/2" | | | |

EXHIBIT DETAIL (SEE GENERAL EXHIBIT FOR DETAILS INCLUDING ENGINEERING SUMMARIES)

DRILLED AHEAD WITH BIT #26 FROM 6812 TO 6873

Handwritten Signature
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **B.G.P.**

RIG NO. **10**

FIELD _____ WELL NAME _____ FSD _____ SEC _____ TWP _____ R# _____ W _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING **MARCH 31 1973**

Chickson
MUD and CHEM Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|------|---------------------|--|--|--|----------------------|---|--|--|-----------------------|---|--|--|
| STANDS | D.P. | NO | | | | NO | | | | NO | | | |
| SINGLE | D.P. | NO | | | | NO | 1 | | | NO | 1 | | |
| X OVER SUB | O.D. | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | | | | | 16 | | | | | | | |
| DRILL COLLARS | O.D. | NO | | | | NO | | | | NO | | | |
| REAMER | O.D. | KIND | | | | | | | | | | | |
| STABILIZER | O.D. | KIND | | | | | | | | | | | |
| JARS | | KIND | | | | | | | | | | | |
| BUMPER SUB | | KIND | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | |

TOUR 1
 624726
 3174
 49352
 624726
 3174
 49352

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | 6812 |
| DEPTH START OF TOUR | | 6812 | 6812 |
| FOOTAGE DRILLED | | | 0 |

TOUR 2
 Kind
 DST

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM | 10:00 AM | 11:30 AM | 1:00 PM | 2:30 PM | 4:00 PM | 5:30 PM | 7:00 PM |
| PUMP | / | | | | | | | | | | | |
| ROTARY SPEED | / | | | | | | | | | | | |
| WEIGHT ON BIT | / | | | | | | | | | | | |
| MUD WEIGHT | / | | | | | | | | | | | |
| VISCOSITY | / | | | | | | | | | | | |
| W.L.F.C. | / | | | | | | | | | | | |
| pH | / | | | | | | | | | | | |
| MUD LEVEL IN TANKS | / | | | | | | | | | | | |

MIXED
 TAIL
 AND
 TABLE

| NO. | SIZE | SERIAL | BIT KIND AND TYP. | RET. WORN | REMARKS |
|----------|-------|----------|----------------------------|-----------|--------------|
| 26 | 8 3/4 | 788738 | FOMJ | RIEED | 3-14 6812 |
| CORE No | No | DST No | 1 | FROM | 6158 TO 6812 |
| TYPE | | PREFLOW | 5 min | EST | 5585 |
| FROM | | EST | 60 min | EST | 5565 |
| TO | | VO | 60 min | EST | 5243 |
| Recovery | | EST | 120 min | EST | 5195 |
| HOURS | | RECOVERY | 250' mud 45% mud cut water | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|---------------------|--------------------|
| DRILLER | <i>Chapson</i> | <i>J Fedyk</i> | <i>[Signature]</i> |
| DERRICKMAN | <i>G. Wright</i> | <i>B. Toole</i> | <i>[Signature]</i> |
| HELPER | <i>F. Judson</i> | <i>B. Dougherty</i> | <i>[Signature]</i> |
| HELPER | <i>J. Knorr</i> | <i>Phil Potter</i> | <i>[Signature]</i> |
| HELPER | <i>J. Chalifoux</i> | <i>J. Nurcombe</i> | <i>[Signature]</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

PUM
 1ST
 X O
 M.F.
 BT K
 JAE
 S S
 KAC
 PAC
 STU
 PER
 K
 K
 X O
 1-7
 X O
 PER
 BUC

Cherryman SABC W.M. White Fish JT-T-70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|--|--------------------|-------|-------|---|
| 973 | Kind | | | Circle 1 Max Mud |
| JR | Amount | 12:00 | 1:00 | Dummy trip 7 stands |
| 6 FT | TOUR 1 | 1:00 | 2:00 | work on Air lines |
| 4 FT | 3.5# | 2:00 | 2:30 | Blow Kelly & Survey |
| FT | Kelly 1 | 2:30 | 3:00 | pull out 2' down |
| FT | | 3:00 | 6:30 | Rig up tester |
| 2 FT | | 6:30 | 8:00 | Tested Blind Rams & Hydil Pipe Rams & Motor Shutoffs |
| FT | TOUR 2 | | | |
| FT | | 8:00 | 8:15 | RIG SER & BOPS MOTOR SHUT OFFS |
| FT | | 8:15 | 10:00 | MAKE UP PACKER #1 |
| FT | | 10:00 | 12:15 | RUN IN PACKER |
| FT | | 12:15 | 4:00 | HEAD UP & TEST |
| Ray Sours checked OK before test. <i>Ray Sours</i> | | | | |
| FT | TOUR 3 | 4:00 | 5:15 | PACK SHUT IN |
| FT | DST | 5:15 | 4:00 | PULL PACKER HOOSE BREAK OFF HEAD |
| FT | | 4:00 | 11:30 | PULL OUT OF HOLE W/ DST # 1 |
| FT | | 11:30 | 12:00 | LAY DOWN TEST TOOL T 1 DC CLEAN DOWN FLOOR MAKE UP BIT RUN IN 2 STDS OF DC |

CONTINUED DETAIL FOR OPERATIONAL DETAILS, INCLUDING ENGINEERING SUMMARIES

MIXED MUD AND RAISED VIB. MADE A 7 STAND DUMMY TRIP. NO TIGHT SHOTS, NO FILL UP BOTTOM, UNPACK SURVEY AND TRIPPED OUT SLOW, NO TIGHT SHOTS ON TRIP OUT. TABLE UP TEST TOOK FOR TEST #1. CHECKED RIO VALVES, PIPE RIMS AND H TOOLS. OK. INTERVAL BELOW PACKER IS 72.70 FT. DST #1 (6738-6812) LUAL BOTTOM HOLE.

| | | | | |
|---------------|---------------|--|-------|----|
| PUMP OUT | 5/8" x .50 | JOHNSON (ELEC. RAN JOHNSON TELLER. W-T | | |
| 1 STAND T/D/C | | W 9 1/2" FIT B.P. VALVE OPENED AT 12:00 PM | | |
| X OVER | 3/4" x .50 | FOR 5 MIN. PRE FLOW SHUT IN AT 1:04 PM SO | | |
| MFE | 5" x 9.10 | 60 MIN. MINIMUM U.O. AT 2:00 PM FOR 60 | | |
| WYKAL | 5" x 3.00 | MIN AND SHUT IN FOR 1 HOUR PRESSURE DROPS | | |
| JALS | 4 1/8" x 6.50 | 117.5 LB PER HOUR. BLEND FOR BLEND ON V.S. BECOM | | |
| S JOINT | 4 1/8" x 1.90 | STABLE. NO GT. OR DT. RECEIVED 2:50 AT | | |
| PACKERESS | 7 1/4" x 9.50 | WORKING WITH 9:50 FEET TANG CUT | | |
| PACKER | 7 1/4" x 5.50 | WATER @ 2.500 GPM. WT OF 8.4# 1/2 | | |
| STUB | 5" x 1.00 | | | |
| PERFS | 5" x 18.00 | | | |
| K RECORDER | 5" x - | #2564 | #2587 | |
| R RECORDER | 5" x 11.00 | 1 HP 3544 | 3585 | PM |
| XO SUL | 6 1/2" x .85 | FFR 2504 | 3562 | " |
| 1-7" D/C | 7" x 30.55 | 1-HP 2465 | 3245 | " |
| XO SUL | 6 1/2" x .80 | FFR 160 | 271 | " |
| PERFS | 5" x 10.00 | FFR 430 | 350 | " |
| Bull Nose | 5" x 1.50 | F-1 3105 | 3143 | " |
| | | BIT - 152" F | | |

Signature
SIGNATURE COMPANY, INC. (11)

| STANDS | DP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
|---------------------------|---------------|--------|-------------------|--------------------|-------------|------|------|------|---------------|----|----|----|----|----|----|
| SINGLE | DP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| X-OVER SUB | OD | | | | | | | | | | | | | | |
| OTHER | OD | | | | | | | | | | | | | | |
| DRILL COLLARS | OD | | | | | | | | | | | | | | |
| REAMER | OD | | | | | | | | | | | | | | |
| STABILIZER | J.D. | | | | | | | | | | | | | | |
| JARS | KIND | | | | | | | | | | | | | | |
| BUMPER SUB | KIND | | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | | | |
| KELLY DOWN / BELOW R.B.I. | | | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | | | |
| TOUR | | | | | | | | | | | | | | | |
| DEPTH END OF TOUR | | | | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | | | | |
| DAY WORK | | | | | | | | | | | | | | | |
| PUMP | S.P.M. P.S.I. | | | | | | | | | | | | | | |
| ROTARY SPEED | R.P.M. | | | | | | | | | | | | | | |
| WEIGHT ON BIT | M.LBS. | | | | | | | | | | | | | | |
| MUD WEIGHT | LB/GAL | | | | | | | | | | | | | | |
| VISCOSITY | SEC/CM | | | | | | | | | | | | | | |
| W.L.F.C. | PER 100 FT | | | | | | | | | | | | | | |
| D.H. | | | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT. LBS. | | | | | | | | | | | | | | |
| NO. | SIZE | SERIAL | BIT KIND AND TYPE | JET SIZES (IN 1/2) | TOTAL HOURS | FROM | TO | FEET | BIT CONDITION | | | | | | |
| 1 | 1 1/2 | 186746 | 188 | 2 1/2 | 24 | 6749 | 6717 | 28 | RUN | | | | | | |
| 2 | 1 1/2 | 186746 | 188 | 2 1/2 | 24 | 6749 | 6717 | 28 | RUN | | | | | | |
| 3 | 1 1/2 | 186746 | 188 | 2 1/2 | 24 | 6749 | 6717 | 28 | RUN | | | | | | |

| TOUR 2 | TOUR 3 |
|--------|--------|
| 800 | 4:20 |
| 8:15 | 5:00 |
| 10:00 | 6:30 |
| 10:30 | 9:15 |
| | 11:00 |

TOUR 2
 800
 8:15
 10:00
 10:30

TOUR 3
 4:20
 5:00
 6:30
 9:15
 11:00

DRILLED AHEAD WITH
 ROTATING AT 45. BIT
 LEAK FROM 6760 TO
 DRILLED SLOW FROM 6771
 DRILLING BREAK AT 67
 DRILLED SLOW AGAIN FOR
 15 MINUT FROM 68
 STOPPED DRILLING AT
 TRIP IN OK. WIFE THE
 REMAIN R SWAGLES TO
 TO 125 -125 SEC/45.

CHEVRON SOB VVM WATERFALL YR J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|-------|-------|
| Kind | Amount | | |
| TOUR 1 | | 1:00 | 1:15 |
| WATER # | | 1:15 | 6:00 |
| TOUR 2 | | 8:00 | 8:15 |
| | | 8:15 | 10:00 |
| | | 10:00 | 10:30 |
| | | 10:30 | 4:00 |
| TOUR 3 | | 4:20 | 5:20 |
| Del 175AX | | 5:00 | 5:15 |
| RAPIDRIL 6 1/2 | | 5:15 | 6:30 |
| | | 6:30 | 9:15 |
| | | 9:15 | 11:00 |
| | | 11:00 | 12:00 |

Drill
ser Rig
Drill

Half strikes 34 - PSI 625

Rig SER. BOPS
Drill
SURVEY 6770 2 3/4
Drill

Drill
Rig SERVICE
CIR FOR DST
DUMMY TRIP 20 STES WORK
PIPE IN TIGHT PLACES
REAM 60 FEET TO BOTTOM
CIR MIX GEL WORK PIPE

CONTINUED DETAIL FROM PREVIOUS REPORTS INCLUDING ENGINEERING SUMMARIES

DRILLED AHEAD WITH BIT # 25. CARTRIDGE 40,000 LB. ON BIT
ROTATING AT 48. BIT DRILLED AT 25-30 mins/ft. DRILLING
BREAK FROM 6760 TO 6777. 10-15 mins/ft.
DRILLED SLOW FROM 6777 - 6782,
DRILLING BREAK AT 6782 AT 5-10 mins/ft.
DRILLED SLOW AGAIN FROM 6800 TO 6804. RATE INCREASED TO
10 MIN/FEET FROM 6804 TO 6812,
STOPPED DRILLING AT 6812 AND CIRC HOLE FOR 1 1/2 HRS.
TRIPED OUT RC STANDS, PULLED STAND ON 2 15th STAND OUT.
TRIP IN OK. PIPE HUNG UP 2 STANDS OFF BOTTOM
REAM 2 SINGLES TO BOTTOM CIRC HOLE AND RAISE VIB.
TO 125 - 135 SEC/FT.

Handwritten Signature
CORPORATE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **WESTBURNE** NO. **15**

CHEURON
V.D. and CHEMICAL
Kind

FIELD _____ WELL NAME _____ LOCATION _____ TWP _____ R. _____ S. _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING LUGS OR HOLE ENDING OTHER **MAR 29 1973**

| DRILLING ASSEMBLY | | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-----------------------|------|---------------------|----------------------|-----------------------|
| STANDS | D.P. | NO 65 621566 FT | NO 65 621566 FT | NO 66 624726 FT |
| SINGLE | D.P. | NO 2 | NO 2 | |
| X OVER SUB | O.D. | | | |
| OTHER | O.D. | | | |
| DRELL COLLARS | O.D. | 16 49352 | 16 49352 | 16 49352 |
| DRELL COLLARS | O.D. | | | |
| REAMER | O.D. | | | |
| STABILIZER | O.D. | | | |
| JARS | KIND | | | |
| BUMPER SUB | | | | |
| BIT OR CORE BARREL | | | | |
| TOTAL D.P. & TOOLS | | 674938 | 674938 | 674078 |
| KELLY DOWN BELOW R.H. | | 1020 | 4020 | 1020 |
| DEPTH OF TOOLS | | 674938 | 938 | 675098 |
| TOUR | | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
| DEPTH END OF TOUR | | 6749 | | 6750 |
| DEPTH START OF TOUR | | 6728 | | 6749 |
| FOOTAGE DRILLED | | 21 | | 1 |

| DAY WORK | 2-4 AM | 4-6 AM | 6-8 AM | 8-10 AM | 10-12 AM | 12-2 PM | 2-4 PM | 4-6 PM | 6-8 PM | 8-10 PM | 10-12 PM |
|---------------|--------|--------|--------|---------|----------|---------|--------|--------|--------|---------|----------|
| PUMP | 57 | 57 | 55 | 55 | | | | | | | 68 |
| ROTARY SPEED | 57 | 57 | 57 | 57 | | | | | | | 50 |
| WEIGHT ON BIT | 20 | 22 | 22 | 22 | | | | | | | 25 |
| MUD WEIGHT | 9.8 | 9.8 | 9.8 | 9.8 | | | | | | | 9.0 |
| VISCOSITY | 63 | 76 | 85 | 86 | | | | | | | 68 |
| W.L.F.C. | | 86 | 412 | | | | | | | | 83.5 |
| PH | | 8.5 | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT | NO. | DATE | TIME | TIME |
|-----|-------|--------|-------|-----|------|------|-----------------|
| 24 | 8 3/4 | 474685 | SBUGS | R | 3-15 | 135 | 672 6719 21 8 |
| 15 | 6 3/4 | 986106 | H 28 | | | | 6749 6750 1 1/2 |

| CORE NO. | NO. | DATE | TIME | TIME |
|----------|-----|------|------|------|
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|------------|--------------|---------------|----------------|
| DRILLER | E. SPAINNER | C. HANSON | J. FREDYK |
| DERRICKMAN | L. ARZLHOFF | G. WRIGHT | B. TUCKER |
| HELPER | T. HANCOCK | F. JUDSON | G. DODD PATY |
| HELPER | R. LANE | J. KNOX | P. H. POTTER |
| HELPER | A. VORER | J. C. HANCOCK | J. MARCOMBE |

AN _____
 VER _____
 CS _____

TOUR 1
 GEL-10SAX
 RAPID-250

DRILLER
 MUD
 CHECK
 PICKUP

BOARD
 STRAP
 DIF

TRIP ON
 C.F.
 REMOVED

HIGH T
 HEAVY

CHEVRON SOBQ WM WHITE FISH YT 570

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To | |
|-------------------------|--------|------|-----------------|-------------------------------|
| Kind | Amount | | | |
| TOUR 1 | | 1200 | 8 ⁰⁰ | DRILL |
| 6 FT GEL-10SAX | | | | |
| FT RAPID-2SAX | | | | |
| FT | | | | |
| FT | | | | |
| 2 FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| 8 FT | | | | |
| 0 FT | | | | |
| 8 FT | | | | |
| TOUR 2 | | 200 | 215 | SEE P. 4 |
| | | 215 | 200 | Blow Melt & Drop Surety |
| | | 200 | 100 | STRAP OUT of hole |
| | | 100 | 200 | Change Bits & WORK on TROTTLE |
| | | 200 | 400 | Running in |
| TOUR 3 | | 400 | 415 | RIG SEN - BOIPS |
| 6 FT GEL-17SAX | | 415 | 500 | RUN IN |
| FT RAPID-3SAX | | 500 | 1100 | REAM OUT BRIDGES 6270-6550 |
| FT | | 1100 | 1130 | RUN IN |
| FT | | 1130 | 1200 | DRILL |

58
1000
50
25
40
68

CONTINUED ON REVERSE SIDE OF DETAIL OR DETAILS INCLUDING ENGINEERING COMMENTS

DRILLED AHEAD WITH BIT #R4 TO 6749. BIT QUIT DIGGING. MEASURED OUT OF THE HOLE. HOLE DID NOT SWAG. CHECKED RIG SAVERS. OK. PICKED UP BIT #R5 8 1/4 H 38 W/ 1-19 & L-15 JET

BOARD 6749.38
STRAP 6748.66
DIFF .72 FEET. NO WORK MADE.

TRIP OUT TIGHT FIRST 4 STAND OFF BOTTOM AND 18[±] STAND OFF.
REAMED OUT BRIDGES ON TRIP IN FROM 6270-6550 FT.

30
3/4

HIGH TODAY +45°F
HEAVY SNOW.

Handwritten Signature
M. J. ...

TOUR REPORT

CONTRACTOR *G.P.*

FIG No. *15*

FIELD _____ WELL NAME _____ CRD _____ SEC _____ TWP _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

MARCH 28 1973

SHEARON
MUD and CHEM
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | |
|-------------------------|---------------------|------|------|------|----------------------|------|------|------|-----------------------|------|------|------|------|
| STANDS | D.P. | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET |
| SINGLE | D.P. | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET |
| X OVER SUB | O.D. | | FEET | | FEET | | FEET | | FEET | | FEET | | FEET |
| OTHER | O.D. | | FEET | | FEET | | FEET | | FEET | | FEET | | FEET |
| DRILL COLLARS | O.D. | | FEET | | FEET | | FEET | | FEET | | FEET | | FEET |
| DRILL COLLARS | O.D. | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET |
| REAMER | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET |
| STABILIZER | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET |
| JARS | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET |
| BUMPER SUB | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET | KIND | FEET |
| BIT OR CORE BARREL | O.D. | | FEET | | FEET | | FEET | | FEET | | FEET | | FEET |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | 6721 | 6728 |
| DEPTH START OF TOUR | | | 6721 |
| FOOTAGE DRILLED | | | 7 |

| DAY WORK | HOURS | | | | | | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|----|-----|----|-----|
| | 2:30 AM | 3:00 AM | 3:30 AM | 4:00 AM | 4:30 AM | 5:00 AM | 5:30 AM | 6:00 AM | 6:30 AM | 7:00 AM | 7:30 AM | 8:00 AM | | | | | |
| PUMP | | | | | | | | | | 70 | 1100 | 70 | 1100 | 57 | 750 | 57 | 750 |
| ROTARY SPEED | | | | | | | | | | 92 | 92 | 74 | 74 | | | | |
| WEIGHT ON BIT | | | | | | | | | | | 6 | 20 | 20 | | | | |
| MUD WEIGHT | | | | | | | | | | 9.8 | 9.8 | 9.8 | 9.9 | | | | |
| VISCOSITY | | | | | | | | | | 92 | 60 | 60 | 62 | | | | |
| W.L.F.C. | | | | | | | | | | | 8.6 | 72 | | | | | |
| pH | | | | | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT WORN | APPROX TYPE |
|-----|-------|--------|----------|-------------|
| 24 | 7 3/4 | 11472 | 2 BV | GT REED |

| NO. | NO. | DIST. NO. | PRE-FL. | PRE-FL. | PRE-FL. |
|----------|-----|-----------|---------|---------|---------|
| CORE | | | | | |
| TYPE | | | | | |
| FROM | | | | | |
| TO | | | | | |
| RECOVERY | | | | | |
| HOURS | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-----------------------|----------------------|---------------------|
| DRILLER | <i>G. SKINNER</i> | <i>C. JOHNSON</i> | <i>J. FEDYK</i> |
| DERRICKMAN | <i>L. LEPICHA</i> | <i>G. WRIGHT</i> | <i>B. TOOLE</i> |
| HELPER | <i>D. KRAMER</i> | <i>F. JUDSON</i> | <i>G. DOUGHERTY</i> |
| HELPER | <i>R. LEONARD</i> | <i>J. KNORR</i> | <i>PHIL POTTER</i> |
| HELPER | <i>A. JORJA</i> | <i>W. WAGG STAFF</i> | <i>J. MUMFORD</i> |
| FIREMAN | | <i>J. CHAFFIN</i> | |
| TOOL PUSHER | <i>OR [Signature]</i> | | |

TOOL INSTBL
 FLUB
 TO 19
 OPENED
 TO 12
 FOR
 TRIP
 40 ALL
 CLEAN
 LIT H
 5 6, 6
 DRILL
 ALCOHA

SHEVRON Subc W/M White Fishy T.I. 70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|-------|------------------|------------------|--|
| 973 | Kind | Amount | | |
| JR | TUR 1 | | | |
| 8 FT | | 12 ⁰⁰ | 5 ³⁰ | REMOVE ROTARY TABLE & INSTALL NEW HYDRIL TABLE |
| 8 FT | | 5 ³⁰ | | PICK UP CSG BOWL TEST & PRES TEST HYDRIL TO 1400 |
| FT | | 7 ⁰⁰ | 1 ⁰⁰ | FOR 25 MIN O.K. |
| FT | | 7 ⁰⁰ | 8 ⁰⁰ | PRES TEST MAIN FORD 1200 PSI FOR 10 MIN O.K. |
| 2 FT | | | | |
| FT | | | | |
| FT | TUR 2 | | | |
| FT | | 8 ⁰⁰ | 10 ³⁰ | Put on Flow Wipple & work on pump |
| FT | | 10 ³⁰ | 11 ³⁰ | Pick up Collar & Break Sub on collar |
| FT | | 11 ³⁰ | 12 ⁰⁰ | Blow Kelly |
| FT | | 12 ⁰⁰ | 2 ⁰⁰ | Run in & STRAP Pipe |
| FT | | 2 ⁰⁰ | 2 ³⁰ | Fill hole 25 strands off ID |
| 8 FT | | 2 ³⁰ | 3 ³⁰ | Finish Running in |
| 0 FT | | 3 ³⁰ | 4 ⁰⁰ | BREAK CIRC & REAM |
| 8 FT | TUR 3 | | | |
| FT | | 4 ⁰⁰ | 4 ¹⁵ | RIGSERU & BOPS |
| FT | | 4 ¹⁵ | 6 ³⁰ | CLEAN TO BOTTOM FROM 6631-6714 |
| FT | | 6 ³⁰ | 10 ¹⁵ | REAM RAT HOLE |
| FT | | 10 ¹⁵ | 12 ⁰⁰ | DRILL |

CONTINUED TESTING, TESTING SPECIAL FOR DETAILS, INCLUDING ENGINEERING SUMMARIES

57
750
74
20
9.9
62

TOLE OUT AND LAID DOWN HYDRIL. PICKED UP AND INSTALLED NEW HYDRIL, PICKED UP CHAIN BOWL TEST PLUG AND PRESSURE TESTED BOP STACK AND WIND VALVES TO 1400 PSI FOR 25 MINS. PRESSURE HELD. OPENED VALVES TO MANIFOLD AND PRESSURE TESTED MANIFOLD TO 1200 PSI. CHECKED MANIFOLD VALVES INDIVIDUALLY FOR 10 MIN EACH. HELD OK.

TRIPPED PIPE LOCK INTO HOLE. RECALLED IN. LOST ABOUT 90 LBS OF MUD ON TRIP IN.

CLEANED HOLE FROM 6605 FEET TO 6714'. TOP OF 6" I.D. RAT HOLE - REAM RAT HOLE FROM 6714' - 6721' WITH 5-6,000 LB ON THE BIT @ 74 RPM.

DRILLED AHEAD WITH CH #24 LUG WITH 20,000# @ 74 RPM,

3°

ALCOHOL RETURNS +5°F

AMBIENT -4°F


 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

GP

RIG NO.

15

CHEVRON

FIELD *PARKIN*

WELL NAME

DEP.

SECT.

TWP.

RMP.

W.

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR FLOORING OTHER

MARCH 27 1973

M.O. and CHEMIC

Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|------|---------------------|--|--|----|----------------------|--|--|----|-----------------------|--|--|----|
| STANDS | D.P. | NO | | | FT | NO | | | FT | NO | | | FT |
| SINGLE | D.P. | NO | | | FT | NO | | | FT | NO | | | FT |
| X OVER SUB | O.D. | | | | FT | | | | FT | | | | FT |
| OTHER | O.D. | | | | FT | | | | FT | | | | FT |
| DRILL COLLARS | O.D. | | | | FT | | | | FT | | | | FT |
| DRILL COLLARS | O.D. | NO | | | FT | NO | | | FT | NO | | | FT |
| REAMER | O.D. | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| STABILIZER | O.D. | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| JARS | | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| BUMPER SUB | | | | | FT | | | | FT | | | | FT |
| BIT OR CORE BARREL | | | | | FT | | | | FT | | | | FT |
| TOTAL D.P. & TOOLS | | | | | FT | | | | FT | | | | FT |
| KELLY DOWN BELOW R.B. | | | | | FT | | | | FT | | | | FT |
| DEPTH OF TOOLS | | | | | FT | | | | FT | | | | FT |

TOUR 1

TOUR 2

TOUR 3

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|-------------------|--|--|------|---------------|--|--|--|----------------|--|--|--|
| | DEPTH END OF TOUR | | | | FEET | | | | 6721 | | | |
| DEPTH START OF TOUR | | | | FEET | | | | | | | | |
| FOOTAGE DRILLED | | | | FEET | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | | |
|--------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| | 12:00 AM | 1:00 AM | 2:00 AM | 3:00 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM |
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | | 9.8 | 9.8 | | | 14 | 14 | 14 | 9.9 | 9.9 | 9.8 | | |
| VISCOSITY | | 76 | 74 | | | 75 | 75 | 70 | 70 | 64 | 60 | | |
| W.L.F.C. | | 72 | | | | | | | | | | | |
| pH | | 7.0 | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
|-------------|--------------------|----------------------|--------------------|----------------|--|--|----------------|-----------|--|
| | DRILLER | <i>G SKINNER</i> | <i>J WARREN</i> | <i>J FADYK</i> | | | | | |
| DERRICKMAN | <i>L. LEPTICH</i> | <i>B WRIGHT</i> | <i>BRIAN TOBLE</i> | | | | <i>6714</i> | <i>3°</i> | |
| HELPER | <i>D KRATCHMER</i> | <i>F Judson</i> | <i>B DAUGHERTY</i> | | | | | | |
| HELPER | <i>B Longhead</i> | <i>J K WARR</i> | <i>PHIL PATTER</i> | | | | | | |
| HELPER | <i>P. J. J. J.</i> | <i>J Chali, Foux</i> | <i>JIM WACUMBE</i> | | | | | | |
| FIREMAN | | <i>W. WAGSTAF</i> | | | | | | | |
| TOOL PUSHER | <i>W. W. W.</i> | | | | | | | | |

*CIRC
H. 7.04
TRIP
LEACH
HOLE
CLOSED*

*WHITE
TEMP AT
HOLE*

CHEVRON SOBC WM WHITE FISH Y T J 70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------------------------------------|-------------------------------------|--|
| Kind | Amount | | | |
| TOUR 1 | | 12 ⁰⁰ | 8 ⁰⁰ | CIR WAIT ON HYDRIL |
| TOUR 2 | | 8 ⁰⁰ | 4 ⁰⁰ | CIR & WAIT ON HYDRIL |
| TOUR 3 | | 4 ⁰⁰ 9 ¹⁰ | 9 ⁰⁰ 12 ⁰⁰ | CIR WAIT ON HYDRIL TAIPOUT TO CHANGE HYDRIL |

CEMENTING, SETTING, ETC. SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

CIRC HOLE AND CONC MUD. WAITING ON REPLACEMENT HYDRIL,

TRIPPED BIT OUT OF HOLE, AS REPLACEMENT HYDRIL HAS REACHED PARKING

HOLE TOOK EQUIVALENT AMOUNT OF MUD TO FILL.

CLOSED BLIND RAMS AND STARTED TO TEAR OUT HYDRIL.

WHITEHOLE ANNULED EGG LOGGING
 TEMP AT 100 FT +15° F GRADIENT TEMP 20°
 HOLE 450 F OR ABOVE ALLWAY RETURN 23°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD PARKIN WELL NAME _____ CONTRACTOR GP REG. NO. 15
 () DRILLING () DEEPENING () COMPLETING () REDRILLING () ABANDONING () REWORKING () FOR 24 HOUR ENGINEERING SERVICE
 DATE MARCH 26 1973

CHEM
 MED and CHEM
 Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | |
|---|---------------------|-----|-----|-----|----------------------|-----|-----|-----|-----------------------|-----|-----|-----|-----|
| STANDS <u>65</u> D.P. NO. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| SINGLE <u>2</u> D.P. NO. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| X-OVER SUB. O.D. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| OTHER DRILL COLLARS <u>11</u> O.D. <u>2 1/8</u> | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| DRILL COLLARS O.D. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| REAMER O.D. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| STABILIZER O.D. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| JARS _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| BUMPER SUB. _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| BIT OR CORE BARREL _____ | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| KELLY DOWN BELOW R.B. | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | |

LOG 1
GEL
RAPIDRILL

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|------------------|------------------|------------------|
| DEPTH END OF TOUR | <u>6721</u> FEET | <u>6721</u> FEET | <u>6721</u> FEET |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 PM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> | <u>54</u> |
| ROTARY SPEED | <u>550</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> | <u>575</u> |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | <u>9.7</u> | <u>9.7</u> | <u>9.9</u> | | | | | | | | | |
| VISCOSITY | <u>68</u> | <u>71</u> | <u>79</u> | | | | | | | | | |
| W.L.F.C. | | <u>9.0</u> | <u>9.2</u> | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT TYPE | WEIGHT |
|-----------|---------------|--------------|---------------|------------|
| <u>22</u> | <u>8 7/16</u> | <u>50901</u> | <u>HW UDR</u> | <u>218</u> |
| | | | | <u>114</u> |

| NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CORE | | | | | | | | | | | | |
| TYPE | | | | | | | | | | | | |
| FROM | | | | | | | | | | | | |
| TO | | | | | | | | | | | | |
| RECOVERY | | | | | | | | | | | | |
| HOURS | | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|---------------------|--------------------|
| DRILLER | <u>G SKINNER</u> | <u>C Hargen</u> | <u>J FEDYK</u> |
| DEBRICKMAN | <u>L. LEPTICH</u> | <u>G Wright</u> | <u>G TOOLE</u> |
| HELPER | <u>D KRATCHMER</u> | <u>Judson</u> | <u>G DAUGHERTY</u> |
| HELPER | <u>R. Lowmeyer</u> | <u>J Knorr</u> | <u>PHIL POTTER</u> |
| HELPER | <u>A Vetter</u> | <u>J. Chalifoux</u> | <u>J MURCUMBE</u> |
| FIREMAN | | | |
| TOOL PUSHER | <u>A. Hanken</u> | | |

TOUR REPORT

FIELD PARKIN WELL NAME Whitefish CONTRACTOR WESTBURN TWP 15
DATE MARCH 25 1973

CHEVRON
MUD and CHEMIC
Kind

Table with columns for END OF MORNING TOUR, END OF DAYLIGHT TOUR, and END OF AFTERNOON TOUR. Rows include STANDS, SINGLE, X OVER SUB, OTHER, DRILL COLLARS, BEAMER, STABILIZER, JARS, BUMPER SUB, BIT OR CORE BARREL, TOTAL DP & TOOLS, KELLY DOWN BELOW DR, DEPTH OF TOOLS, TOUR, DEPTH END OF TOUR, DEPTH START OF TOUR, FOOTAGE DRILLED.

Table with columns for DAY WORK. Rows include PUMP, ROTARY SPEED, WEIGHT ON BIT, MUD WEIGHT, VISCOSITY, W.F.C., pH, MUD LEVEL IN TANKS.

Table with columns for NO. and SIZE. Includes handwritten entry '23 7 3/4 WDK Hughs 2 15/16'.

Table with columns for CORE NO., TYPE, FROM, TO, RECOVERY, HOURS.

Table with columns for SIGNATURES, MORNING TOUR, DAYLIGHT TOUR, AFTERNOON TOUR. Lists names of DRILLER, DERRICKMAN, HELPER, FIREMAN, and TOOL PUSHER.

Handwritten notes on the right side of the page, including 'TOUR 1', 'TOUR 2', and 'TOUR 3'.

CHEVRON Soc 2 WIM White Fish Lt J. 70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To | WORK DONE |
|-------------------------|----------------|-------|-------|--------------------------------|
| Kind | Amount | | | |
| 9/13 | | 12:00 | 1:30 | WORK ON HYDRILL |
| UR | TUR 1 | 1:30 | 2:45 | PUT ON FLOW LINES & NIPPLE |
| 1 FT | | 2:45 | 3:30 | RUN IN O.C |
| FT | | 3:30 | | THAW OUT WATER LINES TO |
| FT | | | 4:30 | HYDROMATIC |
| FT | | 4:30 | 6:30 | RUN IN DR PIPE |
| 5 FT | | 6:30 | 8:00 | BRK CIR 286 OF BOTTOM |
| FT | | | | Mix Sawdust |
| FT | TUR 2 | 2:00 | | CIRC & MIX MUD - CIRCA 575 PSI |
| FT | 2 1/2" DIA | | | 46 STROKES, |
| FT | K 1/2" DIA | | 1:00 | WASH RIG |
| FT | STAINLESS TEST | | | |
| 3 FT | 1 1/2" DIA | | | |
| 9 FT | 1 1/2" DIA | | | |
| 1 FT | | | | |
| FT | TUR 3 | 4:00 | 12:00 | CIRC & MIX MUD |
| FT | 2 1/2" DIA | | | |
| FT | STAINLESS TEST | | | |

CONTINUED FROM PREVIOUS PAGE FOR DETAILS INCLUDING ENGINEERING SUMMARIES

COULD NOT BREAK OFF HYDRIL CAP. REINSTALLED FLOW NIPPLE AND RAN IN. TRIPPED IN TO 8 STANDS OFF BOTTOM WITH NO TROUBLE. STOPPED TRIPPING TO THAW OUT PIPE. MUD IN ANNULAR DROPPED. TRIPPED IN TO 6535 AND BRILE CIR. AT 44 STROKES AND 650 PSI. OBTAINING RETURNS AFTER LOSING APPROX 60 BBLs.

CIRC HOLE AND BUILD VOLUME. BUILD MUD TANK VOLUME TO 450 BBLs.

CIRC WHILE WAITING ON REPLACEMENT HYDRIL.

3°

Herold Mooney
SIGNATURE COMPANY ENGINEER

ALCOHOL RETURNS +19°F AMBIENT +10°F.

TOUR REPORT

FIELD *PARKIN* LOCATION *Westburn 18* DATE *MARCH 21* 19*75*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|--------------------|---------------------|------|----|----|----------------------|----|----|----|-----------------------|----|----|----|
| | DP | NO | FT | NO | FT | NO | FT | FT | NO | FT | NO | FT |
| STANDS | | | | | | | | | | | | |
| SINGLE | | | | | | | | | | | | |
| X-OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | NO | | | | | | | | | | |
| BEAMER | | KIND | | | | | | | | | | |
| STABILIZER | | KIND | | | | | | | | | | |
| JARS | | KIND | | | | | | | | | | |
| BUMP ROVER | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL DP & TOOLS | | | | | | | | | | | | |
| KELLY DOWN-BLOWER | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|----|----|----|---------------|----|----|----|----------------|----|----|----|
| | DP | NO | FT | NO | DP | NO | FT | NO | DP | NO | FT | NO |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|
| DAY WORK | | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | | |
|---------------|-------|--|--|--|--|--|--|--|--|--|--|--|
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | RPM | | | | | | | | | | | |
| WEIGHT ON BIT | AP | | | | | | | | | | | |
| MUD WEIGHT | LB/CC | | | | | | | | | | | |
| VISCOSITY | CP | | | | | | | | | | | |
| WLF C | SEC | | | | | | | | | | | |

| | | | | | | | | | | | | |
|--------------------|----|--|--|--|--|--|--|--|--|--|--|--|
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|-------------|--------------------|---------------------|---------------------|--------------------|------------------|--------------------|
| | DRILLER | DERRICKMAN | HELPER | HELPER | DRILLER | DERRICKMAN |
| DRILLER | <i>E. Skinner</i> | <i>L. Leptich</i> | <i>G. Dougherty</i> | <i>Phil Potter</i> | <i>J. Feedyk</i> | <i>R. Toole</i> |
| DERRICKMAN | <i>L. Leptich</i> | <i>G. Dougherty</i> | <i>Phil Potter</i> | <i>J. Feedyk</i> | <i>R. Toole</i> | <i>J. Macomber</i> |
| HELPER | <i>W. H. Anfer</i> | <i>J. Wilson</i> | <i>Phil Potter</i> | <i>J. Macomber</i> | | |
| HELPER | <i>R. L. ...</i> | <i>Wm ...</i> | | | | |
| HELPER | <i>J. ...</i> | | | | | |
| FIREMAN | | | | | | |
| TOOL PUSHER | <i>...</i> | | | | | |

CHEMICALS
MUD and CHEMICALS
Kind

TRIPROD
PWT
RECORD
LAD
SURTAN
TUBE
TO
H. MURIL

CHEVRON ~~White Fish~~ ~~W/M~~ White Fish Y.T. 170

MUD and CHEMICALS ADDED

Sobe ~~W/M~~ White Fish

OTHER HOURLY OPERATING DETAIL
WORK DONE

| 9/15 | Kind | Amount | | |
|------|--------|--------|-------|----------------------------|
| UR | TOUR 1 | 12:00 | 1:15 | PULL 10 STANDS |
| FT | | 1:15 | 1:45 | FILL HOLE |
| FT | | 1:45 | 5:30 | TRIP OUT SLOW |
| FT | | 5:30 | 6:30 | BRAK DOWN CORE BBL. |
| FT | | | | RECOVER 7 CORE |
| FT | | 6:30 | 6:45 | STAND CORE BBL IN DARRICK |
| FT | | 6:45 | 8:00 | WORK ON BOP. |
| FT | TOUR 2 | 8:00 | | TRY MORNING HDL COVER |
| FT | | | 4:00 | INSTALL NEW RUBBER |
| FT | TOUR 3 | 4:00 | 12:00 | TRY TO LOSSIN HYDRIL COVER |

COMPLETE THE LOG FROM 12:00 AM FOR DETAILS INCLUDING ENGINEERING COMMENTS

TRIPPED DRILL STRING OUT OF THE HOLE. NO PROBLEM ON TRIP
OUT. HOLE DID NOT SWAB.
RECOVERED CORE #1 (6714-6721) CUT 7 FT. RECOVERED 6.5 FT.
KICK DOWN JARS AND STOOD BACK LIKE BBL. FILLED HOLE TO
SURFACE, CLOSED LEAD RAMPS.
TOOK OUT FLOW NIPPLE AND TRIED TO BREAK OFF HYDRIL CAP
TO REPLACE RUBBER ELEMENT. COULD NOT SCREW OFF
HYDRIL CAP.

Robert M. ...
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD: PARKIN WELL NAME: White Fish OPERATOR: WESTBURN 15 DATE: MARCH 23 1973

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

| | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|------|---------------------|----|--------|--|----------------------|--|--|--|-----------------------|--|--|--|
| | | NO. 65 | | | | 616441 | | | | 6606141 | | | |
| STANDS | D.P. | NO | | | | NO | | | | | | | |
| SINGLE | D.P. | NO | | | | | | | | | | | |
| X OVER SUB | D.D. | | | | | | | | | | | | |
| OTHER | D.D. | | | | | | | | | | | | |
| DRILL COLLARS | D.D. | 7 | 15 | 46335 | | 46335 | | | | 46335 | | | |
| DRILL COLLARS | D.D. | NO | | | | | | | | | | | |
| RAMMER | D.D. | | | | | | | | | | | | |
| STABILIZER | D.D. | | | | | | | | | | | | |
| JAR | D.D. | | | | | | | | | | | | |
| BUMPER SUB | D.D. | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | 7283 | | 7283 | | | | 7283 | | | |
| TOTAL D.P. & TOOLS | | | | 670059 | | 670059 | | | | 670059 | | | |
| KELLY DOWN BETWEEN | | | | 2041 | | 2041 | | | | 2041 | | | |
| DEPTH OF TOURS | | | | | | | | | | | | | |
| TOUR | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | 6721 | | 6721 | | | | 1721 | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | | |

| DAY WORK | PUMP | | | | | | | | | | | | |
|---------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | |
| PUMP | 800 | 815 | 800 | 500 | 775 | 725 | 725 | 725 | 725 | 650 | 850 | 850 | 900 |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | 9.4 | 9.4 | 9.6 | | 9.6 | 9.6 | 9.6 | 9.7 | 9.8 | 9.8 | 9.7 | 9.9 | |
| VISCOSITY | 78 | 69 | 61 | | 55 | 62 | 61 | 70 | 74 | 75 | 72 | | |
| W.L.F.C. | | | | | | | | | 3.9 | 3.2 | | | |

MUD LEVEL IN TANKS: _____

| NO. | SIZE | SEALOFF | REMARKS |
|-----|-------------|---------|---------|
| 15 | 6" 8" 72406 | | Diamond |

CORE NO. _____
 TYPE _____
 FROM _____
 TO _____
 PROGRESS _____
 HOURS _____

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-----------------|--------------|---------------|----------------|
| DRILLER | E. V. KNEG | E. HANSEN | J. FEDYK |
| DEBRICKMAN | L. LEPTICH | E. WRIGHT | B. TOULK |
| HELPER | D. KRATCHMER | F. JUDSON | F. JUDSON |
| HELPER | K. LONGHEAD | Wm. WAGNER | PHIL POTTER |
| HELPER | R. PETER | | J. NUACOMBE |
| FIREMAN | | | |
| TOUR SUPERVISOR | A. Hombus | | |

HA VRO.
 MUD CHEMICAL
 Kind
 Wt MATERIAL
 75-202
 I WEIGHT MATERIAL
 69L SEC#
 RAYONOL 2#
 JUSTICE SEC#
 WT MATERIAL
 CIRC. T
 850 M
 CIRC.
 MIXED
 CALING
 CIRC. S
 28K WT
 PIPE W/ 700 #1
 TO 9.3
 AT 42
 STAKE
 WELL N
 STUCK U
 5.74 US
 TO TR
 P
 MIXED

CHAVRON Subc W/M White Fish VT J 70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | From | To |
|------------------------------|------|----|
| 19 73 KIND AMOUNT | 1200 | |
| 11 WGT MATERIAL 75-200 | | |
| 800 | | |
| 400 | 700 | |
| 700 | 730 | |
| 730 | 1200 | |
| WT MATERIAL 13400 | | |

Circ Through Choke 100 PSI
Pump PSI SEE STAK 24
Mix Weight Material
Open Choke Cir at 500 PSI
Choke at 100 PSI.

Circ Through Choke 10 PSI
Pump Vol Stand Pipe 725 PSI
Mix weight Material
Open Hdg & Move Pipe
& ROTAT.
Circ hole Through Flow Nipple AT
34 Stokes

CIRC MIX WT MATERIAL
PULL 5 STDS
CIRC & MIX WT MATERIAL

99
CIRC THROUGH CHOKE (CHOKE PRESS 100-200 PSI) PUMP PRESS
850 PSI. STARTED MIXING WT MATERIAL AT 2 1/2 MIN / LACK.
CIRC WITH 15 PSI IN THE CHOKES AND 100 PSI IN THE
STANDPIPE, AFTER MIXING 80 SAK WT MATERIAL.
MIXED ANOTHER 80 SAK WT MATERIAL. PUMP WT 9.7 #/gal
CALING PRESSURE 40-50 PSI DRILLPIPE PRESS. 725 PSI. WHILE
CIRC. STILL FLOWING WHILE PUMP WAS DOWN. MIXED 50 SAK
WT MATERIAL. OPENED H/DRIAL AND MOVED THE DRILL STRING.
PIST WAS FREE. CIRC HOLE THROUGH FLOW NIPLLE AT 34 STAKES,
700 PSI AND CONTINUE TO MIX WT MATERIAL. BROUGHT MIX WT
TO 9.8 lb./gal. SHUT DOWN PUMP. NO FLOW BACK. STARTED CIRC HOLE
AT 42 STAKES AND 1050 PSI. FLOW RETURNS, INCREASED CIRC TO 53
STAKES @ 1200 PSI. FLOW RETURNS. CIRC FOR 1/2 HR. SHUT DOWN PUMP
WELL NOT FLOWING. TRIPPED OUT 5 STANDS, LOWER CIRC HOLE
STARTED MIXING WT MATERIAL. HOLD FOR 9.09 WTS TO FULL CALCULATED
9.74 WTS TO FALL. CIRC HOLE AND RAISE MIX WT TO 9.9 #/gal
TO TRIP OUT.

Pump Press 575 at 34 STAKS

MIXED A TOTAL OF 320 SAK WT MATERIAL.

Handwritten Signature

CHEVRON SOBC W/M WHITEFISH IT J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| Kind | Amount | From | To |
|---|-----------------|-------|-------|
| | | 12:00 | 1:00 |
| 1.00 GEL RAPIDRIL | 11 SAK 4 lbs | 1:00 | 8:00 |
| 2.00 GEL 1500 RAPIDRIL CMC | 3 LBS 50 | 8:00 | 4:00 |
| 3.00 GEL 2 # CMC 50 # CRUSTIC 50 # | | 4:00 | 12:00 |

COREING
LOST CIR T WELL STARTED
TO FLOW close HYDRILL
CIR THROUGH MANIFOLD

CIR THROUGH CHOKE Hold
AT 75 PSI
Pump NO. 1 700 LBS
34 STORKS

CIR through Choke
Pump NO. 1 250 PRESS
MIX SAW JUST

MINUTE TO LOG DETAIL (SEE DETAIL) INCLUDING ENGINEERING (UMMARY)

CORED FROM 6714' TO 6721'. LOST CIR. LOST ESTIMATED
150 BBLs. SHUT DOWN PUMP. WELL STARTED TO FLOW BACK,
SHUT HYDRIL FROM FLOOR. LHM NOT CLOSE IMMEDI. SHUT PIPE
RAMS. HYDRIL CLOSED. OPENED PIPE RAMS. HAD #200 PSI ON
STANDPIPE FROM TIME PUMP SHUT DOWN, EVEN BEFORE IT SKIL
CLOSED. BACKFLOW LOGS NOT INDICATE 200 PSI. CIR. PSI 20
STARTED CIRC. HERE THROUGH CHOKE AND MANIFOLD. HOLD 100 PSI
ON LHM AND 500 ON L.P. CIR. FOR 140 MIN. HLMN STARTED
TO LEAK. SHUT PIPE RAMS AND KIP UP LHM FROM 216 BOWL OUTLET
TO MANIFOLD USING JOINTION FILTER (CMC SHAM). PUMPED THROUGH BOWL
AND CHOKE. STARTED USING VOLUME (LESS THAN 10 BBL). JOINTION SHAM
WAS DROVE UP. TRAP HADEN HOLD UP. STARTED CIR. THROUGH SPBL
AND MANIFOLD. COULD NOT HOLD MORE THAN 100 PSI BACK PRESSURE ON CIR.
WE STARTED TO LOG CIRCULATION. STAND PIPE AT 100 PSI. CIR. THROUGH
MANIFOLD.

INSTALLED NEW PRESS GAUGES. SHUT WELL IN.
CIR. PRESS 160 PSI L.P. PRESS 50 PSI
CIR. THROUGH CHOKE HOLDING 160-250 PSI BACK PRESSURE. PUMPING
PRESS AT 850 PSI. CIRCULATE BOTTOMS UP. NO FLUID INVASION
APPARENT. MUD CHECKS INDICATE NO FERRITATING FLUID INVASION.
CONTINUED TO CIRCULATE THROUGH CHOKE. HELD 15 CMA THROUGH.
WAITING FOR LT MATERIAL.

Handwritten Signature

TOUR REPORT

FIELD IONA PARKIN WELL NAME WHITE FISH

CONTRACTOR GM NO. 15
YT DEEP. 570

WELL NO. 15

CHEVROLET

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

MARCH 21 1955

MUD and CHEMICALS

Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|-------|------|------|----------------------|------|-----|------|-----------------------|------|----|------|
| | STANDS | D.P. | NO | FEET | STANDS | D.P. | NO | FEET | STANDS | D.P. | NO | FEET |
| SINGLE | D.P. | NO 2 | 6220 | 51 | NO 2 | 6220 | 51 | | | | | |
| X OVER SUB | O.D. | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | |
| DRILL COLLARS | O.D. | | | | | | | | | | | |
| DRILL COLLARS | 7 O.D. | NO 15 | 463 | 3.5 | | 463 | 3.5 | | | | | |
| REAMER | O.D. | KIND | | | KIND | | | | | | | |
| STABILIZER | 7 O.D. | KIND | | 552 | | 552 | | | | | | |
| JARS | | KIND | | | | | | | | | | |
| BUMPER SUB | | KIND | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 6689 | 38 | | 6689 | 38 | | | | | |
| KELLY DOWN BELOW R.H. | | | 22 | 62 | | 24 | 62 | | | | | |
| DEPTH OF TOOLS | | | | | | 6714 | 00 | | | | | |

TOUR
~~WEL~~
RAPID RISE

61-153A
 2-28-55

| DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------|--------------|---------|---------|---------|---------------|---------|---------|----------|----------------|----------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM |
| PUMP | 58 | 58 | 58 | 60 | | | | | | | | |
| ROTARY SPEED | 70 | 70 | 70 | 60 | | | | | | | | |
| WEIGHT ON BIT | 22 | 22 | 22 | 22 | | | | | | | | |
| MUD WEIGHT | 9-4 | 9-4 | 9-4 | 9-5 | 9-5 | 9-5 | | | | | | |
| VISCOSITY | 65 | 68 | 68 | 5 | 63 | 68 | | | | | | |
| WL F.C. | 2/32 | 2/32 | 2/32 | 2/32 | | | | | | | | |
| pH | 7.3 | 7.3 | 7.3 | 7.3 | | | | | | | | |

TRIP

DEGRADED
 IN IN
 ENOAK
 BOUND
 TRAP
 DIFF

| NO. | SIZE | SERIAL | DESCRIPTION | DATE | TIME | DEPTH | REMARKS |
|-----|-------|--------|-------------|------|------|-------|-------------------|
| 21 | 8 3/4 | 76701 | HW X 20 | 3-11 | 17 | 6685 | 6712 92 6-3-0 1/2 |

| CORE NO. | NO. | DATE | TIME | DEPTH | REMARKS |
|----------|-----|------|------|-------|---------|
| | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|-------------------|-------------------------------|
| DRILLER | <i>J. Kuttel</i> | G. SKINNER | <i>E. Larsen</i> |
| DERRICKMAN | <i>P. Laughlin</i> | <i>W. F.</i> | G. WRIGHT ToCo 6714 30 |
| HELPER | <i>W. T. H.</i> | <i>R. L.</i> | F. JUDSON |
| HELPER | <i>E. T.</i> | <i>R. L.</i> | G. JACKSON |
| HELPER | <i>Y.</i> | <i>W. F.</i> | R. THORNTON |
| FIREMAN | | | |
| TOOL PUSHER | <i>Norman</i> | | |

6-3-0 1/2
 1000 HW
 CAT LAST
 KELL
 REMAINING
 TO CUT
 HIGGON

TOUR REPORT

CENTRAL TIME **C P**

REGION **15**

FIELD **104 PARKIN WELL NAME WINTER FISH** CITY **Y R** CO **5 76 TWP**

DRILLING DEEPENING COMPLETION

REDRILLING ABANDONING **REWORK** DATE **MARCH 20** 19**73**

CHEVRON
OIL and CHEMICAL
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|---------------------|--------------|---------------------|---------------|----------------------|----------------|-----------------------|----|
| STANDS | NO 64 | 612706 | NO 64 | 612706 | NO 63 | 616894 | FT |
| SINGLE | NO 2 | | NO 2 | 612706 | NO 1 | | FT |
| X OVERSIP | | | | | | | FT |
| OTHER | | | | | | | FT |
| DRILL COLLARS | 7 NO 15 | 46335 | | 116335 | | 116335 | FT |
| BEAMER | | | | | | | FT |
| STABILIZER | 7 | 552 | | 552 | | 552 | FT |
| JARS | | | | | | | FT |
| BUMPER JOB | | | | | | | FT |
| BIT OR CORE BARREL | | | | | | | FT |
| TOTAL DEP. & TOOLS | | 659593 | | 659593 | | 665787 | FT |
| KELLY DOWN BELTWORK | | 2407 | | 4020 | | 3320 | FT |
| DEPTH OF TOOLS | | | | 663711 | | 668307 | FT |
| TOUR | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | 6620 | | 66336 | | 6693 | | |
| DEPTH START OF TOUR | 6604 | | 6620 | | 6630 | | |
| FOOTAGE DRILLED | 16 | | 16 | | 17 | | |

TOUR 1
5 SKS Q.E.

| DAY WORK | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
|---------------|--------------|--------|----|---------------|------|----|----------------|---------|---------|
| | 7 AM | 4 AM | AM | 7 AM | 4 AM | AM | 7 AM | 4 AM | AM |
| PUMP | 58 1300 | 58 800 | | 58 1300 | | | 58 1300 | 58 1300 | 58 1300 |
| ROTARY SPEED | 60 | 60 | | 70 | | | 70 | 70 | 70 |
| WEIGHT ON BIT | 21 | 21 | | 22 | | | 22 | 22 | 22 |
| MUD WEIGHT | 7.4 | 7.4 | | 7.4 | | | 7.4 | 7.4 | 7.4 |
| VISCOSITY | 68 | 70 | | 78 | | | 78 | 78 | 78 |

Kind
TOUR 2
TOUR 3
Out 1300
High 1300
Out 1300

| MUD LEVEL IN TANKS | NO. | DATE | TIME | DEPTH | DEPTH | DEPTH |
|--------------------|-----|-------|-------|-----------|-------|------------------|
| | 20 | 8 3/4 | MS983 | SOUTH 554 | 3-11 | 42 6624 6620 208 |
| | 21 | 8 1/4 | 16701 | HW X OV | 3-11 | 25 6620 6636 |
| | | | | | | 12 6636 6636 |

TOUR 4
TRIPPED
WITH
3526
WENT T
REVIATION
1L

| CORE | NO. | DATE | TIME | DEPTH | DEPTH | DEPTH |
|------|-----|------|------|-------|-------|-------|
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|-------------------|---------------------|
| DRILLER | G SKINNER | L ADAMS | |
| DRIBBCKMAN | J LAPTICH | S WRIGHT | T 00 6667 3° |
| HELPER | W J WITKINZ | F JOHNSON | |
| HELPER | R LORAN | G JACKSON | |
| HELPER | R VESTER | | |
| FIREMAN | | P HERIAULT | |
| TOOL PUSHER | D J HANCOCK | | |

ALCOHOL
ALCOHOL

CHEVRON SOB^c U/M WHITE FISH YK 570

| MID and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|---------------|--------|-------|--|
| 973 | Kind | Amount | | |
| JR | TOUR 1 | | | |
| 1 | 5 SA1 | | | RIG SER CHECK 130P |
| FT | RAPIDRIL 2/BS | 12 00 | 12 15 | DRILL |
| FT | | 12 15 | 8 00 | |
| 5 | | | | DESILTER UNDER FLOW 10-2 - OVER-9-4 |
| FT | | | | 29 STROKES 650 PSI |
| 2 | TOUR 2 | | | |
| FT | | 8 00 | 11 30 | DRILL |
| 5 | | 11 30 | 12 15 | RIG SER + BOP SURVEY |
| FT | | 12 15 | 11 00 | DRILL |
| 5 | TOUR 3 | | | |
| FT | GE | 400 | 5 30 | Drill |
| FT | MA | 400 | 5 30 | Drill Rig |
| FT | | 5 30 | 5 30 | Drill |
| FT | | 5 45 | 11 30 | Run in Survey |
| FT | | 11 30 | 12 00 | |

DESILTER 8 AM UNDER FLOW 10-3 OVERFLOW-9-4
 DESILTER 2 PM UNDER FLOW 10-4 OVERFLOW-9-4

Handwritten signature
 SIGNATURE

3/4

TOUR REPORT

CONTRACTOR *60* WELL NO. *15*
 FIELD *104N PARKINVILLE NAME WHITE FISH* IND. YK SEC *J70* TOP
 DATE *MARCH 18* 1973

CHECK
 MUD and CHEMICAL
 Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-----------------------------|---------------------|----------------------------|----------------------------|
| STANDS D.P. NO <i>62</i> | | NO <i>63</i> <i>596809</i> | NO <i>63</i> <i>596809</i> |
| SINGLE D.P. NO <i>2</i> | <i>593697</i> | | NO <i>1</i> <i>3162</i> |
| X-OVER SUB. O.D. | | | |
| OTHER O.D. | | | |
| DRILL COLLARS <i>7</i> O.D. | <i>46335</i> | <i>46335</i> | <i>46335</i> |
| DRILL COLLARS O.D. | | | |
| REAMER O.D. | | | |
| STABILIZER <i>1</i> O.D. | <i>552</i> | <i>552</i> | <i>552</i> |
| JARS O.D. | | | |
| BUMPER SUB. O.D. | | | |
| BIT OR CORE BARREL O.D. | | | |
| TOTAL D.P. & TOOL | <i>640584</i> | <i>643697</i> | <i>646728</i> |
| KELLY DOWN BELOW B.S. | <i>14</i> | <i>1804</i> | <i>1372</i> |
| DEPTH OF TOOLS | | <i>645501</i> | <i>6473</i> |
| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
| DEPTH END OF TOUR | <i>6420</i> | <i>6455</i> | <i>6473</i> |
| DEPTH START OF TOUR | <i>6913</i> | <i>6420</i> | <i>6473</i> |
| FOOTAGE DRILLED | <i>7</i> | <i>35</i> | <i>21</i> |

TOUR 2
GEL-2050X
M...-5...
-2SA

| DAY WORK | TIME | DRILLER | DEPT. | DRILLER | DEPT. | DRILLER | DEPT. |
|--------------------|-------------|-----------------|-------------|-------------|--------------|-------------|------------------------|
| PUMP | <i>58</i> | <i>1300</i> | <i>1300</i> | <i>1200</i> | <i>1300</i> | <i>1300</i> | <i>1400</i> |
| ROTARY SPEED | <i>TRIP</i> | <i>60</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> |
| WEIGHT ON BIT | | <i>18000/18</i> | <i>18</i> | <i>18</i> | <i>18</i> | <i>18</i> | <i>18</i> |
| MUD WEIGHT | | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> |
| VISCOSITY | | <i>51</i> | <i>53</i> | <i>55</i> | <i>59</i> | <i>71</i> | <i>70 72 72</i> |
| W.L.F.C. | | | | | <i>6 2/3</i> | | <i>58</i> |
| pH | | | | | <i>9</i> | | <i>9.0 9.0 9.0 9.0</i> |
| MUD LEVEL IN TANKS | | | | | | | |

| NO. | SIZE | SERIAL | DATE | TIME | DRILLER | DEPT. | DRILLER | DEPT. |
|-----------|--------------|--------------|--------------|------------|-------------|---------------|-------------|----------------|
| <i>20</i> | <i>8 3/4</i> | <i>MS982</i> | <i>Sm. 7</i> | <i>4JS</i> | <i>3/11</i> | <i>2</i> | <i>6413</i> | <i>6420 7</i> |
| <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>9 3/4</i> | <i>6420</i> | <i>6455 14</i> |
| <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>16 1/2</i> | <i>6473</i> | <i>28</i> |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|----------------------|-------------------|
| DRILLER | <i>J. LUTHERSE</i> | <i>G SKINNER</i> | <i>C HARSON</i> |
| DE RRIKMAN | <i>P Laughlin</i> | <i>LARRY LEPTICH</i> | <i>G WRIGHT</i> |
| HELPER | <i>E. KENNEDY</i> | <i>D KRATCHMER</i> | <i>F JOHNSON</i> |
| HELPER | <i>K TORGERSON</i> | <i>D LOULON</i> | <i>E JACKSON</i> |
| HELPER | <i>Brian Young</i> | <i>A LITZ</i> | |
| FIREMAN | | <i>Wm Wagstaff</i> | <i>L Thebault</i> |
| TOOL PUSHER | <i>Norm Young</i> | | |

AL... 1
AM...

CHEVRON SOBC WM WHITEFISH YT J-70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|-----------------|-------|-------|---|
| Kind | Amount | | | |
| 1973 | | 12 00 | 12 15 | |
| UR | TOUR 1 | 12 15 | 3 30 | RIG SER CHECK BOP BIND RAMPS CLEAN MUD TANKS |
| 9 FT | | 3 30 | 5 30 | RUN IN W/ BIT # 20 |
| 2 FT | | 5 30 | 6 00 | BLOW KELLY BREAK CLR |
| FT | | 6 00 | 8 00 | DRILL |
| FT | | | | |
| 5 FT | | | | |
| FT | | | | |
| UR 2 | GEL-2050X | 8 00 | 8 15 | 29 STROKES 650 PSI |
| 2 FT | RIG SER - 2050X | 8 15 | 11 00 | RIG SER & BOP - CROWN-O-MATIC BRAKE PINS & RIG SAVERS DRILL |
| FT | -2SPX | | | |
| FT | | | | |
| UR 3 | | 11 00 | 11 45 | DRILL |
| FT | | 11 45 | 10 45 | SER RIG & SURVEY |
| FT | | 10 45 | 12 00 | DRILL |

9.4
7.2
5.5
7.0

ACCORDING TO TURNS +10°F
AMBIENT -7°F

G. O. M. ...
SIGNATURE OF OPERATOR

TOUR REPORT

WESTBURNE

15

WELL: WHITE FISH CHEVRON 5000

YT 570

MARCH 1978

1973

CHEVRON

| DEPTH | TIME | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP |
|---------------|------|------|------|------|------|------|------|
| 5872 | 99 | 62 | 570 | 158 | 707 | 520 | |
| 7 | 15 | 463 | 35 | 463 | 35 | 463 | 35 |
| 7 | | 552 | | 552 | | 552 | |
| TOTAL DEPTH | | 6341 | 86 | 6343 | 45 | 6373 | 45 |
| DEPTH OF TANK | | 6355 | | 6402 | | 6413 | |
| DEPTH OF TANK | | 6359 | | 6359 | | 6402 | |
| DEPTH OF TANK | | 113 | | 113 | | 11 | |

CHUSTRIC SOLL
CMC 50165

GR-5001
MID-1501

11 #
11 #

| TIME | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP |
|------|------|------|------|------|------|------|------|
| 58 | 1300 | 58 | 1300 | 58 | 1300 | 58 | 1300 |
| 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 7.5 | 7.5 | 7.6 | 9.6 | 9.6 | | | |
| 68 | 63 | 61 | | | | | |
| 9.3 | 43 | 45 | 7-4 | | | | |

19 8 3/4 155716 4-J-S SMITH 3-11 44X2 320 2359 274 RUM
5174 6359 6110 2311 IN

DATE: _____
TIME: _____
FROM: _____
TO: _____
REASON: _____
HOURS: _____

DRILLER: J. KUTRIDGE, G. SKINNER
SUPERVISOR: D. KRATCHMER, J. JOHNSON
ROD MAN: Rod Laughheed
WATER STAFF: W. W. STAFF, ROBERT THERIAULT
VEHICLE: N. VEEGER

11 #

CHEVON SOBC W/M WHITEFIELD Y/T J-70

OTHER HOURLY OPERATING LEAD WORK DONE

| ACTUAL CHEMICALS ADDED | | From | To |
|------------------------|--------|-------|-------|
| Kind | Amount | | |
| CAUSTIC SOLS | 1 | 12 00 | 12 15 |
| CMC 50 lbs. | | 12 15 | 12 30 |
| | | 12 30 | 8 00 |
| GEL-555A | | 8 00 | 12 15 |
| PAPER 150A | | 12 15 | 1 00 |
| | | 1 00 | 1 00 |
| 150# | | | |
| 150# | | | |

DRILL
 RIG SER CHECK BOP
 DRILL
 PUMP 1/4 75 U/F-104
 LUBRICANT SHUT OFF
 STROKES ON PUMP 29-PSI-450
 DRILL
 SURVEY RIG SER BOP CROCODON MATE
 BIG SAVERS BANK PINS GILLY COCK
 DRILL
 DRILL
 MIX Mud
 Below Kelly survey
 Shut out
 WORK ON SNAP UP LINE

Desitter 2 P M OVERFLOW 7.4 UNDERFLOW - 9.9

DRILLED AHEAD WITH BIT # 15 TO 6412 FT. CONDENSER MAD
 LINE TRIPPED OUT OF HOLE.

Handwritten signature

Pressure Annular - 15 return + H F

TOUR REPORT

WEST BURN

15

WINDY DASH

NEUTRAL SOIL

4T 1300

CH

| | | | | | | | |
|-------|----|----|----|----|------|----|------|
| START | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| STOP | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| TIME | 7 | 15 | 43 | 35 | 1160 | 35 | 1160 |
| DEPTH | 7 | | 2 | 52 | 552 | | 552 |
| DEPTH | | | 61 | 86 | 13 | | 6247 |
| DEPTH | | | 40 | 20 | | | 6372 |
| DEPTH | | | 62 | 35 | | | 6270 |
| DEPTH | | | 2 | 8 | | | 6321 |
| DEPTH | | | 2 | 8 | | | 6321 |
| DEPTH | | | 2 | 8 | | | 6321 |
| DEPTH | | | 2 | 8 | | | 6321 |

| | | | | | | | | |
|--------|-----|-----|----|------|----|----|----|----|
| PUSH | 58 | 130 | 59 | 1300 | 58 | 58 | 58 | 58 |
| RELOAD | 56 | 56 | | | 66 | 66 | 66 | 66 |
| WEIGHT | 20 | 20 | | | 15 | 15 | 18 | 18 |
| MULTI | 4-4 | 4 | 4 | 4 | 7 | 7 | 7 | 7 |
| WEIGHT | 72 | 72 | 72 | 72 | 7 | 61 | | |
| WEIGHT | 83 | 82 | 82 | 82 | | | | |
| WEIGHT | 95 | 95 | | | | | | |

11 50 min
 11 50 min
 11 50 min
 11 50 min
 11 50 min
 11 50 min

| | | | | | | | | |
|-------------|---------------|-----|-------|------|--------|------|-----|-------|
| 19 | 8 3/4 MS 716 | 455 | SMITH | 3-11 | 24 1/2 | 6225 | 141 | 11010 |
| 11 | " | " | " | " | 29 7/8 | 6225 | 185 | |
| 11 | " | " | " | " | 36 3/4 | 6270 | 135 | |
| CORE | | | | | | | | |
| TYPE | | | | | | | | |
| FROM | | | | | | | | |
| TO | | | | | | | | |
| REWORK | | | | | | | | |
| HOURS | | | | | | | | |
| OPERATOR | MORNING | | | | | | | |
| DRILLER | P. Taylor | | | | | | | |
| DECKMAN | Frank Benford | | | | | | | |
| HELPER | J. [unclear] | | | | | | | |
| HELPER | W. [unclear] | | | | | | | |
| HELPER | [unclear] | | | | | | | |
| PREMAN | [unclear] | | | | | | | |
| TOOL PUSHER | [unclear] | | | | | | | |

Pump
 Pump
 17 40 min

CHEVRON

SOBC W/M

WHITEFISH YT J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| From | To |
|-------|-------|
| 12 00 | 12 15 |
| 12 15 | 4 15 |
| 4 15 | 8 00 |
| 8 00 | 8 15 |
| 8 15 | 11 00 |
| 11 00 | 11 15 |
| 11 15 | 12 30 |
| 12 30 | 12 45 |
| 12 45 | 1 00 |
| 4 00 | 6 15 |
| 6 15 | 6 30 |
| 6 30 | 11 00 |
| 11 00 | 11 15 |
| 11 15 | 11 30 |

RIG SHUT & CHECK BOP
DRILL
SURVEY BROKE WIRE
LIFT PUMP & STDS
CHECK WIRE LINE RUN IN
10 STDS
10 Traps 650 PSI
DESILTER UNDERFLOW 11.2 O/F 75

Blank Log
DRILL
CHECK Bops & Rig SHUT OFF'S
DRILL FOR CONSERVATION
SURVEY
DRILL

DRILL
DRILL
DRILL
SURVEY

11 00 AM RIG INSPECTION BY JOHN KIER CONSERVATION ENGINEER, I.H.N.D.

CHECKED MOTOR - SHUT-OFF - OK
CHECKED 11904 FOR LEAKS - OK
CHECKED PIPE RINGS FOR LEAKS - OK

Driller 2 P.M. 11 15 - 11 30

Pump 1/2 speed 29
Pump 1/2 PRES. 650 AT 3 P.M.

Gene M... (Signature)

700 AM: -2°F RETURN: -8°F

TOUR REPORT

WESTBURN

15

UNIT WHITFIELD CHEVRON 80175 XT J70

MAR 15

1973

| | | | | | | | | | |
|-------|----|----|----|-----|----|----|----|-----|----|
| START | 59 | 55 | 86 | 96 | 59 | 55 | 90 | 56 | 51 |
| END | 1 | | 31 | 64 | 2 | | 63 | 34 | 1 |
| START | 7 | 15 | | | | | | | |
| END | | | 46 | 35 | | | 46 | 35 | |
| START | 7 | | | | | | | | |
| END | | | 59 | 2 | | | 55 | 2 | |
| START | | | | | | | | | |
| END | | | 6 | 23 | | | 6 | 23 | |
| START | | | | | | | | | |
| END | | | 0 | 110 | | | 6 | 162 | |
| START | | | | | | | | | |
| END | | | 6 | 110 | | | 6 | 200 | |
| START | | | | | | | | | |
| END | | | 6 | 084 | | | 6 | 110 | |
| START | | | | | | | | | |
| END | | | | 26 | | | | 52 | |

WATER 1/2
MILK
EAT

622-500
1000

| | | | | | | | | | | | | | | | | | | | |
|---------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| PUMP | 180 | 1300 | 53 | 1300 | 53 | 1200 | 53 | 1300 | 53 | 1300 | 53 | 1300 | 53 | 1300 | 53 | 1300 | 53 | 1300 | 53 |
| ROTARY SPEED | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| WEIGHT ON BIT | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ADD WEIGHT | | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| VELOCITY | 70 | 76 | 74 | 72 | 65 | 68 | 64 | 61 | 67 | 68 | | | | | | | | | |
| WELL | 9.5 | | | | | | | | | | | | | | | | | | |
| PH | | | | | | | | | | | | | | | | | | | |
| WELL | | | | | | | | | | | | | | | | | | | |
| WELL | | | | | | | | | | | | | | | | | | | |

Pump
Pump

De

| | | | | | | | | | | |
|----|-------|-------|------|-------|-----|--------|------|------|-----|------|
| 19 | 8 3/4 | MS716 | 4 JS | SMITH | 311 | 7 3/4 | 6084 | 610 | 56 | DYLC |
| 19 | 8 3/4 | MS716 | 4 JS | SMITH | 311 | 12 1/4 | 6110 | 6162 | 78 | DYLC |
| | | | | | | 203 | 6162 | 6200 | 116 | TRUN |

| | | | | | | | | | | |
|-------------|-------------|--|-------------|--|---------|--|--|--|--|--|
| CORE | | | | | | | | | | |
| TYPE | | | | | | | | | | |
| FROM | | | | | | | | | | |
| TO | | | | | | | | | | |
| HOURS | | | | | | | | | | |
| SIGNATURE | MORNING | | AFTERNOON | | | | | | | |
| DRILLER | J FEDYK | | RUELLEDGE | | | | | | | |
| DRILLER | J SNOWERS | | HLIN | | LEDNICH | | | | | |
| HELPER | E BABITZKE | | KLING | | LEWIS | | | | | |
| HELPER | PAUL POTTER | | FRANSON | | | | | | | |
| HELPER | G JACKSON | | FRANSON | | | | | | | |
| FIREMAN | | | D. WIGSTAFF | | | | | | | |
| TOUR DRIVER | | | | | | | | | | |

973
 6
 8
 2
 3
 7
 5
 39
 1200
 56
 20
 45
 68
 380
 45

| CHEMICALS ADDED | | From | To |
|----------------------|--------|-------|-------|
| Kind | Amount | | |
| | | 12:00 | 12:15 |
| | | 12:15 | 12:30 |
| | | 1:00 | 2:00 |
| | | 2:00 | 2:15 |
| | | 2:15 | 3:00 |
| | | 3:00 | 3:15 |
| | | 3:15 | 3:00 |
| WATER 1/2" IN SER | | 8:00 | 8:15 |
| | | 4:15 | 4:00 |
| GEL-SER | | 11:00 | 12:00 |
| | | 5:00 | 12:00 |

OTHER HOURLY OPERATING DETAIL
 WORK DONE

RIGSER & BOIDS
 RUN IN 25' + 25' DOWN & WASHED D.C.
 RUN IN BIT #19
 REPAIR AIR CONTROLLER HIGH DRUM
 RUN IN PICK UP 2 SINGLES
 BREAK CIA CLEANER'S FILL
 DRILL
 (DESILTER OVERFLOW 9.4 UNDERFLOW 11.2)

RIGSER + CHECK BOP
 DRILL

DESILTER OVERFLOW 9.4 UNDERFLOW 11.3

Run Start - Bop. SURVEY
 DRILL

CHANGE SHAKER SCREEN
 CHECK BOP KELLY LOCK

Pump 1/2 STROK 29
 Pump 1/2 PRES. 650

DESILTER UNDERFLOW - 11.3 OVERFLOW - 9.4

Handwritten signature

TOUR REPORT

WHITEFISH

CHEVRON SUBC YT J70

WEST BURN

15

MAR 4

1973

| | | | | | |
|--------|-------|--------|--------|--------|--------|
| 5 | 39647 | 52 | 549128 | 58 | |
| | 6332 | | | 1 | 550075 |
| 7 | 17 | 52560 | 52560 | | 52560 |
| 7 | | 552 | 525 | | 525 |
| 599142 | | 602300 | | 605460 | |
| 5120 | | 500 | | 2940 | |
| 601262 | | 605800 | | 604400 | |
| 6012 | | 6058 | | 6084 | |
| 5065 | | 6012 | | 6058 | |
| 47 | | 40 | | 2H | |

5-2 10SAX

| | | | | | | | |
|----|-----------------|-------|--------|------|-----------|--------------|-------|
| 18 | 8 ³⁴ | 40:05 | XDV H2 | 3-11 | 20/4.5915 | 6055143 | Run |
| " | " | " | " | 3-11 | 20/4.5915 | 6058143 | - |
| " | " | " | " | 3-11 | 25 | 5915 6085169 | 5-2-1 |

| | | | | | | | |
|----|-----------------|-------|--------|------|-----------|--------------|-------|
| 18 | 8 ³⁴ | 40:05 | XDV H2 | 3-11 | 20/4.5915 | 6055143 | Run |
| " | " | " | " | 3-11 | 20/4.5915 | 6058143 | - |
| " | " | " | " | 3-11 | 25 | 5915 6085169 | 5-2-1 |

| | | |
|-------------|------|-----|
| BEARPE TRIP | 9.00 | 1.2 |
| 9.00 | 96 | 16 |
| | 108 | 30 |
| | 63 | 89 |
| | 35 | 9.0 |
| | 56 | 8 |
| | | 200 |

| | | |
|--------|-------------|----------------|
| DRIVER | J FADYK | FREDYER SINNER |
| DRIVER | J SHOWERS | JOHN WINSLOW |
| DRIVER | E BABIIRIKU | J. MATCHER |
| DRIVER | PHIL POTTER | E. TORGERSON |
| DRIVER | G B JACKSON | D. BOLES |
| DRIVER | | R. LINDQUIST |

CHESEBROUGH 5048 WM WHITEFISH YT 5-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| TIME | TIME | WORK DONE |
|-------|-------|-----------------------------------|
| 12:00 | 12:30 | DRILL |
| 1:30 | 1:45 | CLEAR 4 SURVEY |
| 4:45 | 4:45 | DRILL |
| 5:00 | 5:00 | CHANGE CAP BASKET 6:00 |
| 6:00 | 6:30 | DRILL |
| 6:30 | 6:30 | LAY DOWN WASHED SINGLE |
| | | DRILL |
| 8:00 | 10:45 | DRILL |
| 10:45 | 11:15 | TRIP BAR - CHECK BOT + KELLY COOK |
| 11:15 | 11:00 | DRILL |
| 11:00 | 11:30 | DRILL |
| 11:30 | 11:45 | TRIP BAR - BOP |
| 11:45 | 12:00 | DRILL |
| 12:00 | 12:00 | DROP SURVEY & TRIP OUT AT |
| 11:30 | 12:00 | 4084 STRAP |
| | | CHECK BLIND RADIUS & REPAIR |
| | | LINES POOLER |

572 10 SAX
201 11.14 250N

11.0 4 AM

HYDRIL CHECK DAYLIGHT CREW. 2 MINUTES TO PULL OFF BOTTOM AND CLOSE HYDRIL.

DESILTER OVERFLOW - 7.3 LINDERFLOW - 11.4

DRILLED AHEAD WITH BIT # 18 TRIPPED OUT OF HOLE.

RECEIVED 24 SYS GEL FROM GULF RIDGE

NEEDING UNIT RETURNS COP

WEATHER - 26 CLEAR.

John Collins

16
30
79
0
8
200

24
24

TOUR REPORT

WHITEFISH

CHEUMONS OBC YT

WEST BURNING

570

15

CHEURON

MAR 13

1973

| | | | | | | | |
|---|----|---|--------|---|--------|----|--------|
| | 56 | 5 | 30180 | 5 | 30180 | 57 | 30180 |
| | 2 | | 6354 | | 6354 | | |
| 1 | 17 | | 52560 | | 52560 | | 52560 |
| 7 | | | 552 | | 552 | | 552 |
| | | | 589646 | | 589646 | | 592806 |
| | | | 1620 | | 1720 | | |
| | | | 591266 | | 571566 | | 596289 |
| | | | 5912 | | 5915 | | 5960 |
| | | | 5886 | | 5912 | | 5915 |
| | | | 26 | | 3 | | 5880 |

GEL RAPIDRIL

52560 - RAPIDRIL

| | | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|-----|
| PLANT | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| MEASUREMENT | 18 | 18 | 18 | 20 | 18 | 18 | 18 |
| MEASUREMENT | 9.4 | 9.4 | 9.4 | 7.5 | 9.4 | 9.4 | 9.4 |
| MEASUREMENT | 52 | 54 | 60 | 70 | 52 | 54 | 54 |
| WEIGHT | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| WEIGHT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |

PUMP CHECK

| | | | | | | | | | |
|----|-------|--------|--------------|------|-----|------|------|--------|-------|
| 17 | 8 1/4 | 443317 | S88 SECURITY | 3-11 | 284 | 5766 | 5915 | 1621-6 | 1-1-1 |
| 18 | 8 1/4 | 446705 | KDV HW | 3-11 | 64 | 5915 | | 7-9 | |

DRAINED TRIMMED DRAINED

WINDY AMBIENT

| | | |
|------|-----|-----|
| TEMP | 830 | 1 |
| TEMP | 75 | 14 |
| TEMP | 73 | 89 |
| TEMP | 42 | 90 |
| TEMP | 24 | 8 |
| TEMP | 30 | 800 |

WEATHER

| | | |
|--------|--------------|------------|
| PERSON | J FODYR | E SPANNEY |
| PERSON | J SHOWER S | TOTCO 5900 |
| PERSON | E DABILITZKI | 5915 |
| PERSON | PAUL PUTTER | 2 3/4 |
| PERSON | G. TOROFTAN | 2 3/4 |
| PERSON | P. YOUNG | |
| PERSON | A VETTER | |

[Handwritten signature]

CHEURON SOBC WA WHITEFISH YT 3-70

OTHER HOURLY OPERATING DETAIL WORK DONE

1073

| TIME | ITEMS ADDED | TIME | TIME |
|------|-----------------|-------|-------|
| | | 10:00 | 10:00 |
| | | 12:15 | 12:00 |
| 1 | GEL 25 SHX | 3:00 | 3:45 |
| 1 | RAPIDRIL 10 WS | 2:45 | |
| 2 | | 3:00 | 4:00 |
| 2 | 5 SKS | 4:45 | 4:15 |
| 2 | 7 RAPIDRIL 5 WS | 4:15 | 4:45 |
| | | 7:45 | 12:45 |
| | | 12:45 | 2:00 |
| 6 | | 2:00 | 3:30 |
| | | 3:30 | 4:00 |
| 9 | | 4:00 | 6:30 |
| | | 5:30 | 5:45 |
| | | 5:45 | 12:00 |

H. G. BAR BOPS
 DRILL
 CIRC SURVEY 5900 2 3/4
 DRILL
 DESIRED UNDERFLOW 10 OVERFLOW 9.4
 DRILL
 R. J. SERVICE CHECK BOP
 SURVEY 5915 2 3/4
 PULL OUT FOR BIT # 18
 RUNNING IN
 WORK ON CLUTCHES
 RUNNING IN
 RUNNING IN
 REPAIR CUR & CLEAN 10' TO BOTTOM
 DRILL

PUMP PRESS 575 38 STROKES
 CHECK BLEED KNIPS

Desired 8 PM UNDERFLOW - 11.1 OVERFLOW - 9.7

DRILLED AHEAD PENETRATION RATE SLOWED DOWN TO 1-2 FT/HR
 TRIPPED OUT
 DRILLED AHEAD PENETRATION RATE 7-9 FT/HR.

WINDMILL RETURNS 12°F
 AMBIENT -2°F

WEATHER -10 OVERCAST

1
 14
 89
 90
 8
 1000
 2 3/4
 3 3/4

Charles Anderson

TOUR REPORT

WHITE FISH

LA FUMOUSAC

YT J7

15

MARCH

1973

| | | | | | | |
|-------|----|--------|--------|--------|--------|---------|
| START | 55 | 520683 | 56 | 530180 | 56 | 1533892 |
| STOP | 1 | 5163 | | | | |
| START | 7 | 17 | 52560 | 52560 | 52560 | |
| STOP | 7 | | 552 | 552 | 552 | |
| START | | | 572058 | 58392 | 587004 | |
| STOP | | | 2100 | 405 | 1890 | |
| START | | | 572058 | 584120 | 588608 | |
| STOP | | | 5770 | 5841 | 5886 | |
| START | | | 5767 | 5190 | 5841 | |
| STOP | | | 27 | 51 | 42 | |

WATER

304A

1300

18 18 20 18 18 18 18 18 18 18

7.5 7.5 7.4 7.4 9.4 7.1 7.1 7.1 7.1

70 70 72 65 65 72 55 55 55

6 2/3 6 2/3 6 2/3 6 2/3 6 2/3 6 2/3 6 2/3 6 2/3

7 7 7.3 7.4 7.4

7 7 7.4 7.4

57 5703 5790 27 RUNNING

12 1/4 5703 5841 78 RUNNING

| | | | | | | | |
|-------|----|-----|--------|--------------|------|---------------------|---------|
| START | 17 | 3/4 | 412317 | SSR SECURITY | 2-11 | 57 5703 5790 27 | RUNNING |
| STOP | 17 | 8/4 | 412312 | S-S-S | 3-11 | 12 1/4 5703 5841 78 | RUNNING |

| | | | |
|-------------|------------|--------------|------------------|
| CONDUCTOR | J. F. GUYA | J. K. TRODGE | BARRE SPINNER |
| OPERATOR | F. GUYA | P. LOUCHEVIN | TOTAL 5703 2 1/2 |
| TRUCK | F. B. GUYA | L. R. GUYA | 5841 2 1/2 |
| TRUCK | M. J. GUYA | | |
| HELPER | A. GUYA | L. GUYA | |
| FIREMAN | | | |
| TOOL PULLER | | | |

1/20/74

OTHER HOURLY OPERATING DETAIL WORK DONE

| 1973 | Kind | Amount | From | To |
|------|-------|--------|-------|-------|
| 52 | WATER | | 1200 | 1215 |
| 50 | | | 1:15 | 1:20 |
| 52 | | | 1:20 | 1:25 |
| 50 | | | 2:15 | 2:45 |
| 52 | | | 2:45 | 3:00 |
| 50 | 50 # | | 3:15 | 3:45 |
| 52 | 500 # | | 3:45 | 4:00 |
| 50 | 50 # | | | |
| 58 | 3591 | | 11:00 | 11:30 |
| 58 | 1500 | | 11:30 | 12:00 |

RISE IN BOPS
 CLEAN OUT BRIDGES 5430-5500
 10' FILL
 DESALTER UNDERFLOW 10.1 OVERFLOW 9.4
 RIG SERVICE CHECK BOP
 SURVEY
 DE SALTER UNDERFLOW 10.0 OVERFLOW 9.4
 RIG & PULL SURVEY
 DRILL
 Check Kelly cock + meter shut in
 36 strokes 515 PSI

58
1300
58
18
12
95
95
7
24
2 1/2
2 3/4

Desalter at 4 AM UNDERFLOW - 9.4 UNDERFLOW 9.8
 Underflow 9.4

PAVING UNIT 5-28 TEN FEET OF FILL ON BOTTOM
 DRILLED AHEAD TO 5880.

DEALTER UNDERFLOW 9.8

RECUMUL UNIT RETURNS +10°F
 AMBIENT 0°F

WEATHER -13 SQUALLY

W. J. Johnson

TOUR REPORT

CONTRACTOR *W. BURNHAM* WELL NO. *15*

FIELD *W. BURNHAM* NAME *W. BURNHAM* TWP *...* COUNTY *...* STATE *...*

CHEVRON
MCO and CHEMICAL
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|-----|--------|----------------------|-----|--------|-----------------------|-----|--------|
| | STANDS | NO. | FEET | STANDS | NO. | FEET | STANDS | NO. | FEET |
| SINGLE | NO. 1 | | 3162 | | | | | | |
| X-OVER SUB | | | | | | | | | |
| OTHER DRILL COLLARS | | | 52560 | | | 52560 | | | 52560 |
| DRILL COLLARS | | | | | | | | | |
| REAMER | 7 | | 552 | | | 552 | | | 552 |
| STABILIZER | | | | | | | | | |
| JARS | | | | | | | | | |
| BUMPER SUB | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 567435 | | | 573515 | | | 584242 |
| KELLY DOWN (BELOW W.H.) | | | 2000 | | | 985 | | | 2000 |
| DEPTH OF TOOLS | | | 570005 | | | 574800 | | | 576347 |
| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | | 5700 | | | 5749 | | | 5762 |
| DEPTH START OF TOUR | | | 5637 | | | 5700 | | | 5748 |
| FOOTAGE DRILLED | | | 63 | | | 48 | | | 14 |

TOUR 1
GEL - RAPIDAIL CAUSTIC

TOUR 2
GEL - 50% 35%

| DAY WORK | HOURS | | | | | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| | 2:30 AM | 3:00 AM | 3:30 AM | 4:00 AM | 4:30 AM | 5:00 AM | 5:30 AM | 6:00 AM | 6:30 AM | 7:00 AM | 7:30 AM | 8:00 AM | 8:30 AM | 9:00 AM | 9:30 AM | 10:00 AM |
| PUMP | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| ROTARY SPEED | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| WEIGHT ON BIT | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| MUD WEIGHT | 9.4 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| VISCOSITY | 66 | 70 | 68 | 66 | 64 | 62 | 60 | 58 | 56 | 54 | 52 | 50 | 48 | 46 | 44 | 42 |
| W.L.F.C. | | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| pH | 9.2 | 9.2 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |

DESILTEX
DESILTEX
PUMP PAS
DESILTEX

| NO. | SIZE | SERIAL | BIT KIND | NO. OF TOOTH | DATE | TIME | TIME | TIME | TIME |
|-----|-------|--------|------------|--------------|--------|------|------|------|---------|
| 16 | 8 1/2 | 202491 | STIAG REED | 3-11 | 12 1/4 | 5594 | 5700 | 106 | RUNNING |
| | | | | | 21 3/4 | | 5763 | 169 | 521 |

D-SIL
ALPHON A

| CORE NO. | NO. | DIST. N. | PRE-FLOW | RECOVERY | RECOVERY |
|----------|-----|----------|----------|----------|----------|
| | | | 700 | 2 | 9 |
| | | | 91 | 17 | 1100 |
| | | | 93 | | 9.3 |
| | | | 30 | | 8.5 |

DRILLED TO 60 FT HIGH U/I

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | J FEDYK | J. KUTCHAY | G. SKINNER |
| DERRICKMAN | J SHOWERS | P. LOUGHRAN | L. KEPICH |
| HELPER | E BABIITZKE | | W. KORTNER |
| HELPER | PHIL POTTER | G. TORBRONOW | |
| HELPER | | BRIAN YOUNG | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

TOUR REPORT

CONTRACTOR *W. BURNHAM* WELL NO. *15*

FIELD *W. BURNHAM* NAME *W. BURNHAM* TWP *...* COUNTY *...* STATE *...*

CHEVRON
MCO and CHEMICAL
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|-----|--------|----------------------|-----|--------|-----------------------|-----|--------|
| | STANDS | NO. | FEET | STANDS | NO. | FEET | STANDS | NO. | FEET |
| SINGLE | NO. 1 | | 3162 | | | | | | |
| X-OVER SUB | | | | | | | | | |
| OTHER DRILL COLLARS | | | 52560 | | | 52560 | | | 52560 |
| DRILL COLLARS | | | | | | | | | |
| REAMER | 7 | | 552 | | | 552 | | | 552 |
| STABILIZER | | | | | | | | | |
| JARS | | | | | | | | | |
| BUMPER SUB | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 567435 | | | 573515 | | | 584242 |
| KELLY DOWN (BELOW W.H.) | | | 2000 | | | 985 | | | 2000 |
| DEPTH OF TOOLS | | | 570005 | | | 574800 | | | 576347 |
| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | | 5700 | | | 5749 | | | 5762 |
| DEPTH START OF TOUR | | | 5637 | | | 5700 | | | 5748 |
| FOOTAGE DRILLED | | | 63 | | | 48 | | | 14 |

TOUR 1
GEL - RAPIDAIL CAUSTIC

TOUR 2
GEL - 50% 35%

| DAY WORK | HOURS | | | | | | | | | | | | | | | |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 2:30 AM | 3:00 AM | 3:30 AM | 4:00 AM | 4:30 AM | 5:00 AM | 5:30 AM | 6:00 AM | 6:30 AM | 7:00 AM | 7:30 AM | 8:00 AM | 8:30 AM | 9:00 AM | 9:30 AM | 10:00 AM |
| PUMP | 59 1500 | 59 1400 | 59 1406 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 | 59 1400 |
| ROTARY SPEED | RPM 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| WEIGHT ON BIT | WIB 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| MUD WEIGHT | lb/gal 9.4 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| VISCOSITY | cp 66 | 70 | 68 | 66 | 66 | 64 | 68 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| W.L.F.C. | cc/gal 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| pH | 9.2 | 9.2 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |

DESILTEX
DESILTEX
PUMP PAS
DESILTEX

| NO. | SIZE | SERIAL | BIT KIND | NO. OF TOOTH | TOUR | START | STOP | FEET | REMARKS |
|-----|-------|--------|----------|--------------|------|-------|------|------|-------------|
| 16 | 8 1/2 | 202491 | STIAG | REED | 3-11 | 12:45 | 5594 | 5700 | 106 |
| | | | | | | 21:31 | | 5763 | 169 |
| | | | | | | | | | RUNNING 521 |

D-SIL
ALPHON A

| CORE NO. | NO. | DIST. N. | PRE-FLOW | RECOVERY | REMARKS |
|----------|-----|----------|----------|----------|---------|
| | | | | | 700 2 |
| FROM | | | | | 9.11 17 |
| TO | | | | | 93 1100 |
| RECOVERY | | | | | 9.3 |
| HOURS | | | | | 30 8.5 |

DRILLED TO 60 FT HIGH U/I

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | J FEDYK | J. KUTCHAY | G. SKINNER |
| DERRICKMAN | J SHOWERS | P. LOUGHRAN | L. KEPICH |
| HELPER | E BABIKITZKE | | W. KUTCHAY |
| HELPER | PHIL POTTER | G. TORBRANSOW | |
| HELPER | | BRIAN YOUNG | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

TOUR REPORT

CONTRACTOR *W. B. BURNHAM* NO. *15*

FIELD *WILLIAMS* NAME *CHLORINE* YTD *300* TWP *10* R. *10* W. *10*

(1) DRILLING (2) DEEPENING (3) COMPLETING (4) REDRILLING (5) ABANDONING (6) REWORKING (7) OTHER (8) REPAIRS (9) STARTED 19*53*

CHEVRON
M.D. and CHEMICAL
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-----------------------|-------------------------|-------------------------|-------------------------|
| STANDS | NO. <i>54</i> 511211 FT | NO. <i>55</i> 520703 FT | NO. <i>55</i> 521208 FT |
| SINGLE | NO. <i>1</i> 3162 FT | | |
| X-OVER SUB | | | |
| OTHER | | | |
| DRILL COLLARS | 52560 FT | 52560 FT | 52560 FT |
| DRILL COLLARS | | | |
| REAMER <i>7</i> | 552 FT | 552 FT | 552 FT |
| STABILIZER | | | |
| JARS | | | |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | 56743 FT | 57351 FT | 58424 FT |
| KELLY DOWN (BELOW NR) | 2000 FT | 985 FT | 2000 FT |
| DEPTH OF TOOLS | 570005 FT | 574800 FT | 576347 FT |
| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
| DEPTH END OF TOUR | 5700 | 5749 | 5762 |
| DEPTH START OF TOUR | 5637 | 5700 | 5748 |
| FOOTAGE DRILLED | 63 | 48 | 14 |

TOUR 1
GEL -
RAPIDAIL
CAUSTIC

TOUR 2

GEL 50%
20% 35%

| DAY WORK | HOURS | | | | | | | |
|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 PM | 2:00 PM | 4:00 PM |
| PUMP | <i>59</i> 1500 | <i>59</i> 1400 | <i>59</i> 1406 | <i>59</i> 1000 | <i>55</i> 1000 | <i>55</i> 1000 | <i>55</i> 1000 | <i>55</i> 1000 |
| ROTARY SPEED | RPM <i>120</i> | <i>120</i> | <i>120</i> | <i>120</i> | <i>120</i> | <i>120</i> | <i>120</i> | <i>120</i> |
| WEIGHT ON BIT | WBLK <i>15</i> | <i>15</i> | <i>15</i> | <i>15</i> | <i>15</i> | <i>15</i> | <i>15</i> | <i>15</i> |
| MUD WEIGHT | LB/GAL <i>9.4</i> | <i>9.5</i> | <i>9.5</i> | <i>9.5</i> | <i>9.5</i> | <i>9.4</i> | <i>9.4</i> | <i>9.5</i> |
| VISCOSITY | CP <i>66</i> | <i>70</i> | <i>68</i> | <i>66</i> | <i>64</i> | <i>68</i> | <i>70</i> | <i>73</i> |
| WLF C | CC/3000 <i>1.7</i> | <i>1.7</i> | <i>1.7</i> | <i>1.7</i> | <i>1.7</i> | <i>1.7</i> | <i>1.7</i> | <i>1.7</i> |
| pH | <i>9.2</i> | <i>9.2</i> | <i>9.5</i> | <i>9.5</i> | <i>9.5</i> | <i>9.5</i> | <i>9.5</i> | <i>9.5</i> |
| MUD LEVEL IN TANKS | FT. DIS. | | | | | | | |

DESILTEX
DESILTEX
PUMP PLS
DESILTEX

| NO. | SIZE | SERIAL | BIT KIND | WELL NO. | DATE | TIME | TIME | TIME | TIME |
|-----------|--------------|---------------|-------------------|-------------|---------------|-------------|-------------|------------|----------------|
| <i>16</i> | <i>8 1/4</i> | <i>202491</i> | <i>STIAG REED</i> | <i>3-11</i> | <i>12 1/4</i> | <i>5594</i> | <i>5700</i> | <i>106</i> | <i>RUNNING</i> |
| | | | | | <i>21 3/4</i> | <i>5163</i> | <i>169</i> | <i>521</i> | |

D-SIL
ALPHAL A

| CORE NO. | NO. | DIST. N. | PRE-FLOW | RECOVERY | RECOVERY |
|----------|-----|----------|----------|----------|----------|
| | | | | | |
| FROM | | | | | |
| TO | | | | | |
| RECOVERY | | | | | |
| HOURS | | | | | |

DRILLED
TO 60 FT
HIGH UIC

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|-----------------------|-------------------|
| DRILLER | <i>J FEDYK</i> | <i>J. KUTNER</i> | <i>G. SKINNER</i> |
| DERRICKMAN | <i>J SHOWERS</i> | <i>P. LOU BURNHAM</i> | <i>L. KEPICH</i> |
| HELPER | <i>E BABIKITZKE</i> | | <i>W. KUTNER</i> |
| HELPER | <i>PHIL POTTER</i> | <i>G. TORBRONOW</i> | |
| HELPER | | <i>BRIAN YOUNG</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>J. HANBURY</i> | | |

CHEVRON 5000 WT WHITEFISH YT 5-20

| MUD and CHEMICALS ADDED | | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|----------------|--------|------------------|------------------|--|
| 19'S | Kind | Amount | | | |
| TOUR | TOUR 1 | | 12 ⁰⁰ | 12 ¹⁵ | Rig SEA BOPS |
| 3 5' FT | GEL - | 10 SAK | 12 ¹⁵ | 1 ⁴⁵ | DRILL |
| FT | RAPIDAIL | 7 Rls | 1 ⁴⁵ | 2 ³⁰ | CIRC & SURVEY |
| FT | CAUSTIC | 50* | 2 ³⁰ | 4 ⁰⁰ | DRILL |
| 6 0' FT | | | | | |
| 5 2' FT | TOUR 2 | | 8 ⁰⁰ | 10 ³⁰ | DRILL |
| FT | | | 11 ³⁰ | 11 ⁰⁰ | SURVEY |
| FT | | | 11 ⁰⁰ | 11 ¹⁵ | RIG SERVICE |
| FT | | | 11 ¹⁵ | 4 ⁰⁴ | DRILL |
| 4 7' FT | | | | | |
| 6 0' FT | | | 14 ⁰⁰ | 6 ¹⁵ | DRILL |
| 4 7' FT | TOUR 3 | | 6 ¹⁵ | 6 ⁴⁵ | DR TO TRIP. |
| UR | GEL 5 SAK | | 6 ⁴⁵ | 7 ¹⁵ | DEEP SURVEY CUT AT 5763 |
| FT | RAPIDAIL 3 SAK | | 7 ¹⁵ | 7 ¹⁵ | CHANGE BITS CHECK BLIND RAM |
| FT | | | | | RIG SHUT OFF & CLEAN SHAKE |
| FT | | | | | HANK |
| FT | | | 10 ⁴⁵ | 12 ⁰⁰ | RUN IN |

CEMENTING, TIEBACKS, LIFTING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING NUMMALS

DESILTER 3:30 AM C Flow 9.4 Under flow 19. - (6 gal per min)
 Desilte R 2:30 AM C Flow 9.4 Under flow 10 1 3/4 min

PUMP PAS 525 AT 39 STROKES COMPOUNDS SPLIT
 DESILTER RUNNING O/F 9.4 U/F 10

DESILTER 6 P.M. ON RUN - 9.4 UNDERFLOW 9.9

ALCOHOL RETURNS +9°F AMBIENT -2°F

DRILLED AHEAD WITH BIT # 16, TRIPPED OUT, MOVED STAB.
 TO 60 FEET. PICKED UP 5-88, HOLE CONDITION GOOD DUE TO
 HIGH VISCOSITY, FEW FEET OF FILL ON BOTTOM

2
9
17
11:00
9.3
8.5
NIL
850

2 1/2
2 1/2

[Signature]

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *WESTBOMNA* NO. *15*

FIELD *WHITE FISH* WELL NAME *CHARAONSORC* END *YT J70* TWP *15*

(1) DRILLING (2) OPENING (3) COMPLETING (4) REDRILLING (5) ABANDONING (6) REWORKING (7) REPAIRING END NO. *17* DATE *MAR 10* 1978

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | | |
|-----------------------|------|---------------------|-------------------|--|----------------------|-------------------|--|-----------------------|-------------------|--|--|
| STANDS | D.P. | NO. <i>53</i> | <i>501785</i> FT. | | NO. <i>53</i> | <i>501785</i> FT. | | NO. <i>53</i> | FT. | | |
| SINGLE | D.P. | NO. <i>1</i> | <i>3128</i> FT. | | NO. <i>1</i> | FT. | | NO. <i>2</i> | <i>508613</i> FT. | | |
| X OVER SUB | O.D. | | FT. | | | FT. | | | FT. | | |
| OTHER DRILL COLLARS | O.D. | <i>17</i> | <i>52560</i> FT. | | <i>17</i> | <i>52560</i> FT. | | | <i>52560</i> FT. | | |
| DRILL COLLARS | O.D. | NO. KIND | <i>552</i> FT. | | NO. KIND | <i>552</i> FT. | | NO. KIND | FT. | | |
| BEAMER | O.D. | KIND | FT. | | KIND | FT. | | KIND | FT. | | |
| STABILIZER | O.D. | KIND | FT. | | KIND | <i>552</i> FT. | | KIND | <i>552</i> FT. | | |
| JARS | O.D. | KIND | FT. | | KIND | FT. | | KIND | FT. | | |
| HUMPER SUB | O.D. | KIND | FT. | | KIND | FT. | | KIND | FT. | | |
| BIT OR CORE BARREL | O.D. | KIND | FT. | | KIND | FT. | | KIND | FT. | | |
| TOTAL D.P. & TOOLS | | | <i>558020</i> FT. | | <i>558020</i> FT. | FT. | | <i>561757</i> FT. | FT. | | |
| KELLY DOWN BELOW R.B. | | | <i>1720</i> FT. | | <i>1720</i> FT. | FT. | | <i>2625</i> FT. | FT. | | |
| DEPTH OF TOOLS | | | <i>559440</i> FT. | | <i>559440</i> FT. | FT. | | <i>564353</i> FT. | FT. | | |
| TOUR | | | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | | <i>5594</i> FEET | | | <i>5594</i> FEET | | | <i>5637</i> FEET | | |
| DEPTH START OF TOUR | | | <i>5557</i> FEET | | | <i>5594</i> FEET | | | <i>5594</i> FEET | | |
| FOOTAGE DRILLED | | | <i>37</i> FEET | | | <i>0</i> FEET | | | <i>40</i> FEET | | |

| DAY WORK | 2:30 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM |
|---------------|----------------|----------------|----------------|---------|---------|---------|---------|----------------|----------------|----------------|
| PUMP | <i>58</i> 1400 | <i>58</i> 1400 | <i>59</i> 1400 | | | | | <i>58</i> 1400 | <i>58</i> 1400 | <i>58</i> 1400 |
| ROTARY SPEED | <i>120</i> | <i>120</i> | <i>120</i> | | | | | <i>120</i> | <i>120</i> | <i>120</i> |
| WEIGHT ON BIT | <i>15</i> | <i>15</i> | <i>15</i> | | | | | <i>15</i> | <i>15</i> | <i>15</i> |
| MUD WEIGHT | <i>9.5</i> | <i>9.5</i> | | | | | | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> |
| VISCOSITY | <i>78</i> | <i>96</i> | | | | | | <i>89</i> | <i>89</i> | <i>8.9</i> |
| WL F.C. | | <i>8.2</i> | | | | | | | | |
| pH | | <i>9.5</i> | | | | | | | | |

| MUD LEVEL IN TANKS | NO. | SIZE | SERIAL | BIT KIND | REV. TIPS | FEET | REMARKS |
|--------------------|-----------|--------------|---------------|-------------------|-------------|------------|-------------------------------|
| | <i>15</i> | <i>8 3/4</i> | <i>796774</i> | <i>STING REED</i> | <i>3-11</i> | <i>244</i> | <i>5371 5594 223 TRIPPING</i> |
| | <i>16</i> | <i>8 3/4</i> | <i>202491</i> | <i>SATAC</i> | <i>3-11</i> | | <i>5594 TRIPPING</i> |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY | HOURS |
|------|-----|-----|---------|------|----|----------|--------------------|
| | | | | | | | <i>10:00 - 0.2</i> |
| | | | | | | | <i>9.5 7</i> |
| | | | | | | | <i>68 13</i> |
| | | | | | | | <i>40 94</i> |
| | | | | | | | <i>29 8.5</i> |
| | | | | | | | <i>35 250</i> |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|---------------------|------------------|
| DRILLER | <i>J Fedyk</i> | <i>F. Kuntz</i> | <i>G Skinner</i> |
| DERRICKMAN | <i>J Showers</i> | | |
| HELPER | <i>K Babilitzke</i> | | |
| HELPER | <i>Phil Potter</i> | <i>E. Tolgarson</i> | |
| HELPER | <i>Long Leplich</i> | <i>B. Young</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

TOUR 1
GEL RAPIDRILL

TRIP

1500 C.M.C

DRILL TRIPPING HOPE

ALCOHOL AMBIENT WEATHER

CHEVRON 5030 WA WHITEFISH YT 5-20

| MATERIALS AND CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------------|-----------------|-------|-------|--|
| Kind | Amount | | | |
| 1975 | | 12:00 | 12:15 | RIG SEA - BOPS |
| UR | TOUR 1 | 12:15 | 4:30 | DAYL |
| 5 FT | GEL 15 SAK | 4:30 | 4:45 | CIRC. |
| 5 FT | RAPIDRILL 6 lbs | 4:45 | 5:15 | SURVEY |
| 5 FT | | 5:15 | 6:00 | DRILL |
| 5 FT | | 6:00 | 6:30 | CIRC TO TRIP |
| 0 FT | | 6:30 | 7:00 | TRIP OUT FOR BIT # 16 |
| 2 FT | TOUR 2 | | | |
| 2 FT | TRIP | 8:00 | 10:00 | PULL OUT OF HOLE |
| 5 FT | | 10:00 | 10:15 | RIG SEA |
| 5 FT | | 10:15 | 10:45 | CHECK BOP BLIND RAMS |
| 7 FT | | 10:45 | 12:00 | MOTOR SHUT OFF'S |
| 5 FT | | 12:00 | 1:00 | RUN IN DE |
| 5 FT | | 1:00 | 4:00 | CUT & SLIP 63 FT DRILL LINE |
| 5 FT | | | | RUN IN HOLE |
| 5 FT | TOUR 3 | | | |
| 5 FT | 15% C.M.C. | 1:00 | 5:15 | BACK CIR CLEAN 10' TO BOTTOM |
| 5 FT | | 5:15 | 5:30 | RIG SEA - BOP |
| 5 FT | | 5:30 | 7:45 | DRILL |
| 5 FT | | 7:45 | 8:00 | CHECK NO. 2 Pump Change |
| 5 FT | | 8:00 | 8:30 | Pumps |
| 5 FT | | 8:30 | 9:30 | WORK ON 11 Union cut and standards |
| 5 FT | | 9:30 | 10:00 | DRILL |
| 5 FT | | 10:00 | 10:00 | CHANGE 11 UNION |
| 5 FT | | 10:00 | 12:00 | DRILL |

DESILICK 11 P.M. ~~Unit 1. Run 10.1~~ OVERCAST 7.5"

DRILLED AHEAD
TRIPPED OUT
HOLE CONDITION GOOD DUE TO HIGH VISCOSITY.

ALCOHOL RETURNS +8°F
AMBIENT -5°F

WEATHER -14 OVERCAST.

John A. Johnson
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **WHITE FISH**

WELL NAME **CHEURON SUBC**

CONTRACTOR **WESTBUANE**

WELL NO **15**

[] DRILLING [] DEEPENING [] COMPLETING

[] REDRILLING [] ABANDONING [] REWORKING TOUR HOURS **10:00 AM - 10:00 PM** DATE **MAR 9** 1973

CHEURON

MUD and CHEMICALS

Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-----------------------|------|---------------------|-------------|----------------------|-------------|-----------------------|-------------|
| STANDS | D.P. | NO 51 | 48 28 29 | NO | 49 54 68 | NO 50 | |
| SINGLE | D.P. | NO 2 | 6 3 1 3 | NO | | NO 2 | 4 9 9 1 5 8 |
| X-OVER SUB | O.D. | | | | | | |
| OTHER | O.D. | | | | | | |
| DRILL COLLARS | O.D. | | 5 2 5 6 0 | | 5 2 5 6 0 | | 5 2 5 6 0 |
| DRILL COLLARS | O.D. | | | | | | |
| REAMER | O.D. | | 5 5 2 | | 5 5 2 | | 5 5 2 |
| STABILIZER | O.D. | | | | | | |
| JARS | O.D. | | | | | | |
| BUMPER SUB | O.D. | | | | | | |
| BIT OR CORE BARREL | O.D. | | | | | | |
| TOTAL D.P. & TOOLS | | | 5 4 2 2 5 4 | | 5 4 2 5 8 0 | | 5 5 1 7 1 8 |
| KELLY DOWN BELOW R.R. | | | 4 0 2 0 | | 1 3 2 0 | | 4 0 2 0 |
| DEPTH OF TOOLS | | | 5 1 6 2 7 4 | | 5 5 0 4 1 0 | | 5 5 5 7 3 8 |
| TOUR | | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | | 5 4 6 2 | | 5 5 0 4 | | 5 5 0 4 |
| DEPTH START OF TOUR | | | 5 3 8 6 | | 5 4 6 2 | | 5 5 5 7 |
| FOOTAGE DRILLED | | | 7 6 | | 4 2 | | 5 3 |

TOOL 1
S.K.L. -
RAPIDRILL
EMC
Water 1/2

TOOL 2
S.K.L.
Sonic
Hybridrill
Water

TOOL 3
S.K.L.
RAPIDRILL

| DAY WORK | HOURS | | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM | 3:00 PM |
| PUMP | 63 | 135 | 60 | 130 | 60 | 130 | 58 | 130 | 58 | 130 | 58 | 130 | 58 |
| ROTARY SPEED | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| WEIGHT ON BIT | 20 | 20 | 20 | 15 | 15 | 15 | 15 | 15 | 15 | 12 | 15 | 15 | 15 |
| MUD WEIGHT | 7.5 | 9.6 | 9.5 | 9.5 | 9.6 | 9.5 | 9.4 | 9.4 | 9.4 | 9.5 | 9.5 | 9.5 | 9.5 |
| VISCOSITY | 90 | 76 | 80 | 150 | 100 | 115 | 115 | 119 | 98 | 93 | 89 | 89 | 89 |
| W.L.F.C. | | | 7.8 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| pH | | | 8.5 | 7.5 | 9.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | |

MS 1 320

3 11 P.M. D

DRILLED
9.2 FT/HR

| NO. | SIZE | SERIAL | BIT | KEY | APPL. | TYPE | DATE | TIME | TIME | TIME | |
|-----|-------|--------|-------|------|-------|------|------|--------|------|------|-----|
| 15 | 8 3/4 | 296774 | STIAG | BEED | | | 3-11 | 7 | 5371 | 5462 | 91 |
| 15 | 8 3/4 | 296774 | - | - | - | | 3/11 | 13 1/2 | 5371 | 5504 | 133 |

ALPOHOK
ADJIBENT

| CORE | No. | No. | DIST. NO. | FROM | TO | RECOVERY | HOURS |
|----------|-----|-----|-----------|------|----|----------|-------|
| TYPE | | | PRE-FLOW | | | | 10:00 |
| FROM | | | F.S.T. | | | | 96 |
| TO | | | V.O. | | | | 89 |
| RECOVERY | | | F.S.T. | | | | 40 |
| HOURS | | | RECOVERY | | | | 28 |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------|---------------|----------------|
| DRILLER | J. FEDYK | J. ROTLEDGE | G. SKINNER |
| DERRICKMAN | J. SHAWERS | J. GUCH/IN | K. LEPTICH |
| HELPER | J. BABILITZKE | | |
| HELPER | PHIL POTTER | | |
| HELPER | W. JOSIE | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

5455 3 1/4
5525 2 3/4

TOUR REPORT

CONTRACTOR *Westbourne* HOLE NO. *15*

FIELD *White Fish* WELL NAME *Chevron sub* SEC *47* TWP *N* R *15*
 [] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR AN HOUR ENDING 12:00 ON THE *March 8 1973*

CHEVRON
MUD and CHEMICALS
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | | | | |
|--------------------|------|---------------------|----|----|----|----------------------|------|----|----|-----------------------|----|------|----|----|----|----|----|---|
| STANDS | D.P. | NO | 51 | 48 | 28 | 49 | FT | NO | 48 | 28 | 29 | FT | NO | 48 | 28 | 29 | FT | |
| SINGLE | D.P. | NO | | | | FT | NO | | | | FT | NO | | | | FT | | |
| X OVER SUB | D.P. | | | | | FT | | | | | FT | | | | | FT | | |
| OTHER | D.P. | | | | | FT | | | | | FT | | | | | FT | | |
| DRILL COLLARS | O.D. | NO | 17 | 52 | 56 | 0 | FT | NO | 17 | 52 | 56 | 0 | FT | NO | 17 | 52 | 56 | 0 |
| DRILL COLLARS | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| REAMER | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| STABILIZER | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| JARS | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| BUMPER SUB | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| BIT OR CORE BARREL | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| TOTAL D.P. & TOOLS | | | 53 | 59 | 61 | | | 53 | 59 | 41 | | | 53 | 59 | 41 | | | |
| KELLY DOWN BELOW R | | | 10 | 39 | | | | 12 | 10 | | | | 27 | 10 | | | | |
| DEPTH OF TOOLS | | | 53 | 71 | 51 | | | 53 | 71 | 51 | | | 53 | 71 | 51 | | | |

TOUR 1
TOUR 2
TOUR 3
1 etc

| DAY WORK | MORNING TOUR | | | | | | | | DAYLIGHT TOUR | | | | | | | | AFTERNOON TOUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|----------|----------------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|-----|-----|
| | 2:30 AM | 3:00 AM | 3:30 AM | 4:00 AM | 4:30 AM | 5:00 AM | 5:30 AM | 6:00 AM | 6:30 AM | 7:00 AM | 7:30 AM | 8:00 AM | 8:30 AM | 9:00 AM | 9:30 AM | 10:00 AM | 10:30 AM | 11:00 AM | 11:30 AM | 12:00 PM | 12:30 PM | 1:00 PM | 1:30 PM | 2:00 PM | 2:30 PM | 3:00 PM | 3:30 PM | 4:00 PM | 4:30 PM | 5:00 PM | 5:30 PM | 6:00 PM | 6:30 PM | 7:00 PM | 7:30 PM | 8:00 PM | 8:30 PM | 9:00 PM | 9:30 PM | 10:00 PM | 10:30 PM | 11:00 PM | 11:30 PM | | |
| PUMP | TRIPPING TRIP 6:30-8:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROTARY SPEED | TRIPPING TRIP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WEIGHT ON BIT | TRIPPING TRIP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | 75 | 75 | 90 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | | |
| VISCOSITY | | | | | | | | | 66 | 65 | 78 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| W L F C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PUMP
PUMP
TRIPPED
OFF BUT
REACHED
WHITE

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | RECORDED | TOUR |
|-----|-------|--------|-------------------|----------|--------------|
| 15 | 8 3/4 | 796724 | STIAG REED | 3-11 | 5371 |
| 15 | 8 3/4 | 796724 | STIAG REED | 3-11 1/2 | 5371 5386 15 |

| CORE | No | No | DST No | FROM | TO | DEPTH (FEET) | |
|----------|----|----|--------|------|----|--------------|----------|
| | | | | | | PRELIM | RECOVERY |
| TYPE | | | | | | 980 | 25 |
| FROM | | | | | | 95 | 12 |
| TO | | | | | | 78 | 9.8 |
| Recovery | | | | | | 41 | 45 |
| HOURS | | | | | | 25 | 25 |

TEMPERATURE
AIR
AMBIENT

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|-----------------------|--------------------|
| DRILLER | <i>C. Hansen</i> | <i>J. Fedyk</i> | <i>[Signature]</i> |
| DERRICKMAN | <i>G. Wright</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>F. Johnson</i> | <i>E. B. Bittaker</i> | <i>[Signature]</i> |
| HELPER | <i>T. Thomas</i> | <i>PHIL POTTER</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

TOUR REPORT

CONTRACTOR *Westbourne* HOLE NO. *15*

FIELD *White Fish* WELL NAME *Chevron sub* SEC *47* TWP *N* R *15*
 [] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING FOR AN HOUR ENDING 12:00 ON THE *March 8* 19*73*

CHEVRON
MUD and CHEMICALS
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | | | | |
|---------------------|------|---------------------|--------------|----|----|----------------------|---------------|----|----|-----------------------|----------------|------|----|----|------|----|----|---|
| STANDS | D.P. | NO | 51 | 48 | 28 | 49 | FT | NO | 48 | 28 | 29 | FT | NO | 48 | 28 | 29 | FT | |
| SINGLE | D.P. | NO | | | | FT | NO | | | | | FT | NO | | | | FT | |
| X OVER SUB | D.P. | | | | | FT | | | | | | FT | | | | | FT | |
| OTHER | D.P. | | | | | FT | | | | | | FT | | | | | FT | |
| DRILL COLLARS | O.D. | NO | 17 | 52 | 56 | 0 | FT | NO | 17 | 52 | 56 | 0 | FT | NO | 17 | 52 | 56 | 0 |
| DRILL COLLARS | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| REAMER | O.D. | KIND | | 5 | 52 | FT | KIND | | 5 | 52 | FT | KIND | | 5 | 52 | FT | | |
| STABILIZER | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| JARS | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| BUMPER SUB | O.D. | KIND | | | | FT | KIND | | | | FT | KIND | | | | FT | | |
| BIT OR CORE BARREL | O.D. | | | | | FT | | | | | FT | | | | | FT | | |
| TOTAL D.P. & TOOLS | | | 53 | 59 | 61 | FT | | 53 | 59 | 61 | FT | | 53 | 59 | 61 | FT | | |
| KELLY DOWN BELOW R | | | 10 | 39 | | FT | | 12 | 10 | | FT | | 27 | 10 | | FT | | |
| DEPTH OF TOOLS | | | 53 | 71 | 51 | FT | | 53 | 71 | 51 | FT | | 53 | 71 | 51 | FT | | |
| TOUR | | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | | | | | |
| DEPTH END OF TOUR | | | 53 | 71 | | FEET | | | | | FEET | 53 | 56 | | FEET | | | |
| DEPTH START OF TOUR | | | | | | FEET | | | | | FEET | 53 | 71 | | FEET | | | |
| FOOTAGE DRILLED | | | | | | FEET | | | | | FEET | 13 | | | FEET | | | |

SEK
RATILIN
1 etc

| DAY WORK | HOURS | | | | | | | |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 2:30 AM | 3:00 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM |
| PUMP | | | | | | | | |
| ROTARY SPEED | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | |
| MUD WEIGHT | | | | | 75 | 75 | 96 | 96 |
| VISCOSITY | | | | | 66 | 65 | 78 | 120 |
| W L F C | | | | | | | | |
| pH | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | |

TRIPPING TRIP

PUMP
PUMP
TRIPPED
OFF BUT
REACHED

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | RECORDED | RECORDED |
|-----|-------|--------|-------------------|----------|--------------|
| 15 | 8 3/4 | 796724 | STIAG REED | 3-11 | 5371 |
| 15 | 8 3/4 | 796724 | STIAG REED | 3-11 1/2 | 5371 5386 15 |

WHITE
TEMP

| SIGNATURES | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|-------------|--------------|----|---------------|------|----------------|------|
| | NO | NO | DST No | FROM | DST No | FROM |
| DRILLER | | | | | | |
| DERRICKMAN | | | | | | |
| HELPER | | | | | | |
| HELPER | | | | | | |
| HELPER | | | | | | |
| FIREMAN | | | | | | |
| TOOL PUSHER | | | | | | |

CHARLSON *J FEDYK*
Wright *Shover*
Tulson *REBABLITZKE*
Thomas *PHIL POTTER*
Wankler

| TYPE | PRE FLOW | 9:00 | 9:5 |
|----------|----------|------|-----|
| FROM | 95 | 95 | 12 |
| TO | 78 | 78 | 9.8 |
| RECOVERY | 41 | 41 | 45 |
| HOURS | 25 | 25 | 25 |

TOUR REPORT

FIELD *White Fish* WELL NAME *Chevron 30bc* CONTRACTOR *Westbourne* DATE *1/15*
 1- DRILLING 2- DEEPENING 3- COMPLETING 4- REWORKING 5- ABANDONING 6- REDRILLING 7- REWORKING
 PLANE *1* 19*73*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|---------------------|------|----|------|----------------------|------|----|-------|-----------------------|------|----|------|
| | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET | NO | FEET |
| STANDS | 49 | 4640 | 79 | 50 | 4735 | 08 | 51 | 4828 | 49 | | | |
| SINGLE | 2 | 6328 | | 1 | 3000 | | | | | | | |
| X-OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | 7 | | | 17 | 52560 | | 17 | 52560 | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| REAMER | 7 | | | | 552 | | | 552 | | | | |
| STABILIZER | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | 5233 | 77 | | 5296 | 20 | | 5359 | 61 | | | |
| KELLY DOWN BELOW RB | | | 23 | | | 3120 | | | 1089 | | | |
| DEPTH OF TOOLS | | 5258 | 77 | | 5327 | 40 | | 5391 | 00 | | | |
| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | | 5258 | | | 5327 | | | 5391 | | | | |
| DEPTH START OF TOUR | | 5208 | | | 5258 | | | 5327 | | | | |
| FOOTAGE DRILLED | | 50 | | | 69 | | | 44 | | | | |

| DAY WORK | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|-----------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | 1350 | 64 | 1350 | 64 | 1350 | 64 | 1350 | 64 |
| ROTARY SPEED | | | | | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| WEIGHT ON BIT | | | | | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| MUD WEIGHT | | | | | 9.4 | 9.4 | 9.4 | 9.4 | 9.5 | 9.4 | 9.5 | 9.5 |
| VISCOSITY | | | | | 64 | 75 | 72 | 71 | 66 | 70 | 73 | 72 |
| W.L.F.C. | | | | | | | | | 8.8 1/2 | 8.7 1/2 | 8.7 1/2 | 8.6 1/2 |
| pH | | | | | | | | | 9.5 | 9.5 | 9.5 | 9.5 |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | HT. (IN) | HT. (FT) | HT. (IN) | HT. (FT) |
|-----|-------|--------|-------------------|----------|----------|----------|----------|
| 14 | 8 3/4 | 586 | 586-412775 | 3-11 | 26 3/4 | 5208 | 5257 |
| 14 | 8 3/4 | 586 | 586 SECURITY | 3-11 | 34 1/2 | 5327 | 275 |
| 14 | 8 3/4 | 586 | 586 | 3-11 | 40 1/2 | 5371 | 317 |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|---------------|----------------|
| DRILLER | C. HARRIS | J. FREDYK | J. KUTTER |
| DERRICKMAN | G. WRIGHT | J. SHOWERS | G. O'BRIEN |
| HELPER | E. Judson | E. BARBIZKE | WOODHAIN |
| HELPER | J. Thomas | PHIL POTTER | E. FISHERSON |
| HELPER | W. Winkler | B. TOOME | L. YOUNG |
| FIREMAN | <i>[Signature]</i> | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

OKED
 CHEMICAL
 Kind
 GEL - 10
 CAUSTIC
 RAPIDRIL
 GEL 1000
 RAPIDRIL 4
 CAUSTIC 50
 PUMP 18
 DESI

CHEVRON 50BC WM WHITEFISH YT J-70

| MATERIALS AND CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------------|--------------|-------|-------|--|
| 9.13 | TOOL 1 | 12:00 | 12:30 | DRILL |
| IR | 2 FT | 12:30 | 12:45 | RISE SER. |
| 9.14 | " | 12:45 | 5:45 | DRILL |
| FT | " | 5:45 | 6:30 | CIR & SURVEY |
| FT | | 6:30 | 8:00 | DRILL |
| 0.15 | | | | |
| 2.15 | TOOL 2 | 8:00 | 8:15 | RISE SER & BOPS |
| FT | GEL - 10 | 8:15 | 4:00 | DRILL |
| FT | CAUSTIC | | | |
| FT | RAPIDRIL | | | |
| 1.15 | | | | |
| 9.15 | TOOL 3 | 4:30 | 4:30 | DRILL |
| 0.15 | | 4:30 | 4:45 | CIR |
| FT | GEL 1000 # | 4:45 | 5:15 | SURVEY + RISE SER |
| FT | RAPIDRIL 4 # | 5:15 | 10:45 | DRILL |
| FT | CAUSTIC 50 # | 10:15 | 11:00 | CIR + SURVEY |
| FT | | 11:00 | 11:30 | DRILL |
| FT | | 11:30 | 12:00 | CIR TO TRIP FOR BIT |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

PUMP FREQ 550 AT 37 STROKES

9.5
12
86 1/2
9.5
DRILLED AHEAD BIT HIT 1/4" SLOW PENETRATION RATE AND
DEVIATION PROBLEMS SO PULLED OUT OF HOLE

HOLE CONDITION WAS GOOD.

DESIRTER MOTOR ARRIVED FROM WHITEFISH

Chas. Carlson SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Westbourne* NO. *15*

FIELD *White Fish* WELL NAME *Chevron Sobe*

DRILLING DEPENDENT COMPLETING

SEE *47* TOP

MARCH 6 1973

Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|---------------------|---------------------|---------------|----------------------|---------------|-----------------------|---------------|
| | NO. | FEET | NO. | FEET | NO. | FEET |
| STANDS <i>48</i> | | <i>4588</i> | <i>48</i> | <i>154578</i> | <i>117</i> | <i>464068</i> |
| SINGLE D.P. | | | <i>2</i> | <i>6329</i> | | |
| X-OVER SUB | | | | | | |
| OTHER | | | | | | |
| DRIFT COLLARS | | | | | | |
| DRILL COLLARS | | | | | | |
| REAMER | | <i>52560</i> | | <i>52560</i> | | <i>52560</i> |
| STABILIZER | | <i>552</i> | | <i>552</i> | | <i>552</i> |
| JARS | | | | | | |
| BUMPER SUB | | | | | | |
| BIT OR CORE BARREL | | | | | | |
| TOTAL D.P. & TOOLS | | <i>507700</i> | | <i>514019</i> | | <i>517153</i> |
| KELLY DOWN-BELLOWER | | <i>1920</i> | | <i>2420</i> | | <i>6420</i> |
| DEPTH OF TOOLS | | <i>509620</i> | | <i>516439</i> | | <i>520840</i> |

Kind
Gel Rapid Drill

*GEL-2080
RAPIDRILL 6"*

| DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------|--------------|------------|------------|------------|---------------|------------|------------|--------------|----------------|--------------|--------------|--------------|
| | 2-4 AM | 4-6 AM | 6-8 AM | 8-10 AM | 10-12 AM | 12-2 PM | 2-4 PM | 4-6 PM | 6-8 PM | 8-10 PM | 10-12 PM | 12-2 PM |
| PUMP | <i>60</i> | <i>60</i> | <i>60</i> | <i>60</i> | <i>64</i> | <i>64</i> | <i>64</i> | <i>64</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> |
| ROTARY SPEED | <i>53</i> | <i>53</i> | <i>53</i> | <i>53</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> |
| WEIGHT ON BIT | <i>20</i> | <i>20</i> | <i>20</i> | <i>20</i> | <i>20</i> | <i>25</i> | <i>25</i> | <i>25</i> | <i>25</i> | <i>25</i> | <i>25</i> | <i>25</i> |
| MUD WEIGHT | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> | <i>9.4</i> | <i>9.5</i> | <i>9.4</i> | <i>9.7</i> | <i>9.7</i> | <i>9.6</i> | <i>9.6</i> | <i>9.6</i> |
| VISCOSITY | <i>65</i> | <i>87</i> | <i>87</i> | <i>85</i> | <i>76</i> | <i>70</i> | <i>60</i> | <i>58</i> | <i>81</i> | <i>85</i> | <i>66</i> | <i>60</i> |
| W.L.F.C. | | | | | <i>8.4</i> | <i>8.4</i> | <i>8.8</i> | <i>8.8</i> | <i>8.7</i> | <i>8.7</i> | <i>7.2</i> | <i>7.2</i> |
| pH | <i>9.0</i> | | | | <i>9.0</i> | <i>9.5</i> | <i>9.5</i> | <i>10.00</i> | <i>10.00</i> | <i>10.00</i> | <i>10.00</i> | <i>10.00</i> |

PUMP
PUMP
DRILL
LOW
PLAC
MUD

| NO. | SIZE | SERIAL | BIT NO. | NO. OF TOES | FEET | REMARKS |
|-----------|--------------|---------------|------------|-------------|---------------|----------------------|
| <i>14</i> | <i>8 3/4</i> | <i>912775</i> | <i>S86</i> | <i>3-11</i> | <i>2 3/4</i> | <i>5052 5096 44</i> |
| <i>14</i> | <i>8 3/4</i> | <i>912775</i> | <i>S86</i> | <i>3-11</i> | | <i>5164 112</i> |
| <i>14</i> | <i>8 3/4</i> | <i>912775</i> | <i>S86</i> | <i>3-11</i> | <i>19 3/4</i> | <i>5164 5208 154</i> |

| SIGNATURES | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|-------------|------------------|-----|----------------------|-----|-----------------------|-------------------|
| | NO. | NO. | NO. | NO. | NO. | NO. |
| DRILLER | <i>C WARREN</i> | | <i>J FADYK</i> | | <i>J RUTANOFF</i> | |
| DERRICKMAN | <i>G WRIGHT</i> | | <i>J SHOWERS</i> | | <i>G. O'BRIAN</i> | <i>5110 1 1/2</i> |
| HELPER | <i>F Judson</i> | | <i>E BARILITKE</i> | | <i>F Judson</i> | <i>5164 1 7/8</i> |
| HELPER | <i>L Thomas</i> | | <i>PHILIP POTTER</i> | | <i>Kelly GORRISON</i> | |
| HELPER | <i>V Winkler</i> | | <i>B TOONE</i> | | <i>B TOONE</i> | |
| FIREMAN | | | | | | |
| TOOL PUSHER | <i>Winkler</i> | | | | | |

TOUR REPORT

FIELD *Whitefish* WELL NAME *Chevron 505* CONTRACTOR *Westburne* WELL NO. *47* DATE *MARCH 5* 1973

CHEVRON
MUD AND CHEMICALS
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|--------------------|---------------------|----------------------|-----------------------|
| STANDS | 448267 | 47 445104 | |
| SINGLE | | 1 3163 | |
| X-OVER SUB | | | |
| OTHER | | | |
| DRILL COLLARS | 52560 | 52560 | |
| DRILL COLLARS | | | |
| REAMER | | | |
| STABILIZER | 552 | 552 | |
| JARS | | | |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | 501379 | 501379 | |
| KELLY DOWN BELOWH | 40205 | 4020 | |
| DEPTH OF TOOLS | 505379 | 105379 | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 5053 | | |
| DEPTH START OF TOUR | 5049 | 5049 | |
| FOOTAGE DRILLED | 4 | | |

| DAY WORK | AM | AM | AM | AM | AM | AM | AM | AM | AM |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PUMP | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | |
| MUD WEIGHT | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| VISCOSITY | 57 | 57 | 58 | 57 | 66 | 65 | | | |
| W.L.F.C. | | 2 | 2 | 2 | 9.8 | 2 | | | |
| pH | | 9.0 | 9.0 | 9.5 | 9.5 | 9.5 | | | |
| MUD LEVEL IN TANKS | | | | | | | | | |

TRIP 13 8:21 913636 DSS 3-11

BEL 200*
RAPIDRIL 5*
CAC 3 SALS
TRIPPED
AND H
4452'
UIS. 7
HO FM

| CORE NO. | NO. | DEPTH | DIAMETER | REMARKS |
|----------|-----|-------|----------|---------|
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|----------------|----------------------|---------------------|---------------------|
| DRILLER | <i>Calvin Larsen</i> | <i>J Fedyk</i> | <i>C Larsen</i> |
| DERRICKMAN | <i>B Wright</i> | <i>J Showers</i> | <i>G Brian</i> |
| HELPER | <i>J Judson</i> | <i>E Babilizky</i> | <i>Pat Loughlin</i> |
| HELPER | <i>I Thomas</i> | <i>Phill Potter</i> | <i>G Jensen</i> |
| HELPER | <i>W Linkletter</i> | <i>B Toone</i> | <i>B Young</i> |
| FIREMAN | | | |
| TURBINE PUSHER | <i>A Ruffin</i> | | |

ALCOHOL
AMBIEN

CHEURON 5032 WM WHITEFISH YT 5-70

| MUD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|--------|------|-------------------------------|----------------------------------|
| Kind | Amount | From | To | WORK DONE |
| TOUR 1 | | | | |
| | | 1200 | 130 | DRILL |
| | | 130 | 200 | CIRC |
| | | 400 | 230 | THAW OUT MUD HOSE |
| | | 230 | 300 | DROP SURY & BLEW KELLY |
| | | 300 | 530 | PULL OUT |
| | | 530 | 600 | CHANGE BIT |
| | | 600 | 730 | RUN IN COLLARS & 3 STANDS |
| | | 730 | 800 | THAW OUT MUD WINE |
| TOUR 2 | | | | |
| | | 800 | 815 | PICK UP KELLY TO CIRC & CIRC |
| | | 815 | 115 | CHANGE BURNT AIR TUBE IN |
| | | 115 | 230 | HI MASTER IN COMPOUNDS |
| | | 230 | 400 | RUN IN WITH BIT #14 |
| | | | | REAM BRIDGES FROM 4480 |
| TOUR 3 | | | | |
| | | 400 | 800 | REAM FROM 4480 TO 4618 |
| | | 800 | 1015 | CIRC WORK PIPE & MIX MUD |
| BEL 1200* | | 1015 | 1200 | MIX MUD & REAM FROM 4618 TO 4680 |
| RAPIDRIL 5* | | | | |
| CHC 3 SALS. | | | | |

CEMENTING, TESTING, FORMING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES.

TRIPPED OUT FOR BIT #14 5-86. REQUIRED MUD MANIFOLD AND HIGH CLATCH ON DRAWWORKS. PON. IN. HOIE SLOUGHED 4452' - 4752'. HAD PROBLEM REAMING WITH 5-86. RAISED UIS. TO 80. LOWERED WATER LOSS FROM 14.4 - 9.6. NO FEET OF FILL ON BOTTOM.

ALCOHOL RETURN - 110°F
 AMBIENT - 24°F

John O'Brien

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Westbourne* RIG NO. *12*

FIELD *White Fish* WELL NAME *Clouston Subc* SEC *4* TWP *W* DATE *March 6* 19*73*

CHEVRON
MUD and CHEMICALS
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|---------------------|---------------------|----------------------|-----------------------|
| STANDS | NO 45 432667 FT | NO 46 435817 FT | NO 47 448267 FT |
| SINGLE | NO 2 | NO 2 | |
| X OVER SUB | | | |
| OTHER | | | |
| DRILL COLLARS | 17 7 | 17 | |
| DRILL COLLARS | | | |
| REAMER | 7 | | |
| STABILIZER | | | |
| JARS | | | |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | 486332 | 495062 | 501377 |
| KELLY DOWN BELOW RB | 2020 | 2820 | 3620 |
| DEPTH OF TOOLS | 487804 | 497882 | 504994 |

TOUR 1
LW 2
GEL - 12 SA
RAPIDRIL 6lb
CAUSTIC - 50
WATER

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 4878 | 4978 | 5047 |
| DEPTH START OF TOUR | 4815 | 4878 | 4978 |
| FOOTAGE DRILLED | 63 | 100 | 71 |

WATER 1" STAG

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM | 10:00 AM | 11:30 AM | 1:00 PM | 2:30 PM | 4:00 PM | 5:30 PM | 7:00 PM |
| PUMP | 130 | 130 | 145 | 145 | 145 | 145 | 145 | 140 | 140 | 140 | 140 | 140 |
| ROTARY SPEED | 40 | 56 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| WEIGHT ON BIT | | | 22 | 22 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| MUD WEIGHT | | | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| VISCOSITY | 55 | 54 | 45 | 45 | 46 | 45 | 45 | 47 | 46 | 46 | 48 | 51 |
| W.L.F.C. | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |

GEL 16 SA
RAPIDRIL 8 #
WATER 1" STAG

| NO. | SIZE | SERIAL | BIT # | START | STOP | FOOTAGE |
|-----|-------|--------|-------|-------|-------|---------------|
| 13 | 8 3/4 | 913636 | D 55 | 3:11 | 8:17 | 4878 81 |
| 13 | 8 3/4 | 913636 | D 55 | 3:11 | 14:14 | 4878 4978 181 |

| CORE NO. | NO. | DATE | TIME | DEPTH | REMARKS |
|----------|-----|------|------|-------|---------|
| | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|------------|-----------------|---------------|-----------------|
| DRILLER | <i>Clouston</i> | J FEDYK | <i>Clouston</i> |
| DERRICKMAN | G Wright | J SHOWERS | G ORLAND |
| HELPER | Julson | E BABILIZKY | Pat Kouchlin |
| HELPER | J Thomas | PHIL POTTER | Guy Tooberson |
| HELPER | W. Kinkler | B TOONE | B. Young |
| FIREMAN | | | |
| PUSHER | PR Chamber | | |

ALCOHOL
AMBIENT

CHEVRON 5000 WY WHITEFISH YT I-70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|------------------------------|--------|------|------|--|
| Kind | Amount | | | |
| TOUR 1 | | 130 | 130 | Drill |
| | | 130 | 300 | Rig Ser install chain in |
| | | 300 | 700 | AD1 Pump Drive |
| | | 700 | 715 | Drill |
| | | 715 | 800 | Change over Pumps |
| | | | | Drill |
| TOUR 2 | | 800 | 845 | CIRC & SURVEY |
| GEL - 12 SAK | | 845 | 200 | DRILL |
| RAPIDRILL 6 lbs | | 200 | 245 | CIRC & SURVEY |
| CAUSTIC - 50 ² | | 245 | 400 | DRILL |
| WATER | | | | |
| TOUR 3 | | 400 | 415 | Rig Ser & BOPS |
| | | 415 | 715 | DRILL |
| GEL - 16 SAK | | 715 | 200 | CIRC SURVEY |
| RAPIDRILL 8 # | | 200 | 415 | Change over Pumps |
| WATER 1 st STREAM | | 415 | 1200 | DRILL |

CEMENTING, TIEBACK, CHANGES, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DRIFTED AHEAD WITH BIT #13
 BROUGHT DEVIATION BACK TO 1 1/8"

ALCOHOL RETURNS -5°F

AMBIENT -25°F

[Signature] SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *Westbourne* RIG NO. *15*

FIELD *White Fish* WELL NAME *Chasen Sobe* LTD

SEC *YT* TWP

[] DRILLING [] DEEPENING [] COMPLETING

[] REDRILLING [] ABANDONING [] REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

March 3 1973

CHEV
MUD and CHEM
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|--------------------------|---------------------|------------------|----------------------|------------------|-----------------------|------------------|
| STANDS D.P. | NO. <i>44</i> | <i>417118</i> FT | NO. <i>44</i> | <i>426848</i> FT | NO. | <i>423910</i> FT |
| SINGLE D.P. | NO. <i>1</i> | <i>310</i> FT | NO. <i>2</i> | <i>6370</i> FT | NO. | <i>3144</i> FT |
| X OVER SUB O.D. | | | | | | |
| OTHER O.D. | | | | | | |
| DRILL COLLARS O.D. | | | | | | |
| DRILL COLLARS O.D. | NO. <i>1</i> | <i>52560</i> FT | NO. | <i>52560</i> FT | NO. | <i>52560</i> FT |
| REAMER O.D. | KIND | | KIND | | KIND | |
| STABILIZER <i>7</i> O.D. | KIND | | KIND | <i>552</i> | KIND | <i>552</i> |
| JARS | KIND | | KIND | | KIND | |
| BUMPER SUB | KIND | | KIND | | KIND | |
| BIT OR CORE BARREL | | | | | | |
| TOTAL D.P. & TOOLS | | <i>472563</i> FT | | <i>486320</i> FT | | <i>479494</i> FT |
| KELLY DOWN BELOW R.B. | | <i>3120</i> FT | | <i>3468</i> FT | | <i>320</i> FT |
| DEPTH OF TOOLS | | <i>475983</i> FT | | <i>479798</i> FT | | <i>481274</i> FT |
| TOUR | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | <i>4760</i> FEET | | <i>4797</i> FEET | | <i>4812</i> FEET |
| DEPTH START OF TOUR | | <i>4694</i> FEET | | <i>4760</i> FEET | | <i>4797</i> FEET |
| FOOTAGE DRILLED | | <i>66</i> FEET | | <i>37</i> FEET | | <i>16</i> FEET |

| DAY WORK | HOURS | | | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM |
| PUMP | | | | | <i>1400</i> | <i>1400</i> | | |
| ROTARY SPEED R.P.M. | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | | |
| WEIGHT ON BIT M lbs. | <i>20</i> | <i>20</i> | <i>20</i> | <i>20</i> | <i>20</i> | <i>20</i> | | |
| MUD WEIGHT lb gal | | | | | <i>9.2</i> | <i>9.2</i> | | |
| VISCOSITY sec qt | <i>4</i> | <i>4</i> | <i>4</i> | <i>5</i> | <i>54</i> | <i>55</i> | | |
| W.L.F.C. 32nd | | | | | | | <i>11.7</i> | <i>11.4</i> |
| pH | | | | | | | <i>9.5</i> | <i>9.5</i> |
| MUD LEVEL IN TANKS Ft. lbs. | | | | | | | | |

| NO. | SIZE | SERIAL | BIT WEIGHT | DEPTH | TIME | REMARKS |
|-----------|--------------|---------------|-------------|-------------|------------|----------------------------|
| <i>12</i> | <i>8 3/4</i> | <i>411448</i> | <i>288</i> | <i>3-11</i> | <i>477</i> | <i>4760</i> <i>4797</i> |
| <i>13</i> | <i>8 3/4</i> | <i>913636</i> | <i>1055</i> | <i>3-11</i> | <i>477</i> | <i>4797</i> |
| CORE No. | No. | LIST No. | DEPTH | TIME | REMARKS | |
| TYPE | | PREFLOW | | | | |
| FROM | | EST | | | | |
| TO | | V.O. | | | | |
| Recovery | | EST | | | | |
| HOURS | | RECOVERY | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|--------------------|------------------|
| DRILLER | <i>C. Larsen</i> | <i>J. Fedyk</i> | <i>C. Larsen</i> |
| DERRICKSMAN | <i>G. Wright</i> | <i>J. Showers</i> | <i>G. Wright</i> |
| HELPER | <i>F. Jussan</i> | <i>K. Babitzke</i> | <i>4790</i> |
| HELPER | <i>W. Thomas</i> | <i>B. Toone</i> | <i>3</i> |
| HELPER | <i>W. Winkler</i> | <i>Phil Potter</i> | <i>4790</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>C. R. Shamus</i> | | |

TOUR 1
GEL
K. PIDKIL

TOUR 2

RE 3

STRAP
BORRIS

PUAP H
PUAP H

DRILLED
DROP 50
7" DRILL
WITH ST
BIT # 1

HOPE GO
NO PROG

QUERTIM

CHEVRON SOAP W/M WHITEFISH YT 5-70.

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|----------|-------|-------|--|
| 1973 | Kind | | | |
| 0 FT | TOUR 1 | 1200 | 2 45 | DRILL |
| 4 FT | GEL | 2 45 | 3 30 | Change Pack in MVI Pump |
| | RAPIDKIL | 3 30 | 4 45 | Put No 2 on hole |
| | | 4 45 | 5 30 | DRILL |
| | | 5 30 | 8 00 | SER RIGID CIRC SURVEY |
| | | | | DRILL |
| 0 FT | TOUR 2 | 8 00 | 8 15 | RIG SER & BOPS |
| 2 FT | | 8 15 | 12 15 | DRILL |
| | | 12 15 | 12 45 | CIRC |
| | | 12 45 | 1 00 | DROP SURVEY |
| | | 1 00 | 4 00 | TRIP OUT FOR BIT STAP OUT |
| 4 FT | TOUR 3 | 4 00 | 6 00 | PICK UP STABILIZER & CHANGE |
| | | 6 00 | 8 00 | CUTTERS |
| | | 8 00 | 10 00 | RUN IN |
| | | 10 00 | 12 00 | Clean to Bottom |
| | | | | DRILL |

CONTINUE TO USE FORM FOR DETAILS, INCLUDING ENGINEERING COMMENTS

STAP OUT 4799.09
 BORRIS 4797.98
1.11

PUMP HALF SPEED 311
 PUMP HALF PRESSURE 650

DRILLED AHEAD WITH BIT #12. CIRCULATE 1/2 HOUR FOR TRIP. DROP SURVEY. TRIP OUT BIT #12. DEVIATION 3°. PICKED UP 7" DRILCO STABILIZER CHANGED CUTTERS. RAN IN WITH DSE WITH STABILIZER 90 FEET UP. DRILLED AHEAD WITH BIT # 13.

HOLE CONDITION - FIRST 4 STANDS WERE TIGHT. NO PROBLEM GETTING IN WITH STABILIZER ON.

OVERTIME FOR WORKING ON PUMP

Chas. Olson SIGNATURE LICENSED ENGINEER

TOUR REPORT

CONTRACTOR *Westburne*

LOG NO. *15*

FIELD *White Fish* WELL NAME *CHUAON 30BC*

END *YT* SEC *J70* TWP

RANGE *W*

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 M DAILY

March 2 1973

CHEUR

MUD and CHEMICALS

Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|------------------------|---------------------|------------------|----------------------|------------------|-----------------------|------------------|
| STANDS <i>112 D.P.</i> | NO | <i>397985</i> FT | NO <i>42</i> | <i>397985</i> FT | NO <i>43</i> | <i>407374</i> FT |
| SINGLE D.P. | NO | | <i>2</i> | <i>6333</i> FT | <i>2</i> | <i>6312</i> FT |
| X OVER SUB O.D. | | | | | | |
| OTHER O.D. | | | | | | |
| DRILL COLLARS O.D. | | | | | | |
| DRILL COLLARS O.D. | NO <i>17</i> | <i>52560</i> FT | NO <i>17</i> | <i>52560</i> FT | NO | <i>52560</i> FT |
| REAMER O.D. | KIND | | KIND | | KIND | |
| STABILIZER O.D. | KIND | | KIND | | KIND | |
| JARS | KIND | | KIND | | KIND | |
| BUMPER SUB | KIND | | KIND | | KIND | |
| BIT OR CORE BARREL | | | | | | |
| TOTAL D.P. & TOOLS | | <i>402005</i> FT | | <i>456878</i> FT | | <i>413291</i> FT |
| KELLY DOWN BELOW R.B. | | <i>1060</i> FT | | <i>3100</i> FT | | <i>3720</i> FT |
| DEPTH OF TOOLS | | <i>431165</i> FT | | <i>459978</i> FT | | <i>40291</i> FT |
| TOUR | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | <i>4514</i> FEET | | <i>4599</i> FEET | | <i>4599</i> FEET |
| DEPTH START OF TOUR | | <i>4100</i> FEET | | <i>4514</i> FEET | | <i>4699</i> FEET |
| FOOTAGE DRILLED | | <i>114</i> FEET | | <i>85</i> FEET | | <i>99</i> FEET |

TOUR 1

611
8301111

TOUR 2

6K L - 8 JA
*RAPIDRILL 4**
CAUSTIC - 50

TOUR 3

6K 800#
*RAPIDRILL 4**
1" STREAM WATER

| DAY WORK | MORNING | | | | | AFTERNOON | | | | | |
|--------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM |
| PUMP | <i>67</i> | <i>67</i> | <i>67</i> | <i>67</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> |
| ROTARY SPEED | | | <i>56</i> | <i>56</i> | <i>56</i> | | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | |
| WEIGHT ON BIT | | | <i>25</i> | <i>22</i> | <i>22</i> | | <i>22</i> | <i>20</i> | | | |
| MUD WEIGHT | | | | | | <i>9.2</i> | <i>9.2</i> | <i>9.2</i> | <i>9.2</i> | <i>9.2</i> | |
| VISCOSITY | | <i>41</i> | <i>48</i> | <i>49</i> | <i>52</i> | <i>50</i> | <i>45</i> | <i>44</i> | <i>43</i> | <i>45</i> | |
| W.L.F.C. | | | | | | <i>11.2</i> | <i>11.2</i> | <i>11.2</i> | <i>11.2</i> | <i>11.2</i> | |
| pH | | | | | | <i>10</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | |
| MUD LEVEL IN TANKS | | | | | | | | | | | |

PUMP
HAIR

DRILL

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REMARKS |
|-----------|--------------|---------------|---------------------|-------------|
| <i>12</i> | <i>8 3/4</i> | <i>114468</i> | <i>S 88</i> | <i>5-11</i> |
| <i>12</i> | <i>8 3/4</i> | <i>414465</i> | <i>SSS SECURITY</i> | <i>3-11</i> |
| <i>11</i> | <i>11</i> | <i>11</i> | <i>11</i> | <i>11</i> |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|--------------------|-------------------|
| DRILLER | <i>C. Hansen</i> | <i>J FEENE</i> | <i>C. Hansen</i> |
| DERRICKMAN | <i>G. Wright</i> | <i>J. SHOWERS</i> | <i>G. Wright</i> |
| HELPER | <i>F. Judson</i> | <i>E. BABILZKY</i> | <i>F. Judson</i> |
| HELPER | <i>W. Winkler</i> | <i>B. TOONE</i> | <i>W. Winkler</i> |
| HELPER | <i>J. Thomas</i> | | <i>J. Thomas</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>W. Winkler</i> | | |

TOTAL *4450* *2 3/4*
41544 *2 3/4*
41570 *2 1/2*
4630 *2 3/4*

ALCONOX

CHEVRON SOAP WA WHITEFISH YT J-70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|-----------------|-------|-------|--|
| Kind | Amount | | | |
| 9 23 | | 1200 | 1300 | Drill |
| JR | TOUR 1 | 300 | 315 | Big SEA - Circ Survey |
| 4 FT | CEL | 3 45 | 4 15 | Drill |
| 7 FT | RAPIDRILL | 7 15 | 7 45 | Circ Survey |
| FT | | 7 45 | 8 00 | Drill |
| FT | | | | |
| FT | | | | |
| 0 FT | | | | |
| FT | TOUR 2 | 800 | 8 15 | Big SEA & BOPS KELLY COCK |
| FT | CEL - 8 SAX | 8 15 | 12 15 | Drill |
| FT | RAPIDRILL 4# | 12 15 | 1 00 | Circ & SURV |
| FT | CAUSTIC - 50 | 1 00 | 1 45 | Drill |
| FT | | 1 45 | 3 15 | REPAIR CHAIN IN COMPOND |
| 1 FT | | 3 15 | 4 00 | Drill |
| 0 FT | | | | |
| 1 FT | TOUR 3 | 400 | 4 15 | Big SEA & BOPS |
| FT | CEL 800# | 4 15 | 7 00 | Circ & SURVEY DRILL |
| FT | RAPIDRILL 4# | 7 00 | 7 30 | Circ + SURVEY |
| FT | 1" STREAM WATER | 7 30 | 12 00 | Drill |

CEMENTING, TESTING, TIRING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

PUMP HALF SPEED 34
 HALF PUMP PRESS 650.

DRAWN AHEAD WITH BIT # 12

ALCOHOL RETURNS - 2 OF
 AMBIENT - 12 OF

Albert Anderson
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *G.P.*

WELL NO. *15*

FIELD _____ WELL NAME _____ USD _____ SEC _____ TWP _____

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

DATE OF HOUR (EVENING 12 MIDNIGHT)

MARCH 1 1923

CHEVRON
MUD and CHEMICAL
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|----------------|---------------|----------------------|---------------|---------------|-----------------------|---------------|------|
| STANDS | D.P. | NO. <i>38</i> | FEET | NO. <i>39</i> | FEET | NO. <i>40</i> | FEET | <i>379055</i> | FEET |
| SINGLE | D.P. | NO. <i>2</i> | <i>366413</i> | NO. <i>1</i> | <i>372439</i> | NO. <i>2</i> | <i>6299</i> | | |
| X OVER SUB | O.D. | | | | | | | | |
| OTHER | O.D. | | | | | | | | |
| DRILL COLLARS | O.D. | <i>2 1/8 7</i> | <i>17</i> | <i>52560</i> | <i>5256</i> | <i>17</i> | <i>52560</i> | | |
| DRILL COLLARS | O.D. | NO. | FEET | NO. | FEET | NO. | FEET | | |
| REAMER | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | | |
| STABILIZER | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | | |
| JARS | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | | |
| BUMPER SUB | O.D. | KIND | FEET | KIND | FEET | KIND | FEET | | |
| BIT OR CORE BARREL | O.D. | | | | | | | | |
| TOTAL D.P. & TOOLS | | | <i>418973</i> | | <i>425217</i> | | <i>437814</i> | | |
| KELLY DOWN (BELOW R.B.) | | | <i>43028</i> | | <i>3220</i> | | <i>2120</i> | | |
| DEPTH OF TOOLS | | | <i>422001</i> | | <i>425018</i> | | <i>440034</i> | | |
| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | | <i>4220</i> | | <i>4233</i> | | <i>4460</i> | | |
| DEPTH START OF TOUR | | | <i>4174</i> | | <i>4220</i> | | <i>4285</i> | | |
| FOOTAGE DRILLED | | | <i>416</i> | | <i>65</i> | | <i>115</i> | | |

TOUR 1
GEL
CAUSTIC
RAPID DRILL

TOUR 2

TOUR 3
GEL
RAPID DRILL
CAUSTIC

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> | <i>68</i> |
| ROTARY SPEED | <i>56</i> | <i>56</i> | <i>51</i> | <i>56</i> | <i>52</i> | <i>52</i> | <i>52</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> |
| WEIGHT ON BIT | <i>18</i> | <i>18</i> | <i>18</i> | <i>18</i> | <i>20</i> | <i>25</i> | <i>25</i> | <i>25</i> | <i>25</i> | <i>28</i> | <i>28</i> | <i>28</i> |
| MUD WEIGHT | <i>9.3</i> | <i>9.4</i> | <i>9.4</i> | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> | <i>9.2</i> | <i>9.2</i> | <i>9.2</i> |
| VISCOSITY | <i>44</i> | <i>43</i> | <i>50</i> | <i>54</i> | <i>47</i> | <i>49</i> | <i>49</i> | <i>44</i> | <i>50</i> | <i>54</i> | <i>49</i> | <i>48</i> |
| W.L.F.C. | <i>752</i> | <i>732</i> | <i>752</i> | <i>732</i> | | | | | | | | <i>11.0</i> |

pH *8.5*

MUD LEVEL IN TANKS *60*

| NO. | SIZE | SERIAL | DATE | TIME | REMARKS |
|-----------|--------------|---------------|------------------|-------------|-------------|
| <i>12</i> | <i>8 3/4</i> | <i>411468</i> | <i>SEC. 5.88</i> | <i>3-11</i> | <i>4123</i> |
| <i>12</i> | <i>8 3/4</i> | <i>414468</i> | <i>5.88</i> | <i>3-11</i> | <i>4400</i> |

| CORE NO. | NO. | DATE | TIME | REMARKS |
|----------|-----|------|------|---------------|
| | | | | <i>Runing</i> |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|-------------------|--------------------|
| DRILLER | <i>G. SKINNER</i> | <i>C. Johnson</i> | <i>J. FEDYK</i> |
| DEBURRMAN | <i>J. SHOWERS</i> | <i>G. Wright</i> | <i>J. SHOWERS</i> |
| PREP | <i>R. L. ...</i> | <i>F. Judson</i> | <i>E. BABITZKE</i> |
| HELPER | <i>R. Low...</i> | <i>W. Winkler</i> | <i>PHIL POTTER</i> |
| HELPER | <i>Allen</i> | <i>High</i> | <i>J. Thomas</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

4198 20
4261 20
4315 20
4380 24

Alcohol R...
AM...

CHEVRON SOBC 2 WHITE FISH ST. I. 70

73
 5 FT
 9 FT
 0 FT
 4 FT
 0 FT
 4 FT
 56
 28
 7.2
 1.0
 0
 0

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|-------|-------|
| Kind | Amount | | |
| TOUR 1 | | 12 00 | 3 15 |
| GEL | 12 in | 3 15 | |
| CAUSTIC | 50 | | |
| RAPID DRAIN | 6 lb | 11 30 | 4 30 |
| TOUR 2 | | 9 00 | 8 45 |
| | | 9 45 | 1 15 |
| | | 9 15 | 11 30 |
| | | 11 30 | 11 45 |
| | | 10 45 | 1 15 |
| | | 1 15 | 2 00 |
| | | 2 00 | 4 00 |
| TOUR 3 | | 4 00 | 4 15 |
| GEL | 1200 | 4 15 | 6 30 |
| RAPID DRAIN | 6 | 6 30 | 7 15 |
| CAUSTIC | 50 | 7 15 | 10 45 |
| | | 10 45 | 11 30 |
| | | 11 30 | 12 00 |

OTHER HOURLY OPERATING DETAIL
 WORK DONE

DRILL
 CIR SURVEY CHANGE GLAND
 PACKING N. 2 PUMP. INSTALL
 NEW SAPHIRAGY IN PUMP
 TO CO PULSER RIG SERI
 DRILL

DRILL
 CON SER RIG 4 130 PS
 DRILL
 CHANGE OVER PUMPS
 DRILL
 CON CIR SURVEY
 DRILL

RIG SER 4 130 PS
 DRILL
 CIR & SURV
 DRILL
 CIR & SURVEY
 DRILL

GENERAL TESTS & RECORDS FOR DETAILS INCLUDING ENGINEERING SUMMARIES

Pump HALF SPEED 3/4
 HALF PUMP PRESS 650

INCREASED WEIGHT ON BIT TO 28 M. DEVIATION
 INCREASED TO 2 1/4°. DRILLED AHEAD.

ALCOHOL RETURNS OOR
 AMBIENT -100F

Chris Anderson

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *JPP* REF NO *15*

CHEVRO
MUD and CHEMICALS
Kind

FIELD _____ WELL NAME _____ LOCATION _____ TWP _____ R. _____ S. _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING
 FEET OR HOURS ENDING AT *Feb 28* 19*73*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|---------------------------------|---------------------|------|-----|----------------------|-----|------|-----------------------|------|--|
| STANDS <i>37</i> D.P. NO. _____ | NO. | FEET | NO. | FEET | NO. | FEET | NO. | FEET | |
| SINGLE <i>2</i> D.P. NO. _____ | NO. | FEET | NO. | FEET | NO. | FEET | NO. | FEET | |
| X OVER SUB O.D. | | FEET | | FEET | | FEET | | FEET | |
| OTHER O.D. | | FEET | | FEET | | FEET | | FEET | |
| DRILL COLLARS O.D. | | FEET | | FEET | | FEET | | FEET | |
| DRILL COLLARS O.D. | | FEET | | FEET | | FEET | | FEET | |
| REAMER O.D. | | FEET | | FEET | | FEET | | FEET | |
| STABILIZER O.D. | | FEET | | FEET | | FEET | | FEET | |
| JARS | | FEET | | FEET | | FEET | | FEET | |
| BUMPER SUB | | FEET | | FEET | | FEET | | FEET | |
| BIT OR CORE BARREL | | FEET | | FEET | | FEET | | FEET | |
| TOTAL D.P. & TOOLS | | FEET | | FEET | | FEET | | FEET | |
| KELLY DOWN (BELOW H.B.) | | FEET | | FEET | | FEET | | FEET | |
| DEPTH OF TOOLS | | FEET | | FEET | | FEET | | FEET | |
| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | FEET | | FEET | | FEET | | FEET | |
| DEPTH START OF TOUR | | FEET | | FEET | | FEET | | FEET | |
| FOOTAGE DRILLED | | FEET | | FEET | | FEET | | FEET | |

TOUR 1
TOUR 2
TOUR 3
GEL
RAPID
CAUSTIC

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|------------|-------------|-------|------|------|------|------|------|------|------|------|------|
| | 10 AM | 11 AM | 12 AM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM | 6 PM | 7 PM | 8 PM | 9 PM |
| PUMP | <i>109</i> | <i>1100</i> | | | | | | | | | | |
| ROTARY SPEED | <i>120</i> | | | | | | | | | | | |
| WEIGHT ON BIT | <i>12</i> | | | | | | | | | | | |
| MUD WEIGHT | <i>9.4</i> | | | | | | | | | | | |
| VISCOSITY | <i>43</i> | | | | | | | | | | | |
| W.L. FC | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | DATE | NO. | NO. | NO. |
|-----------|--------------|----------------|---------------------|-------------|-------------|-------------|----------------|
| <i>11</i> | <i>8 3/4</i> | <i>4147436</i> | <i>SS 16</i> | <i>3-11</i> | <i>22</i> | <i>2945</i> | <i>4123110</i> |
| <i>12</i> | <i>8 3/4</i> | <i>414468</i> | <i>S88 SECURITY</i> | <i>3-11</i> | <i>4123</i> | <i>4179</i> | <i>51</i> |

| CORE No. | No. | DATE | TYPE | FROM | TO | RECOVERY | HOURS |
|----------|-----|------|------|------|----|----------|-------|
| | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|--------------------|--------------------|
| DRILLER | <i>G SKINNER</i> | <i>C WARREN</i> | <i>J FEDYK</i> |
| DERRICKMAN | <i>J SHOWERS</i> | <i>G WRIGHT</i> | <i>E BABITZKE</i> |
| HELPER | <i>Ron Longhead</i> | <i>Judson</i> | <i>B TOONE</i> |
| HELPER | <i>ALLAN HIGGINS</i> | <i>W Warkleter</i> | <i>PHIL POTTER</i> |
| HELPER | | <i>Tommas</i> | <i>E WILSON</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

FIELD NO. _____
AMOUNT _____

CHEVRON SOBC. W/772 WHITE FISH Y. J. '10

| MUD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|----------|------|-------------------------------|---|
| Kind | Amount | From | To | WORK DONE |
| 1913 | | | | |
| DUR | | | | |
| TOUR 1 | | | | |
| 8 FT | | 1200 | 1115 | DRILL DROP SURVEY & Blow Kelly TRIP OUT AT 4123. ST. RND WORK THROUGH TIGHT HOLE INSTALL NEW OIL LINES ON COMPOUND REPAIR TORQUE M/TABLE CHANGE SEAT IN Pump "COULD NOT PULL SEAT" |
| 3 FT | | 1115 | 1130 | |
| FT | | 1130 | | |
| FT | | 1100 | 1130 | |
| 0 FT | | | 800 | |
| TOUR 2 | | | | |
| FT | | 800 | | SERV. Rig & REPAIR Pump & Rotary Chain Run in New Bit Clean to Bottom DRILL WORK on Pump DRILL |
| FT | | | 1145 | |
| FT | | 1145 | 100 | |
| FT | | 100 | 1145 | |
| FT | | 1145 | 200 | |
| 1 FT | | 200 | 300 | |
| FT | | 300 | 400 | |
| TOUR 3 | | | | |
| FEET | GEL | 1200 | 400 | RIG SER. & BOPS DRILL CIRC & SURVEY DRILL |
| FEET | RAPIDAIL | 6" | 445 | |
| FEET | CAUSTIC | 50" | 1015 | |
| FEET | | | 1045 | |
| FEET | | | 1045 | |
| FEET | | | 1200 | |

| CEMENTING, TAPPING, FINISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES | | | | |
|---|-----|--|--|--|
| 68 | 100 | | | |
| 56 | | | | |
| 20 | | | | |
| 9.3 | | | | |
| 45 | | | | |
| 5 | | | | |
| 2 1/2 | | | | |
| 12.2 | | | | |
| 0.0 | | | | |
| - | | | | |
| 250 | | | | |
| 20 | | | | |

RECORDER RETURN 0°F
 AMBIENT -17°F.

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GP**

RIG NO **15**

CHEVRON
MUD and CHEMICALS
Kind

FIELD _____ WELL NAME _____ LSD _____ SEC _____ TWP _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 27 1973**

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|---------------------------|----------------------------|--------------------------------|--------------------------------|
| STANDS 36 DP | NO _____ FT | NO 37 35074.0 FT | NO 37 35076.0 FT |
| SINGLE 2 DP | NO 34439.5 FT | NO _____ FT | NO 2 6149 FT |
| X OVER SUB OD | _____ FT | _____ FT | _____ FT |
| OTHER OD | _____ FT | _____ FT | _____ FT |
| DRILL COLLARS 7 OD | 17 5256.0 FT | 5256.0 FT | 5256.0 FT |
| DRILL COLLARS OD | NO _____ FT | NO _____ FT | NO _____ FT |
| REAMER OD | KIND _____ FT | KIND _____ FT | KIND _____ FT |
| STABILIZER OD | KIND _____ FT | KIND _____ FT | KIND _____ FT |
| JARS _____ | KIND _____ FT | KIND _____ FT | KIND _____ FT |
| BUMPER SUB _____ | _____ FT | _____ FT | _____ FT |
| BIT OR CORE BARREL _____ | _____ FT | _____ FT | _____ FT |
| TOTAL DP & TOOLS | 33889.5 | 35476.0 | 40944.9 |
| KELLY DOWN BELOW RB | 1020 | 4020 | 2200 |
| DEPTH OF TOOLS | 44089.5 | 4073.2 | 4116.4 |
| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
| DEPTH END OF TOUR | 4009 FEET | 4073 FEET | 4116 FEET |
| DEPTH START OF TOUR | 3945 FEET | 4009 FEET | 4073 FEET |
| FOOTAGE DRILLED | 64 FEET | 64 FEET | 43 FEET |

TOUR 1
GEL CAUSTIC RAPID-DRILL

TOUR 2

TOUR 3
GEL RAPIDRILL CAUSTIC

| DAY WORK | HOURS | | | | | | | | | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-----------|----------|----------|---------|---------|-------------|-------------|-------------|-------------|-------------|
| | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM | 10:00 AM | 11:30 AM | 1:00 PM | 2:30 PM | 4:00 PM | 5:30 PM | | | |
| PUMP | 1100 | 1375 | 1100 | 1100 | | | | | | 1200 | 1200 | 1200 | 1400 | 1400 |
| ROTARY SPEED | 150 | 120 | 120 | 120 | | | | | | 120 | 120 | 120 | 120 | 120 |
| WEIGHT ON BIT | 15 | 15 | 20 | 20 | 15 | | | | | 15 | 15 | 15 | 15 | 12 |
| MUD WEIGHT | 9.1 | 9.2 | 9.2 | 9.2 | | | | | | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| VISCOSITY | 38 | 43 | 43 | 43 | | | | | | 39 | 41 | 43 | 45 | 44 |
| WL F C | | | | | | | | | | 2.32 | | | | |
| pH | | 9.2 | | | | | | | | 9.0 | 9.0 | 9.0 | 9.0 | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REMARKS | START TIME | STOP TIME | FOOTAGE | REMARKS |
|-----------|--------------|---------------|-------------------|---------|-------------|-------------|-----------|-----------|
| 11 | 8 3/4 | 111726 | SS. IG | | 3945 | 4009 | 64 | IN |
| 11 | 8 3/4 | 11 | 11 | | 4009 | 4073 | 64 | IN |
| 11 | 8 3/4 | 11 | 11 | | 4073 | 4116 | 43 | |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY | HOURS |
|------|-----|-----|---------|------|----|----------|-----------|
| | | | | | | | 15 |
| | | | | | | | 40 |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR | DEVIATION RECORD |
|-------------|----------------------|---------------------|--------------------|----------------------|
| DRILLER | GARRY SKINNER | C W ARSEN | J FEDYK | |
| DERRICKMAN | JOHN SHAWERS | G WRIGHT | E BABITZKE | ToTCO 3949 30 |
| HELPER | D. J. ... | F JUDSON | B T | 3977 25 |
| HELPER | R. ... | W. Winkleter | PHIL POTTER | 11009 2 3/4 |
| HELPER | A. ... | I THOMAS | TED WILSON | 4040 1/2 |
| FIREMAN | | | | 4095 2 1/4 |
| TOOL PUSHER | ... | | | |

ALCOHOL INDICENT

CHEVRON Subc. W/M White Fish YF J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To | WORK DONE |
|-------------------------|--------------------------|-----------------|-------|--|
| Kind | Amount | | | |
| 1973 | | 12:00 | 12:30 | DRILL CIR. HOLE & SURVEY RIG SER DRILL CIR & SURVEY DRILL CIR & SURVEY DRILL |
| TOUR 1 | | 12:30 | 1:00 | |
| 60 FT | GEL 1000 LBS | 1:30 | 3:00 | |
| 49 FT | CAUSTIC 50 LBS | 3:00 | 3:30 | |
| FT | RAPID-DRILL 2 LBS | 3:30 | 6:00 | |
| FT | | 6:00 | 6:30 | |
| 60 FT | | 6:30 | 8:00 | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| TOUR 2 | | 1:00 | | DRILL CIR SURVEY SER RIG DRILL |
| FT | | 1:15 | | |
| FT | | 8:00 | 11:15 | |
| FT | | 11:15 | 11:45 | |
| FT | | 11:45 | 12:00 | |
| 49 FT | | 12:00 | 4:00 | |
| 00 FT | | | | |
| 49 FT | | | | |
| TOUR 3 | | 4:00 | 4:15 | RIG SER & ROPS DRILL CIR & SURVEY DRILL |
| FT | GEL 1500 ⁺ | 4:15 | 9:30 | |
| FT | RAPIDRILL 8 ⁺ | 9:30 | 10:15 | |
| FT | CAUSTIC 50 ⁺ | 9:15 | 12:00 | |

CONTINUED LISTING FISHING OPERATIONAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

1400
 126
 12
 92
 44

 20
 5
 12.8
 5
 40
 230
 30
 25
 2 3/4
 1/2
 24

ALCOHOL CIR. RT. -28°F
 AMBIENT -40°F


 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

GP

RIG NO 15

FIELD DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

WELL NAME

LSD SEC TWP

Rip W

FOR 24 HOURS ENDING AT MIDNIGHT **FEB 26 1973**

CHEVRON

MUD and CHEMICALS

Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | |
|-------------------------|------|---------------------|--|--|----|----------------------|--|--|----|-----------------------|----|----|------|----|----|
| STANDS | D.P. | NO | | | FT | NO | | | FT | NO | 35 | 33 | 17 | 18 | FT |
| SINGLE | D.P. | NO | | | FT | NO | | | FT | NO | 2 | | 63 | 33 | FT |
| X OVER SUB | O.D. | | | | FT | | | | FT | | | | | | FT |
| OTHER | O.D. | | | | FT | | | | FT | | | | | | FT |
| DRILL COLLARS | O.D. | | | | FT | | | | FT | 17 | | | 525 | 60 | FT |
| DRILL COLLARS | O.D. | NO | | | FT | NO | | | FT | NO | | | | | FT |
| REAMER | O.D. | KIND | | | FT | KIND | | | FT | KIND | | | | | FT |
| STABILIZER | O.D. | KIND | | | FT | KIND | | | FT | KIND | | | | | FT |
| JARS | | KIND | | | FT | KIND | | | FT | KIND | | | | | FT |
| BUMPER SUB | | KIND | | | FT | KIND | | | FT | KIND | | | | | FT |
| BIT OR CORE BARREL | | | | | FT | | | | FT | | | | | | FT |
| TOTAL D.P. & TOOLS | | | | | FT | | | | FT | | | | | | FT |
| KELLY DOWN (BELOW H.B.) | | | | | FT | | | | FT | | | | | | FT |
| DEPTH OF TOOLS | | | | | FT | | | | FT | | | | 39 | 60 | FT |
| | | | | | FT | | | | FT | | | | 3945 | 11 | FT |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | 3945 | |
| DEPTH START OF TOUR | | | 3945 |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | / | | | | | | | | | | | |
| ROTARY SPEED | / | | | | | | | | | | | |
| WEIGHT ON BIT | / | | | | | | | | | | | |
| MUD WEIGHT | / | | | | | | | | | | | |
| VISCOSITY | / | | | | | | | | | | | |
| W.L.F.C. | / | | | | | | | | | | | |
| pH | / | | | | | | | | | | | |
| MUD LEVEL IN TANKS | / | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | DEPTH ON LOG | DEPTH |
|-----|-------|--------|-------------------|--------------|-------|
| 11 | 8 3/4 | 474736 | SSIC | 3-11 | 3945 |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | B SKINNER | C WILSON | J FADYK |
| DERRICKMAN | J. SHOWERS | G WRIGHT | E. BABITZKE |
| HELPER | V KRATCHMOR | F MacLenn | B TOONE |
| HELPER | R. Loughran | W Winkler | PHIL POTTER |
| HELPER | A | I THOMAS | |
| FIREMAN | | | |
| TOOL PUSHER | CR | | |

TOUR 1
TOUR 2
TOUR 3

GEL
RAPIDRIN

PRESSURE
FOR 15
M-UG. *AK*

TRIPPEN
NO PROBLE
MUD.

RECEIVED
1412 A.I.F
AT 2-1-
APPROVAL:
1. RIG
2. HYDRA
3. PIPE

CHECKED H
CHECKED R
CHECKED P
NITROGEN
ACCUMULATED
TEST WITH

CHEVRON SOBC WM WHITEFISH YT J-70

| MLD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|-------------------|------|-------------------------------|---|
| Kind | Amount | From | To | WORK DONE |
| 19 73 | | | | |
| TOUR 1 | | | | |
| | | 1200 | | |
| | | 1.30 | 1.30 | WELD ON MUD BANK GATES & GET UP GATES |
| | | 6.45 | 6.45 | WORK ON LEAKS ON CAMIRON VALVES CHANGE CAMIRON VALVES |
| | | 7.15 | 7.15 | PRESSURE TEST HYDRILL TO 1400 PSI FOR 15 MIN. |
| | | 8.00 | 8.00 | PUT FLOW NIPPLE BACK ON |
| TOUR 2 | | | | |
| | | 900 | 900 | WORK ON DRILL NIPPLE |
| | | 900 | 1200 | RUN IN COLLERS - 20 STANDS |
| | | 1200 | 300 | CIRC & CON MUD. |
| TOUR 3 | | | | |
| GEL | 2200 ^u | 400 | 700 | CIRC & COND MUD |
| RAPIDRIX | 10 ^m | 700 | 800 | CHECKE HYDRIL & PIPE RAMS |
| | | 800 | 900 | MOTOR SHUT OFF & BLOW OUT DRILL |
| | | 900 | 1200 | RUN IN WITH BIT CLEAN TO BOTTOM FROM |

GENERAL TESTING, TISSING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

PRESSURE TEST HYDRIL AND WING VALVES TO 1900 PSI FOR 15 MIN. USING RANGER GRT CALING BOWL TEST PLUG. *RS LEM*

TRIPPED PIPE INTO HOLE TO 2500 AND BURST CIRC. NO PROBLEMS ON TRIP IN 20 FATH. CIRC HOLE AND MIX MUD.

RECEIVED VERBAL APPROVAL TO COMMENCE FILLING FROM MR. A.F. HALLGREN, DISTRICT CONSERVATION ENGINEER, INQUIRY AT 2:15 PM FEB 26, 1971. THE FOLLOWING CONDITIONS OF HYDRIL:

1. RIG SAVERS CHECKED AND RECORDED
2. HYDRIL CHECKED FOR CLOSING AND RECORDED
3. PIPE RAMS CHECKED FOR CLOSING AND RECORDED. *DM*

CHECKED HYDRIL FOR CLOSING - 35 SEC. CLOSING TIME. 7:20 PM.

CHECKED RIG SAVERS - WORKED GOOD

CHECKED PIPE RAMS FOR CLOSING - SHUT OK.

NITROGEN BOTTLES PRESS. 2000 PSI

ACCUMULATOR: 1500 PSI.

TEST WITNESSED BY: *L. Maund*

[Signature]
[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *G.P.* RIG NO *15*

Chew
MUD and CHEMICALS
Kind

FIELD _____ WELL NAME _____ L5D _____ SEC _____ TWP _____ Rigs _____ W _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MONTH *Feb. 25* 19*73*

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|------|---------------------|---------------|--------------|----------------------|---------------|-----------|-----------------------|---------------|-----------|
| STANDS | D.P. | NO. <i>35</i> | <i>331718</i> | FT | NO. <i>35</i> | <i>331718</i> | FT | NO. <i>35</i> | <i>331718</i> | FT |
| SINGLE | D.P. | NO. <i>2</i> | <i>6333</i> | FT | NO. <i>2</i> | <i>6333</i> | FT | NO. <i>2</i> | <i>6333</i> | FT |
| X OVER SUB | O.D. | | | FT | | | FT | | | FT |
| OTHER | O.D. | | | FT | | | FT | | | FT |
| DRILL COLLARS | O.D. | <i>7</i> | <i>17</i> | <i>52560</i> | <i>17</i> | <i>52560</i> | <i>17</i> | <i>17</i> | <i>52560</i> | <i>17</i> |
| DRILL COLLARS | O.D. | NO | | FT | NO | | FT | NO | | FT |
| REAMER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT |
| STABILIZER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT |
| JARS | | KIND | | FT | KIND | | FT | KIND | | FT |
| BUMPER SUB | | KIND | | FT | KIND | | FT | KIND | | FT |
| BIT OR CORE BARREL | | | | FT | | | FT | | | FT |
| TOTAL D.P. & TOOLS | | | | FT | | | FT | | | FT |
| KELLY DOWN (BELOW R.B.) | | | <i>3900</i> | FT | <i>2900</i> | | FT | <i>3900</i> | | FT |
| DEPTH OF TOOLS | | | <i>3945</i> | FT | <i>3945</i> | | FT | <i>3945</i> | | FT |

TOUR 1
TOUR 2
TOUR 3

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | <i>3945</i> | <i>3945</i> | <i>3945</i> |
| FOOTAGE DRILLED | | | |

| | HOURS | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM |
| PUMP | / | | | | | | | |
| ROTARY SPEED | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | |
| MUD WEIGHT | | | | | | | | |
| VISCOSITY | | | | | | | | |
| W.L.F.C. | | | | | | | | |
| pH | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND (API) TYPE | JET NO. (IN 1/2") | TOOTH COLLARS |
|-----------|--------------|--------------|---------------------|-------------------|---------------|
| <i>10</i> | <i>8 7/8</i> | <i>91314</i> | <i>SEC. S. 88</i> | <i>3-11</i> | <i>37 1/2</i> |

| CORE No. | No. | DST No. | FROM | TO | RECOVERED |
|----------|-----|----------|-----------|-----------|-----------|
| TYPE | | PREFLOW | PRE-STEP | POST-STEP | |
| FROM | | PRE-STEP | POST-STEP | POST-STEP | |
| TO | | V.O. | POST-STEP | POST-STEP | |
| Recovery | | PRE-STEP | POST-STEP | POST-STEP | |
| HOURS | | RECOVERS | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|------------------|---------------------|---------------------|
| DRILLER | <i>G SKINNER</i> | <i>C LARSEN</i> | <i>JOHN FEDYK</i> |
| DERRICKMAN | | <i>G Wright</i> | |
| HELPER | <i>J. H. ...</i> | <i>F Mc Clea</i> | <i>BLAINE TOONE</i> |
| HELPER | <i>R. ...</i> | <i>W. Winkletor</i> | <i>PHIL POTTER</i> |
| HELPER | <i>A. ...</i> | <i>I Thomas</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>A. K. ...</i> | | |

Chevron W.M. White Fish Pt. J. 70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|--|--------|-------------------|-----------------------|--|
| Kind | Amount | | | |
| 1973 HOUR 8 FT 3 FT FT 0 FT FT FT FT 0 FT 1 FT | TOUR 1 | 12.00 | | Slip & Cut 170 D/LINE Put oil in D/L works to Compound. Put in New Gasket Between No. 1-2 Motors. Wash Sub |
| | TOUR 2 | 8.00 | 12.00 | Put vents in Compound Covers Work on Shale Shaker Wash & Clean Rig |
| | TOUR 3 | 1.00 8.00 9 | 9.00 9.00 12.00 | WASH & CLEAN RIG TAIP OUT CLEAN MUD TANKS AND REPAIR MUD GUNS |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

W.M. White
OPERATOR

TOUR REPORT

CONTRACTOR

GP

HIG NO

15

FIELD WELL NAME END SEC TWP Rpt W

[] DRILLING [] DEEPENING [] COMPLETING
 [] REDRILLING [] ABANDONING [] REWORKING [] 24 HOURS ENDING 12 MIDNIGHT

FEB 24 1978

CHEM
 MUD and CHEMICAL
 Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------------|------|---------------------|----|------|----|----------------------|----|------|----|-----------------------|----|------|----|
| STANDS | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| SINGLE | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| X-OVER SUB | O.D. | | FT | | FT | | FT | | FT | | FT | | FT |
| OTHER | O.D. | | FT | | FT | | FT | | FT | | FT | | FT |
| DRILL COLLARS | O.D. | | FT | | FT | | FT | | FT | | FT | | FT |
| DRILL COLLARS | O.D. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| REAMER | O.D. | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT |
| STABILIZER | O.D. | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT |
| JARS | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT |
| BUMPER SUB | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT |
| BIT OR CORE BARREL | | | FT | | FT | | FT | | FT | | FT | | FT |
| TOTAL D.P. & TOOLS | | | FT | | FT | | FT | | FT | | FT | | FT |
| KELLY DOWN (BELOW R.B.I.) | | | FT | | FT | | FT | | FT | | FT | | FT |
| DEPTH OF TOOLS | | | FT | | FT | | FT | | FT | | FT | | FT |

TOUR 1

TOUR 2

TOUR 3

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 3945 FEET | 3945 FEET | 3945 FEET |
| DEPTH START OF TOUR | FEET | FEET | FEET |
| FOOTAGE DRILLED | FEET | FEET | FEET |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | / | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REASON FOR CHANGE | DATE | TIME | BY |
|-----|------|--------|-------------------|-------------------|------|------|----|
| | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | G JERMAN | C LINDSON | J TERRY |
| DERRICKMAN | | G WRIGHT | E BARRICKS |
| HELPER | D KEATNER | F JASON | B TOWNE |
| HELPER | W LOUGHEED | I THOMAS | P POTTER |
| HELPER | A HIGA | W LINKATER | T WILSON |
| FIREMAN | | | |
| TOOL PUSHER | | | |

CHEURON SORC W/M WHITEFISH YT J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

19 78
HOUR
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FEET
FEET
FEET
HOURS
A.M.
P.M.

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------------------|------------------|--|
| Kind | Amount | | | |
| TOUR 1 | | 12 ⁰⁰ | 8 ⁰⁰ | PUT UP MOTOR HOUSE CLEAN & WASH KIB. |
| TOUR 2 | | 8 ⁰⁰ | 4 ⁰⁰ | WORK ON NEW MOTOR CLEAN KIB. |
| TOUR 3 | | 9 ⁰⁰ | 12 ⁰⁰ | WORK ON NEW MOTOR PUT NEW CHAINS IN COMPOUND WASH KIB. |

CEMENTING, TESTING, FINDING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Handwritten Signature
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GA** REG. NO. **15**

FIELD _____ WELL NAME _____ LRD _____ SEC _____ TWP _____ Rgp _____ W _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 23 1972**

CHEVRON
 MUD and CHEMICAL
 Kind _____

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|---------------------|------|----|------|----------------------|------|----|------|-----------------------|------|----|----|
| | STANDS | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| SINGLE | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| X OVER SUB | O.D. | | FT | | FT | | FT | | FT | | FT | |
| OTHER | O.D. | | FT | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | O.D. | | FT | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | O.D. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| REAMER | O.D. | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| STABILIZER | O.D. | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| JARS | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| BUMPER SUB | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| BIT OR CORE BARREL | | | FT | | FT | | FT | | FT | | FT | |
| TOTAL D.P. & TOOLS | | | FT | | FT | | FT | | FT | | FT | |
| KELLY DOWN (BELOW R.R.) | | | FT | | FT | | FT | | FT | | FT | |
| DEPTH OF TOOLS | | | FT | | FT | | FT | | FT | | FT | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 3045 FEET | 3045 FEET | 3045 FEET |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | / | | | | | | | | | | | |
| ROTARY SPEED | / | | | | | | | | | | | |
| WEIGHT ON BIT | / | | | | | | | | | | | |
| MUD WEIGHT | / | | | | | | | | | | | |
| VISCOSITY | / | | | | | | | | | | | |
| W.L.F.C. | / | | | | | | | | | | | |

pH _____
 MUD LEVEL IN TANKS _____

| NO. | SIZE | SERIAL | BIT KIND | WELL TYPE | RETRIEVED IN FEET | RETRIEVED FEET | RETRIEVED FEET | RETRIEVED FEET | RETRIEVED FEET | RETRIEVED FEET | RETRIEVED FEET |
|-----|------|--------|----------|-----------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | G SKINNER | C LARSEN | J KELLY |
| DERRICKMAN | | G WRIGHT | E RALITZKE |
| HELPER | D KRATZNER | F JUDSON | D TONGE |
| HELPER | R LOUGHEED | I THOMAS | P POTTER |
| HELPER | A HIGA | W LANKLATER | |
| FIREMAN | | T WILSON | |
| TOOL PUSHER | | | |

TOUR REPORT

CONTRACTOR

G.P.

WELL NO.

15

FIELD *Engle P.M.S.* WELL NAME

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FURTHER REPAIRS/ENDING TO SHORTE

FEB 22

1973

Chemical

MUD and CHEMICAL

Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|------------------------------|---------------------|------|----|----|----------------------|----|----|----|-----------------------|--|--|--|
| | STANDS | NO | FT | NO | FT | NO | FT | NO | FT | | | |
| STANDS <i>4 1/2</i> D.P. | NO 35 | 3317 | 18 | NO | | | | NO | | | | |
| SINGLE <i>4 1/2</i> D.P. | NO 2 | 63 | 33 | NO | | | | NO | | | | |
| X OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS <i>7"</i> O.D. | NO 17 | 525 | 60 | NO | | | | NO | | | | |
| REAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | 3946 | 31 | | | | | | | | | |
| KELLY DOWN BELOW B | | 3120 | | | | | | | | | | |
| DEPTH OF TOOLS | | 3175 | 31 | | | | | | | | | |
| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | 3946.5 | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

pH

MUD LEVEL IN TANKS

| NO. | SIZE | SERIAL | BIT KIND | NO. | TYPE | NO. |
|-----|-------|--------|----------|-----|-------|------|
| 10 | 8 3/4 | 913641 | Sec. 5 | 85 | 3 1/2 | 3100 |

| CORE | No. | No. | DIST. NO. | DEPTH | |
|----------|-----|-----|-----------|-------|------|
| | | | | TO | FROM |
| TYPE | | | | | |
| FROM | | | | | |
| TO | | | | | |
| RECOVERY | | | | | |
| HOURS | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|-------------------|-------------------|
| DRILLER | <i>Jack Tyler</i> | <i>Bob Kinner</i> | <i>W. Larson</i> |
| DETRICKMAN | | | <i>G. Wright</i> |
| HELPER | <i>Pat Loughlin</i> | | <i>E. Johnson</i> |
| HELPER | <i>Guy Tolguson</i> | | <i>E. Thomas</i> |
| HELPER | <i>Brian Young</i> | | <i>W. Linn</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>AR Spambus</i> | | |

TOUR REPORT

G.P.

15-

Chevron

FIELD EAGLE PLAIN WELL NAME

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

DATE FEB 21

19

Kind

TOUR #

| | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|---------------------|---------------------|------|----------------------|----|-----------------------|----|
| DRILLING ASSEMBLY | | | | | | |
| STANDS | 4 1/2" 35 | NO 1 | 33 | 17 | 18 | FT |
| SINGLE | 4 1/2" 2 | NO 2 | 63 | 33 | | FT |
| X-OVER SUB | | | | | | |
| OTHER | | | | | | |
| DRILL COLLARS | 7" 19 | | 5 | 25 | 60 | FT |
| DRILL COLLARS | | | | | | |
| REAMER | | | | | | |
| STABILIZER | | | | | | |
| JARS | | | | | | |
| BUMPER SUB | | | | | | |
| BIT OR CORE BARREL | | | | | | |
| TOTAL TSP & LOGS | | | 39 | 46 | 31 | |
| KEY UP/DOWN BELOW | | | 3 | 9 | 20 | |
| DEPTH OF TOUR | | | 39 | 45 | 31 | |
| TOUR | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | | | | | |
| DEPTH START OF TOUR | | | | | | |
| FOOTAGE DRILLED | | | | | | |

DAY WORK

| | 7:00 AM - 8:00 AM | 8:00 AM - 9:00 AM | 9:00 AM - 10:00 AM | 10:00 AM - 11:00 AM | 11:00 AM - 12:00 PM | 12:00 PM - 1:00 PM | 1:00 PM - 2:00 PM | 2:00 PM - 3:00 PM | 3:00 PM - 4:00 PM | 4:00 PM - 5:00 PM | 5:00 PM - 6:00 PM |
|---------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| PUMP | | | | | | | | | | | |
| ROTARY SPEED (RPM) | | | | | | | | | | | |
| WEIGHT ON BIT (LBS) | | | | | | | | | | | |
| MUD WEIGHT (PPG) | | | | | | | | | | | |
| VISCOSITY (CP) | | | | | | | | | | | |
| W.L. (FT) | | | | | | | | | | | |

MUD LEVEL IN TANKS

| NO. | DATE | SECTION | WEIGHT ON BIT (LBS) | ROTARY SPEED (RPM) | W.L. (FT) |
|-----|-------------------------|---------|---------------------|--------------------|-----------|
| 10 | 8 ³⁴ 9/13/64 | SEC 588 | 3/11 | 37 1/2 | 3700 |

CORE NO. _____ TYPE _____ FROM _____ TO _____ BRAND _____ HOURS _____

SKIN CHIEF _____
 DRILLER JACK TYLER
 DRILL ROOM _____
 HELPER PAT LAUGHAN
 HELPER GUY JOHNSON
 HELPER BRIAN YOUNG
 FIRST MAN _____
 TOUR NUMBER _____

TOUR REPORT

CONTRACTOR **G.P.** Well No. **15**

FIELD **Eagle Plain** WELL NAME

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS FROM 12 MIDNIGHT **February 20 1973**

Chevron
MUD CHEMICALS
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|------------------------------|---------------------|------------------|------|----------------------|------|------|-----------------------|------|------|
| | NO | FEET | FEET | NO | FEET | FEET | NO | FEET | FEET |
| STANDS 4 1/2" P | NO 35 | 331718 FT | | NO | | | NO | | |
| SINGLE 4 1/2" P | NO 2 | 6533 FT | | NO | | | NO | | |
| X OVER SUB O.D. | | | | | | | | | |
| OTHER O.D. | | | | | | | | | |
| DRILL COLLARS 7" O.D. | | 52560 FT | | | | | | | |
| DRILL COLLARS O.D. | NO | | | NO | | | NO | | |
| REAMER O.D. | KIND | | | KIND | | | KIND | | |
| STABILIZER O.D. | KIND | | | KIND | | | KIND | | |
| JARS | KIND | | | KIND | | | KIND | | |
| BUMPER SUB | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | |
| TOTAL D.P. & TOOLS | | 394631 | | | | | | | |
| KELLY DOWN (BELOW P.B.) | | 3920 | | | | | | | |
| DEPTH OF TOOLS | | 394531 | | | | | | | |
| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | FEET | | | FEET | | | FEET | |
| DEPTH START OF TOUR | | FEET | | | FEET | | | FEET | |
| FOOTAGE DRILLED | | FEET | | | FEET | | | FEET | |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|
| | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | WT. (LBS) | TYPE | NO. | SIZE | SERIAL | WT. (LBS) | TYPE |
|-----------|---------------|--------------|------------|-------------|---------------|-------------|--------|-----------|------|
| 10 | 8 3/4" | 91364 | 588 | 3/11 | 37 1/2 | 3700 | | | |

| CORE NO. | NO. | DISC NO. | TYPE | FROM | TO | RECOVER | HOURS |
|----------|-----|----------|------|------|----|---------|-------|
| | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|---------------------|------------------|
| DRILLER | Stack Tyler | G SKINNER | 3 1/2 1/2 |
| DERRICKMAN | | | |
| HELPER | Pat Loughlin | Dan Kennerly | W. J. ... |
| HELPER | Guy Tonguson | R. Loughlin | W. J. ... |
| HELPER | Brian Young | Allen ... | ... |
| FIREMAN | | | |
| TOOL PUSHER | CR ... | | |

TOUR REPORT

CONTRACTOR **G.P.** WELL NO. **15**

Chevron

FIELD **EAGLE PHINDALE** NAME

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDON NO. REWORKING

DATE **Feb 17** 1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | |
|--------------------------|---------------------|-----------|-----------|-----------|----------------------|--|--|--|-----------------------|--|--|--|--|
| STANDS 4 1/2 D.P. | NO 35 | 33 | 17 | 18 | NO | | | | | | | | |
| SINGLE 4 1/2 D.P. | NO 2 | | 6 | 56 | NO | | | | | | | | |
| X-OVER JOB | OD | | | | | | | | | | | | |
| OTHER | OD | | | | | | | | | | | | |
| DRILL COLLARS 7 | OD | 17 | 5 | 25 | 60 | | | | | | | | |
| DRILL COLLARS | OD | | | | | | | | | | | | |
| REAMER | OD | | | | | | | | | | | | |
| STABILIZER | OD | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 39 | 46 | 31 | | | | | | | | |
| KELLY DOWN BELOW R.B. | | | 39 | 20 | | | | | | | | | |
| DEPTH OF TOOLS | | | 39 | 45 | | | | | | | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | 3945 | 3945 |
| DEPTH START OF TOUR | | 3945 | 3945 |
| FOOTAGE DRILLED | | | |

| DAY WORK | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM | 6 PM | 7 PM | 8 PM | 9 PM | 10 PM | 11 PM | |
|---------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|--|
| PUMP | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | | | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | | | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | | | | | | | | | | | | | | |

pH _____
 MUD LEVEL IN TANKS _____

| NO. | SIZE | SECT. | WELL NO. | DATE | TIME |
|-----------|--------------|---------------|----------------|-------------|----------------|
| 10 | 8 3/4 | 913641 | Sec 588 | 3/11 | 37 3700 |

| CORE NO. | NO. | DATE | TIME |
|----------|-----|------|------|
| | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|------------------|---------------------|
| DRILLER | Jack Tyler | G SKINNER | CHARSEN |
| DERRICKMAN | Jack Tyler | | B Wright |
| HELPER | Pat Laughlin | L KRATNER | J Judson |
| HELPER | Clyde Johnson | L LEASHER | I Thomas |
| HELPER | BRIAN YOUNG | A HISA | W. Kimmelman |
| FIREMAN | | T WILSON | |
| TOOL PUSHER | Bob Shambert | | |

STARTED
 Circ. T
 (over)

CHEVRON SOBC WM Whitefish YI I-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|-----------------|-----------------|
| Kind | Amount | | |
| TOUR 1 | | 1200 | |
| | | | 8 ⁰⁰ |
| | | 8 ⁰⁰ | |
| TOUR 2 | | | 4 ⁰⁰ |
| | | 4 ⁰⁰ | |
| | | 1200 | |
| TOUR 3 | | | |

Rig to circulate casing
Blade Kelly used put pumps to-
gether & circulate casing, AND
practically everything on work
sheet except new hose on #2 Motor

Circ C&B
WASH DOWN SUB & PUMPS
& MATE. HELP WELDER
& MECHANIC ON AIR LINES &
SHARDS.

Circ C&B
WORK ON #01 Pump
WASH & CLEAN Pump House
WORK ON AIR LINES

CONTINUED ON REVERSE SIDE OF THIS SHEET. DO NOT WRITE ENGINEERING SUMMARY.

STARTED CIRC. CASING AT 5:00 AM.
CIRC. TILL MIDNIGHT.
CREW WORKING ON AIR LINES AND ELECTRICAL LINES

G. L. Howard
MANAGER

TOUR REPORT

FIELD EAGLE PLAIN WELL NAME

CONTRACTOR G.P. DATE 15

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING DATE OF REPORT FEB 18 1973

CHEVRON
MUD CHEMICALS
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAY (EIGHT) TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|----------|---------------------|--|--|--|-------------------------|--|--|--|-----------------------|--|--|--|
| STANDS | D.P. NO. | | | | | | | | | | | | |
| SINGLE | D.P. NO. | | | | | | | | | | | | |
| X-OVER SUB | O.D. | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | | | | | | | | | | | | |
| REAMER | O.D. | | | | | | | | | | | | |
| STABILIZER | O.D. | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.C.) | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 3945 | | |
| DEPTH START OF TOUR | 3945 | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM |
|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| PUMP | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ROTARY SPEED (RPM) | | | | | | | | | | | |
| WEIGHT ON BIT (TONS) | | | | | | | | | | | |
| MUD WEIGHT (LB/GAL) | | | | | | | | | | | |
| VISCOSITY (CP) | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | |

| D.H. | MUD LEVEL IN TANKS |
|------|--------------------|
| | |

| NO. | SIZE | SERIAL | BIT WEIGHT (LBS) | W.T. |
|-----|-------|--------|------------------|------|
| 10 | 8 7/8 | 913611 | Security 588 | 3700 |

| CORE NO. | NO. | DEPTH | TYPE | FROM | TO | RECOVERY | HOURS |
|----------|-----|-------|------|------|----|----------|-------|
| | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------|---------------|------------------------|
| DRILLER | JACK TYLER | | C. WILSON G. WRIGHT |
| DERRICKMAN | | | |
| HELPER | PAT LOUGH LINN | D. K... | I. THOMAS |
| HELPER | GUY TERRYSON | KEL... | W. MILLER |
| HELPER | BRIAN YOUNG | A. H... | R. JUDSON |
| FIREMAN | | | |
| TOOL PUSHER | OR HAMBRO | | |

STAMP
TICKET
NO. 10
G.P.
CHANGING
NO. 10
G.P.

TOUR REPORT

FIELD EAGLE PLAN WELL NAME _____ CONTRACTOR G.P. RIG NO. 15
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING DATE FEB 17 1973

CHEVRON
 MUD and CHEMICALS
 Kind _____

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|------------------------------------|-------------------------------|----------------------|-----------------------|
| STANDS <u>1/4" DP</u> | NO <u>35</u> <u>332919</u> FT | NO | NO |
| SINGLE DP | NO | NO | NO |
| X OVER SUB | | | |
| OTHER DRILL COLLARS <u>7" O.D.</u> | <u>17</u> <u>52560</u> FT | | |
| DRILL COLLARS | NO | NO | NO |
| REAMER | KIND | KIND | KIND |
| STABILIZER | KIND | KIND | KIND |
| JARS | KIND | KIND | KIND |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | <u>14631</u> FT | | |
| KELLY DOWN BELOW R.B. | <u>2920</u> FT | | |
| DEPTH OF TOOLS | <u>14631</u> FT | | |

TOUR 1
 TOUR 2
 TOUR 3

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|------------------|------------------|------------------|
| DEPTH END OF TOUR | <u>3945</u> FEET | <u>3945</u> FEET | <u>3945</u> FEET |
| DEPTH START OF TOUR | <u>3914</u> FEET | <u>3945</u> FEET | <u>3945</u> FEET |
| FOOTAGE DRILLED | <u>31</u> FEET | — | — |

| DAY WORK | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM |
|---------------|-----------|-------------|------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| PUMP | <u>65</u> | <u>1300</u> | <u>65</u> | | | | | | | | | |
| ROTARY SPEED | | <u>300</u> | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | <u>93</u> | <u>93</u> | | | | | | | | | |
| VISCOSITY | | <u>110</u> | <u>113</u> | | | | | | | | | |
| W.L.F.C. | | <u>747</u> | <u>77</u> | | | | | | | | | |
| pH | | <u>9.0</u> | <u>9.0</u> | | | | | | | | | |

4:15 AM
 MUD #
 0 FEET
 FIRE
 ALL HIGH
 LAMPS ON
 STRINGS
 THE FIRE
 ENGINEER
 (C. G. HILL)
 A. WILSON
 WILSON
 STAIRS
 AT 12:30
 WILSON
 TO

| NO. | SIZE | SERIAL | WT. (LBS.) | INCHES | DEPTH |
|-----------|--------------|---------------|---------------------|------------|-------------|
| <u>10</u> | <u>8 3/4</u> | <u>113611</u> | <u>Security 588</u> | <u>3/4</u> | <u>3700</u> |

| CORE NO. | NO. | DATE | TIME |
|----------|-----|------|------|
| | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|-------------------|------------------------|
| DRILLER | <u>Jack Joffe</u> | <u>G. SKINNER</u> | <u>CLARSEN</u> |
| DERRICKMAN | <u>Ray Mader</u> | <u>D I</u> | |
| HELPER | <u>Pet K...</u> | <u>D K...</u> | <u>ISON THOMAS</u> |
| HELPER | <u>...</u> | <u>F LOUSHEED</u> | <u>William Lambert</u> |
| HELPER | <u>Bert...</u> | <u>H HIGB</u> | |
| FIREMAN | | <u>T. WILSON</u> | |
| TOOL PUSHER | <u>...</u> | | |

CHEVRON 5030 v.m White fish yt J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|-------|-------|
| Kind | Amount | | |
| TOUR 1 | | 12:00 | 12:15 |
| | | 12:15 | 1:30 |
| | | 1:30 | 3:00 |
| TOUR 2 | | 8:00 | 12:30 |
| | | 12:30 | 1:45 |
| | | 1:45 | 9:00 |
| TOUR 3 | | 4:00 | 12:00 |

Rig serviced & Check Bops
Drilling 8 7/8" hole.
Fight fire in Motor House & under
Sub. Work on burnt Air Lines to
get Air to pump & START #2 Motor

THROW OUT PUMPS AND RIG
UP TO BREAK CIRC,
CIRC TO BE @ 900 PSI
GEN CLEAN UP & CIRC HERE

WORK Hook up Air to Drum
And hoist off Bottom
WORK on Air Lines
And CIRC

CONTINUE TO ENTER GENERAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

4:15 AM FIRE WAS DISCOVERED IN THE MOTORHOUSE BETWEEN #1
AND #2 ENGINE. DRILLER SOUNDED ALARM AND PICKED STRINGS UP
8 FEET OFF BOTTOM. CREW HAD TOOLPASTER EXTINGUISHED THE
FIRE USING ARC POWDER, GEL AND STEAM. FIRE DESTROYED
ALL AIR AND ELECTRICAL LINES UNDER THE SUB AND IN THE
DOWNWORKS, BRASS LINES THAT FAILED IN THE HEAT AND THE
STRING SLIPPED BACK TO BOTTOM, RESTING WITH 65 M³ ON THE BIT.
THE FIRE WAS EXTINGUISHED BY SSC AMT JONES A. CONSULTATION
ENGINEER WITH I.A.N.D. HIS INSURER WAS ADVISED OF THE FIRE AT
6:30 AM. TUE 11/75

A MUD LINE FROM THE BENTONITE WAS ATTACHED TO THE FAST LINES
USING A SWATHBARK AND A FULL OF 100,000# WAS MADE ON THE
STAND. STRING UP AT THE TIME WAS 116,000#. LACK CIRCULATION
AT 12:30 PM WITH 400 FT WITH FLOW AT ~~100~~ 200 FT. SPEED.
SOME TIME TILL THIS MUD WAS OFF SITE AND DROPPED UP THE
TO THE LOW MUD FROM THE TOWER.

[Handwritten Signature]
SIGNATURE COMPANY/PROJECT

TOUR REPORT

FIELD *EAGLE PLAIN* WELL NAME

CONTRACTOR

GP

WELL NO

15

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING BELOW-GRS TOURS END OF TOUR

FEB 16 1973

CHEMICALS
MUD AND CHEMICALS
Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|---|---------------------|----------------------------------|----------------------------------|
| STANDS <i>4 1/2"</i> DP NO <i>34</i> | <i>328348</i> FT | NO <i>35</i> <i>331718</i> FT | NO <i>36</i> <i>388051</i> FT |
| SINGLE DP NO <i>2</i> | <i>6177</i> FT | | |
| X OVER SUB | | | |
| OTHER | | | |
| DRILL COLLARS <i>7"</i> OD | <i>17</i> | <i>52560</i> | <i>62560</i> |
| DRILL COLLARS | | | |
| REAMER | | | |
| STABILIZER | | | |
| JARS | | | |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL DP & TOOLS | <i>385128</i> | <i>384478</i> | <i>390611</i> |
| KELLY DOWN BELOW HR | <i>3992</i> | <i>11020</i> | <i>1000</i> |
| DEPTH OF TOOLS | <i>384700</i> | <i>388298</i> | <i>394631</i> |

9-1#1300
LA ESTIC #20
RH-45-10-#4

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | <i>38117</i> | <i>3882</i> | <i>3914</i> |
| DEPTH START OF TOUR | <i>3798</i> | <i>3848</i> | <i>3882</i> |
| FOOTAGE DRILLED | <i>119</i> | <i>35</i> | <i>32</i> |

| DAY WORK | 2-4 AM | 5-7 AM | 8-10 AM | 11 AM | 12-2 PM | 3-5 PM | 6-8 PM | 9-11 PM |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|
| PUMP | <i>68</i> | <i>66</i> | <i>64</i> | <i>62</i> | <i>60</i> | <i>58</i> | <i>56</i> | <i>54</i> |
| ROTARY SPEED | | | <i>54</i> | <i>54</i> | <i>56</i> | <i>56</i> | <i>56</i> | <i>56</i> |
| WEIGHT ON BIT | | | <i>18</i> | <i>12</i> | <i>12</i> | <i>12</i> | <i>12</i> | <i>12</i> |
| MUD WEIGHT | <i>9.3</i> | <i>9.3</i> | <i>9.2</i> | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> | <i>9.3</i> | <i>9.2</i> |
| VISCOSITY | <i>46</i> | <i>45</i> | <i>43</i> | <i>42</i> | <i>40</i> | <i>41</i> | <i>43</i> | <i>40</i> |
| WL F.C. | <i>9.6</i> | <i>9.7</i> | <i>9.8</i> | <i>9.8</i> | <i>9.9</i> | <i>9.9</i> | <i>9.9</i> | <i>9.9</i> |
| pH | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> | <i>9.0</i> |

| NO. | SIZE | SERIAL | TYPE | REMARKS |
|-----------|--------------|--------------|-----------------|----------------------|
| <i>10</i> | <i>8 3/4</i> | <i>91364</i> | <i>Security</i> | <i>588 3/11 3700</i> |

| CORE NO. | NO. | DATE | TIME | DEPTH | REMARKS |
|----------|-----|------|------|-------|---------|
| | | | | | |

| SIGNATURES | MORNING TOUR | DAY LIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|--------------------|---------------------|
| DRILLER | <i>Jack TYLER</i> | <i>G. SPINNER</i> | <i>CHARSEN</i> |
| DEERICKSWAN | <i>Ron MAREK</i> | <i>D. HATHAMER</i> | <i>Cooperwright</i> |
| HELPER | <i>Pat Loughlin</i> | <i>K. Lewis</i> | <i>Jane Jones</i> |
| HELPER | <i>Guy Torgerson</i> | <i>MIAN HIRA</i> | <i>W. L. HATOR</i> |
| HELPER | <i>Brian Young</i> | | |
| FOREMAN | <i>Al Stambus</i> | | |
| PUSHER | | | |

CHEVRON SOBC W/M WHITE FISH YT J-70

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------------|-------|-------|--|
| Kind | Amount | | | |
| 1973 | | 1200 | 1215 | Rig Service & Reps. |
| TUR | TOUR 1 | 1215 | 130 | Drilling 8 3/4" hole |
| 1 FT | | 130 | 230 | CHANGE HEAD IN LUKE SIDE #2 pump |
| FT | | 230 | 800 | Drilling 8 3/4" hole |
| FT | | | | |
| 0 FT | | | | |
| FT | | | | |
| FT | TOUR 2 | 800 | 830 | DRILL |
| 1 FT | GEL #1200 | 830 | | RIG SERVICE & REPAIRS - CHECK BRAKE PINS |
| FT | PLASTIC #50 | | 900 | CROWN-O-MATIC RIG SAVERS - KELLY |
| FT | RAPIDRICE #7 | | 2.30 | COCK & SURVEY AT 255' |
| FT | | 100 | 2.30 | DRILL |
| 1 FT | | 230 | 2.45 | CLOSE HYDRILL & PIPE RAMS CHECK |
| D FT | | 2.45 | 3.15 | RIG SAVERS FOR D.M.R. |
| 1 FT | TOUR 3 | 3.15 | 4.00 | CIR & SURVEY. |
| | | 4.00 | 4.15 | DRILL. |
| | | 4.15 | 11.15 | DRILL |
| | | 11.15 | 12.00 | SURVEY |

CONTINUED DETAIL OF OPERATIONS INCLUDING ENGINEERING SUMMARIES

WELL DEVIATION INCREASED FROM 2 TO 4 IN 60 FEET.
 DRILLED LT WEIGHT FROM 18/20 MP TO 16 MP, TO
 THE POINT WHERE IT BECAME UNSTABLE, DEVIATION
 REMAINED AT 4. DRILLED ANOTHER 20 FEET AND DEVIATION
 INCREASED TO 5.

JOHN KIRK, CONSERVATION ENGINEER WITH IRIAD INSPECTED
 THE RIG #2 PUMP = FCB 16.75. CHECKED HYDRA AND FINE
 RIMS FOR CLOSURE AND ALSO CHECKED THE LEAK OFF.

[Signature]
 OPERATIONS COMPANY ENGINEER

TOUR REPORT

G.P. Drilling 15

W.H. Fish CHEVRON Whitefish Y-T-720

Feb 15 1973

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAY (EIGHT) TOUR | | END OF NIGHT (TWENTY-FOUR) TOUR | |
|-------------------------------|------|---------------------|----|-------------------------|----|---------------------------------|--|
| STANDS | 33 | 316054 | 33 | 317217 | 34 | | |
| CONCRETE | | | | | 1 | 325489 | |
| X OVER (IN) | | | | | | | |
| DEPTH | 7 17 | 52560 | 17 | 52580 | | 52560 | |
| DEPTH (START OF TOUR) | | | | | | | |
| DEPTH (END OF TOUR) | | | | | | | |
| DEPTH (START OF MORNING TOUR) | | | | | | | |
| DEPTH (START OF DAY TOUR) | | | | | | | |
| DEPTH (START OF NIGHT TOUR) | | | | | | | |
| DEPTH (END OF NIGHT TOUR) | | | | | | | |
| DEPTH (START OF MORNING TOUR) | | 368884 | | 3727 | | 378049 | |
| DEPTH (START OF DAY TOUR) | | 3200 | | 200 | | 1800 | |
| DEPTH (START OF NIGHT TOUR) | | 371804 | | 375763 | | 379898 | |
| DEPTH (END OF NIGHT TOUR) | | | | | | | |
| DEPTH (START OF MORNING TOUR) | | 3718 | | | | 3798 | |
| DEPTH (START OF DAY TOUR) | | 3700 | | | | 3758 | |
| DEPTH (START OF NIGHT TOUR) | | 18 | | | | 48 | |

MAG. 9
3 RAPIORIL

GEL#310
KAPICKIL#2

| DAY WORK | MORNING TOUR | DAY TOUR | NIGHT TOUR |
|---------------|--|--|------------|
| PUMP | 1425 ⁶⁷ 1400 ⁶⁷ 1400 | 1400 ⁶⁷ 1400 ⁶⁷ 1400 | 1400 |
| ROTARY SPEED | 56 | 56 | 56 |
| WEIGHT ON BIT | 20 | 20 | 20 |
| MUD WEIGHT | 9.4 9.4 9.5 | 9.3 | |
| VISCOSITY | 4 16 14 | 18 | |
| W. F. I. | 9.4 11.2 11.2 9.4 | 11.2 | |
| pH | 9.0 9.0 9.0 | | |

FLUSHED
LINE
ALCOHOL

DRILLED
ONE J
ONE W

10 8 3/4 9 1/2 6 1/4 SEC. 888 3-11 3700

DE S

| SIGNATURES | MORNING TOUR | DAY TOUR | NIGHT TOUR |
|-------------|---------------|---------------|------------|
| DRILLER | GARRY SKINNER | JACK TYLER | G. SKINNER |
| DERRICKMAN | RON MAREK | RON MAREK | L. RITCH |
| HELPER | | Pat Loughlin | |
| HELPER | Phil Potter | Gov. Toranson | |
| HELPER | | Bill Anthony | |
| FIREMAN | | | |
| POOL PUSHER | | | |

CHEVRON SOBC W/M WHITEFIELD YT J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| 973 | MUD and CHEMICALS ADDED | From | To |
|------|----------------------------|-------|-------|
| UR | Kind | | |
| | | 12:00 | 2:00 |
| | | 2:00 | 3:00 |
| 9.11 | | 4:00 | 11:30 |
| | | 4:30 | 5:15 |
| | | 5:15 | 8:00 |
| | | 8:00 | 8:30 |
| | MAGROBEL 9.14 3 RAPORIL | 8:30 | 9:30 |
| | | 9:30 | 2:00 |
| 9.08 | | 2:00 | 4:30 |
| | GEL#300 KAPIDRIL#2 | 4:00 | 5:00 |
| | | 5:00 | 5:30 |
| | | 5:30 | 8:15 |
| | | 8:15 | 8:45 |
| | | 8:45 | 11:00 |
| | | 11:00 | 12:00 |

TRIP OUT & LAY DOWN D. Co Box Wash
INSTALL NEW DIAPHRAGM IN PUMP
TO TCO & SET UP BAKS & RIG SER.
RUN 40%
BREAK CIR & CLEAN 20' TO BOTTOM
DRILL

Drilling 8 1/2" hole
Succ. survey & 37x6-3" Kill Service Check
Beds, holdy lock down-A-MAG
Rig Saver's Ill pump 37 strokes 450#
Drilling 3 3/4" hole
Work on #1 pump thru line

PUT SCURDS ON No. 1 Pump DRIVE
SURVEY
DRILL
SURVEY & GLAND PACKING
ON No. 2 PUMP
DRILL
WELD CRACK IN COM
ON PUMP DRIVE

FLUSHED ALL LINES IN MANIFOLD SYSTEM AND FLARE
LINE WITH DIESEL FUEL. FILLED ALL LINES WITH
ALCOHOL. *GM*

DRILLED TO 3700 W/ BIT # 3 DEVIATION AT 3° AND
ONE JET PLUGGED. TRIPPED OUT OF HOLE. LAY DOWN
ONE WASHED COLLAR RAN IN WITH S-SS BIT 3/11 JETS.

DESTARTER 6 P.M. OVERFLOW 9.2 UNDERFLOW 10.0

Genel Moen
SIGNATURE COMPANY LIMITED

TOUR REPORT

Well: *Whitefish* CHEVRON SOBE yT GP. DRILLING 15
 DATE: FEB. 13 1973

| DRILLING SYSTEM | MORNING TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|------|-------|--------|----------------|-------|--------|-----------|
| | START | STOP | TIME | DEPTH | START | STOP | TIME | DEPTH |
| STANDS | 31 | | | | 32 | 30-41 | 61 | 33 313881 |
| SINGLE | 2 | 3 | 00393 | | 1 | X | 3160 | |
| DRILL COLLARS | 7 | 16 | 55567 | 18 | 55567 | | 55567 | |
| TOTAL DR. & COLL. | 355860 | | | 364208 | | | 369448 | |
| KELLY DOWN BELOW | 33300 | | | 12120 | | | 600 | |
| DEPTH OF LOGS | 359160 | | | 325090 | | | 370048 | |
| DEPTH END OF TOUR | 3591 | | | 2640 | | | 3700 | |
| DEPTH START OF TOUR | 3535 | | | 3591 | | | 3041 | |
| FOOTAGE DRILLED | 56 | | | 50 | | | 58 | |

10 SACKS BEL
3500 R.P.M.

| DAY WORK | MORNING TOUR | | | | AFTERNOON TOUR | | | |
|---------------|--------------|------------|------------|------------|----------------|------------|------------|------------|
| | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM |
| PUMP | 66 1550 | 66 1550 | 66 1550 | 66 1550 | 66 1550 | 66 1550 | 66 1550 | 66 1550 |
| ROTARY SPEED | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 49 |
| WEIGHT ON BIT | 20 | 20 | 25 | 25 | 20 | 20 | 20 | 15 |
| MUD WEIGHT | 9.4 | 9.4 | 9.4 | 9.11 | 9.5 | 9.5 | 9.5 | 9.4 |
| VISCOSITY | 47 | 48 | 48 | 47 | 54 | 54 | 52 | 47 |
| WT. FL. | 8.4 | 8.4 | 8.4 | 8.6 | 8.4 | 8.4 | 8.4 | 8.4 |
| pH | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |

6 P.M. Desl
10 P.M.

5 8 3/4 9 10 166 SEC. 9 1/2 3233
 557 3700 467

| SIGNATURES | MORNING TOUR | AFTERNOON TOUR |
|------------|--------------|----------------|
| | DRILLER | G SKINNER |
| DETECTIVE | ROD MILLER | |
| HELPER | John Mark | |
| HELPER | PHIL POTTER | |
| HELPER | DALE MAREK | |
| MAN | | |
| PUSHER | | |

ALLAN HIGA
 2800 R.P.M. 761 CO 3565 280
 3673 3

1973

| MATERIALS CHEMICALS ADDED | |
|---------------------------|--------|
| Kind | Amount |
| TOUR 1 | |
| 10 SACKS BEL | |
| 3 SACK RAPIDITE | |

| From | To |
|-------|-------|
| 12.00 | 12.15 |
| 12.15 | 4.10 |
| 4.10 | 4.30 |
| 4.30 | 8.00 |
| 8.00 | 8.30 |
| 8.30 | |
| 9.30 | 2.12 |
| 2.12 | 2.30 |
| 2.30 | 4.00 |
| 4.00 | 6.00 |
| 6.00 | 6.15 |
| 6.15 | 9.00 |
| 9.00 | 9.30 |
| 9.30 | 11.00 |
| 11.00 | 11.15 |
| 11.15 | 12.00 |

OTHER HOURLY OPERATING DETAIL WORK DONE

Rig 842
 DRILL
 SURVEY
 DRILL

Drilling 8 3/4" hole
 Rig Service Check Kops, Kelly Cocks
 Drilling, Rig SAVERS, Check pumps #2
 (1) idle 37 strokes 625 #. #2 motor on #2 pump
 1500 #. #1 motor on #2 pump 1400 #

Drilling 8 3/4" hole
 CIRCE SURVEY 3630 2"

Drilling 8 3/4" hole
 Drilling 8 3/4" hole
 Rig Service Kops
 Drilling 8 3/4" hole
 CIRCE SURVEY
 DRILL
 C.R. HOLE TO BRIP
 DROP SURVEY

Pump Stroke 33
 " PRESSURE 725

6 P.M. DESITTER
 10 P.M.

OVER FLOW - 7.2
 OVER FLOW - 7.2

UNDER FLOW - 10.0
 UNDER FLOW - 9.9

Grand Maund

TOUR REPORT

GRADING

15

FIELD WHITE FISH

CHAURON SOBSC 7

375

F 17 13

19 73

| START TIME | STOP TIME | START TIME | STOP TIME | START TIME | STOP TIME |
|------------|-----------|------------|-----------|------------|-----------|
| 30 42 | 30 28 | 44 88 | 30 28 | 44 88 | 29 39 |
| 2844 | 2844 | 2844 | 2844 | 2844 | 2844 |
| 88 | 88 | 88 | 88 | 88 | 88 |
| 31 | 31 | 31 | 31 | 31 | 31 |
| 56 | 56 | 56 | 56 | 56 | 56 |
| 7 16 | 7 16 | 7 16 | 18 55 | 18 55 | 18 55 |
| 555 | 555 | 555 | 555 | 555 | 555 |
| 67 | 67 | 67 | 67 | 67 | 67 |
| 3400 | 3400 | 3400 | 3472 | 3472 | 3472 |
| 45 | 45 | 45 | 80 | 80 | 80 |
| 18 | 18 | 18 | 40 | 40 | 40 |
| 30 | 30 | 30 | 247 | 247 | 247 |
| 341 | 341 | 341 | 31 | 31 | 31 |
| 875 | 875 | 875 | 353 | 353 | 353 |
| 12 | 12 | 12 | 553 | 553 | 553 |
| 341 | 341 | 341 | 3472 | 3472 | 3472 |
| 18 | 18 | 18 | 5 | 5 | 5 |
| 337 | 337 | 337 | 353 | 353 | 353 |
| 0 | 0 | 0 | 353 | 353 | 353 |
| 48 | 48 | 48 | 353 | 353 | 353 |

GEL
RAPID DALL

DESITTER

DESITTER

DESITTER
GEL 1000
R.P.D. DALL

1 AM DES
5 AM D.S.

1 AM = R

2 P.M. D
4 P.M.

8 P.M. D
10

| PUMP | ROTARY SPEED | WEIGHT ON BIT | MUD WEIGHT | VISCOSITY | WELLS |
|---------|--------------|---------------|------------|-----------|-------|
| 66 1550 | 56 | 20 | 9.4 | 38 | 9.4 |
| 66 1550 | 56 | 20 | 9.4 | 50 | 9.5 |
| 66 1550 | 56 | 20 | 9.4 | 48 | 9.5 |
| 66 1550 | 56 | 20 | 9.2 | 80 | 9.5 |
| 66 1550 | 56 | 20 | 7.1 | 47 | 9 |
| 66 1550 | 56 | 20 | 9.2 | 46 | 9.5 |
| 66 1550 | 56 | 20 | 9.1 | 43 | 9.5 |
| 66 1550 | 56 | 20 | 7.1 | 47 | 9.5 |
| 66 1550 | 56 | 20 | 9.2 | 61 | 9.5 |

| | | | | | |
|---|-----|--------|--------------|------|------|
| 5 | 834 | 912166 | 588 SECURITY | 2-16 | 3233 |
|---|-----|--------|--------------|------|------|

| | | | | | |
|------|------|------|----|---------|-------|
| CORE | TYPE | FROM | TO | REMARKS | DEPTH |
| | | | | | |

| NAME | POSITION | TIME |
|---------------|----------|-----------|
| JOHN FEDYK | DRILLER | MORNING |
| JOHN TILLY | DRILLER | AFTERNOON |
| G. SKINNER | DRILLER | NIGHT |
| REN MAREK | DEAR | 330 |
| JOHN TALKNACK | HELPER | 3415 |
| PHIL POTTER | HELPER | 3203 |
| DALL MAREK | HELPER | |
| ALLAN HISA | HELPER | |

9 73
 6
 7
 0
 2
 56
 20

| CHEMICALS ADDED | | From | To |
|-----------------|---------|------|------|
| Kind | Amount | | |
| | | 1200 | 1215 |
| GEL | 20 BAGS | 1215 | 1245 |
| RAPID DRILL | 4 BAGS | 1245 | 115 |
| | | 115 | 800 |
| DESILTER HRS 8 | | | |
| | | 800 | 1015 |
| | | 1015 | 1115 |
| | | 1115 | 400 |
| DESILTER 8 | | | |
| GEL 1000 | | 400 | 415 |
| RAPID DRILL | | 415 | 700 |
| | | 700 | 730 |
| | | 730 | 1200 |

OTHER HOURLY OPERATING DETAIL
 WORK DONE

Rig set up BOPS
 DRILL
 CIR & SURVEY
 MILL

PUMP P&S AT 37 SPM 525 LBS

Drilling 8 1/2" hole
 Circ Survey (24 1/2" Rig Service)
 Check Bops, Crown H. Valve, Kelly, etc.
 Break PWS
 Drilling 8 1/2" hole

Rig Service & Check Bops
 Drilling 8 1/2" hole
 Circ Survey (3500 - 2")
 Drilling 3 1/2" hole

2 AM DESILTER UNDERFLOW 7.9 OUTFLOW 9.4
 5 AM DESILTER UNDERFLOW 9.8 OUTFLOW 9.3

PUMP # 2 AT 37 SPM - CIR PRES. IS 525 PSI

2 P.M. DESILTER UNDERFLOW 9.9 OUTFLOW 9.0
 4 P.M. 10.2 OUTFLOW 9.0

8 P.M. DESILTER UNDERFLOW 10.1 OUTFLOW 9.0
 10 10.1 9.0

Handwritten signature
 100-1111-1111-1111

TOUR REPORT

GP DRILLING

15

WELL WHITE FISH CHEMUN SORE 47 J70

FEB 12

197

| | END OF MORNING TOUR | | | END OF DAY TOUR | | | END OF 24 HOUR TOUR | | |
|---------------------|---------------------|----|------|-----------------|---|------|---------------------|---|-------|
| STANDS | 28 | 2 | 654 | 27 | 2 | 275 | 29 | 3 | 2781 |
| ROD | 1 | | 3163 | | | | 1 | 2 | 78162 |
| DEPTH | | | | | | | | | |
| COG | 7 | 16 | 555 | | | 555 | | | 555 |
| TOTAL DEPTH | | | 3242 | | | 3316 | | | 3337 |
| FEEDING RATE | | | 20 | | | 17 | | | 23 |
| DEPTH | | | 3262 | | | 3318 | | | 3370 |
| DEPTH END OF TOUR | | | | | | | | | |
| DEPTH START OF TOUR | | | 3262 | | | 3318 | | | 3318 |
| DEPTH | | | 29 | | | 56 | | | 52 |

CEL

Handwritten notes

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PUMP | 64 | 145 | 64 | 145 | 64 | 145 | 64 | 145 | 64 |
| ROTARY SPEED | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| WEIGHT ON BIT | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| MUD WEIGHT | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| VISCOSITY | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| WEIGHT | | | | | | | | | |

Handwritten notes

| NO. | IN | SECT. | NO. | IN | SECT. |
|-----|-----|--------|-----|----------|---------|
| 8 | 3/4 | 912111 | 588 | SECURITY | 2-4-1-4 |

| | MORNING TOUR | DAY TOUR | AFTERNOON TOUR |
|--------------|------------------|--------------|----------------|
| DRILLER | JOHN FFEDYK | John K... .. | GARRY SCRINNER |
| DRILL MAN | RON MEAKS | W... .. | ... |
| FEEDER | JOHN N. YACKNACK | ... | ... |
| HELPER | PHIL POTTER | ... | ... |
| HELPER | DALE MEKEX | ... | ... |
| EMERSON | | | |
| TRUCK DRIVER | | | |

34800 SCISSOR WHITE FISH 3 T 5 20

OTHER HOURLY OPERATING DETAIL
WORK DONE

| ML | CHM | CALS | ADDED | From | To | WORK DONE |
|-----|-----|------|-------|------|------|---|
| 193 | | | | 1200 | 130 | PUT NEW TANGLE CHAIN ON ROTARY DRIVE |
| 2 | GEL | 24 | BAGS | 130 | 300 | RUN IN BIT #5 |
| | | | | 300 | 430 | REPACK SWIVEL |
| | | | | 430 | 800 | DRILL |
| 7 | | | | 800 | 1100 | WORKING ON HOLE |
| | | | | 1100 | 1145 | CALL SURVEY @ 3882 174 Rig Service |
| | | | | 1145 | 1145 | CALL LLOYD H. HATHCO, KELLY CO. R |
| | | | | 1145 | 400 | CALL ST. JOHNS, RIGGING CO. |
| | | | | 400 | 700 | DRILL |
| | | | | 700 | 730 | RIG SER. CHECK VALVES |
| | | | | 730 | 12 | IN NO. 2 PUMP & SURVEY |
| | | | | | | DRILL |

#2 Pump hole
27 strokes 625'

#2 Pump G-700 5/2 x 14
625 PSI AT 27 STROKES - 1000 WT - 9.6 #/gal
DESILTER. V. FLOW 10.5
O. FLOW 9.20

Will write up the report on the work done on the rig and the results of the treatment. The rig is now ready to start the treatment. The rig is now ready to start the treatment. The rig is now ready to start the treatment.

[Signature]
SIGNATURE (NAME AND TITLE)

TOUR REPORT

FIELD *WHITE PISH*

CHALCOON SOB

GP DRILL

15

CHEUR

DATE DRILLING BEGAN

YT 570

FEB 11

1973

| STANDARD | NO. | START TIME | END TIME | START TIME | END TIME |
|----------|-----|------------|----------|------------|----------|
| | 2 | 5:60 | 0:6 | 28 | 2:65 |
| | 2 | 6:3 | 1:7 | | 28 |
| | 7 | 1:6 | 5:53 | 1:6 | 5:53 |
| | | | 3:17 | | |
| | | | 3:19 | | |
| | | | 3:23 | | |
| | | | 3:17 | | |
| | | | 5:5 | | |

8EL

CAUSTIC

| PUMP | ROTARY SPEED | WEIGHT ON BIT | MUD WEIGHT | VISCOSITY |
|---------|--------------|---------------|------------|-----------|
| 64 1450 | 56 | 25 | 9.6 | 38 |
| 64 1450 | 56 | 25 | 9.6 | 38 |
| 64 800 | 56 | 25 | 9.6 | 38 |
| 68 700 | 56 | 25 | 9.6 | 38 |
| 68 900 | 56 | 25 | 9.6 | 38 |

| | | | | | |
|-----|-------|-------|-------|----------|-------------------|
| NO. | SIZE | TYPE | DEPTH | TIME | REMARKS |
| 4 | 8 3/4 | 41743 | 388 | SECURITY | 2-16 2983 233 250 |

| | |
|-------------|---------------|
| CORE NO. | |
| TYPE | |
| FROM | |
| TO | |
| HOURS | |
| SIGNATURE | |
| DIRECTOR | JOHN FEDYK |
| DEWELPER | RON MAREK |
| HELPER | JOHN MACKNACK |
| HELPER | PHILL POTTER |
| HELPER | DALE MAREK |
| FIREMAN | |
| TOOL PUSHER | |

G SKINNER
A. HIGA

CHEVRON 503B WM WHITEFISH Y.T. J-70

| CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-----------------|---------|-------|-------|---|
| Kind | Amount | | | |
| GEL | 20 BAGS | 12:00 | 12:15 | RIGSKIP - BOPS |
| | | 12:15 | 12:45 | DRILL |
| | | 12:45 | 1:15 | CIRAC & SURVEY |
| | | 1:15 | 2:00 | DRILL |
| | | 2:00 | 2:15 | WORK ON PUMPS |
| | | 2:15 | 5:15 | DRILL |
| | | 5:15 | 6:00 | WORK ON 3700 PUMPS |
| | | 6:00 | 8:00 | DRILL |
| CAUSTIC | 2 BARS | 8:00 | 9:15 | LEADING 1 3/4" HOLE |
| | | 9:15 | 7:45 | STOP ON HOLE. Rig Service Check Hops & Down |
| | | 7:45 | 11:15 | H HOLE, BRACE PINS |
| | | 11:15 | 11:45 | Leading 8 1/2" hole |
| | | 11:45 | 2:45 | CIRSE SURVEY 3216 1 1/2" |
| | | 2:45 | 3:15 | DRILLING 8 1/2" HOLE |
| | | 3:15 | 7:00 | CIRCULATE TO Trip and adjust |
| | | 7:00 | 6:30 | WELL KELLY START OUT OF HOLE |
| | | 6:30 | 8:00 | TRIP OUT HOLE WASH FOR WASH |
| | | 8:00 | 12:00 | IN PIPE LAY DOWN 2 D.C. PINTO Box washed Run D.C. Pick 2 COLLERS WORK ON RETURN LOGS INSTALL NEW DIAPHRAGM TO CO Pump GAUGE PUT ON NEW PUMP ON DLSITER. |

DRILLED THROUGH TO 5 3/4" HOLE. LOST ALL FLUID THROUGH
 AT 6:30 TIME. HAD CHANGE LOG TEST & CHECKS. ENT. OK.
 RETURNED WE GOT TO HOLE. LOST ALL FLUID AT 7:00 PM.
 TRIPPED OUT OF HOLE. FOR FIX IN THE BOTTOM HOLE
 COLLAR AND THE BOTTOM END OF COLLAR #2 WERE
 WASHED OUT AND DOWN THE TUB. WELL CHECKS WERE
 MADE UP THE WELL.

INSTALLED 2" DIAPHRAGM TO CO Pump GAUGE
 INSTALLED NEW PUMP ON DLSITER

Handwritten signature
 [Illegible Name]
 [Illegible Title]

TOUR REPORT

UNIT: WHITE FISH CHALMON SOBRC YR: 570 BP DALLING 15
 DATE: 2-11-10 1975

| START | END | START | END | START | END | START | END |
|----------|------------|------------|--------|-------|-----|--------|-----|
| 2 371 06 | 20 2466 06 | 27 2560 06 | | | | | |
| 63 12 | 31 55 | | | | | | |
| 7 10 | 553 25 | 18 11 | 553 25 | | | 553 25 | |
| 2 987 43 | 2 11 1 | 3 11 31 | | | | | |
| 25 00 | 19 13 | 27 20 | | | | | |
| 3 012 43 | 3 070 00 | 3 11 051 | | | | | |
| 2 012 | 3 070 | 3 11 0 | | | | | |
| 2 993 | 3 012 | 3 070 | | | | | |
| 2 1 | 59 | 10 | | | | | |

CEL
~~Handwritten~~

CEL

CEL 1500
 CAUSTIC 50

| PUMP | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
|------|------|------|------|------|------|------|------|------|------|
| 1450 | 1450 | 1150 | 1150 | 1300 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 40 | 54 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 42 | 42 | 55 | 51 | 42 | 41 | 37 | 37 | 39 | 37 |

4 8 3/4 412743 588 SECURITY 2-11-10 3 3/4 2983

18 3140157 IN

NAME
 TYPE
 FROM
 TO
 REASON
 HOURS

| SIGNATURE | NAME | TIME | REASON | HOURS |
|--------------|--------------|------|----------|-------|
| JOHN FEELY | JOHN FEELY | 5:57 | PERSONAL | 1 1/2 |
| REN MA-PA | REN MA-PA | 3:21 | PERSONAL | 1 1/4 |
| JOHN MALKER | JOHN MALKER | | | |
| PHILL PORTER | PHILL PORTER | | | |
| JOHN MARK | JOHN MARK | | | |
| FIREMAN | | | | |
| TOOL PUNISH | | | | |

TOUR REPORT

CONTRACTOR **G P DRIG**

DATE **19**

FIELD **WHITE FISH**

WELL NAME **CHAUKOYSOB**

WELL ID **YT J70**

DRILLING DEEPENING COMPLETION

REDRILLING ABANDONING REWORKING

July 9

1973

CHEM
MUD CHEM
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | | | | | |
|-------------------------|------|---------------------|----|---|---|----------------------|------|-------|----|-----------------------|---|---|------|-------|----|---|---|---|------|
| STANDS | D.P. | NO 24 | 22 | 7 | 7 | 2 | 9 | NO 25 | 23 | 7 | 1 | 0 | 6 | NO 25 | 23 | 7 | 1 | 0 | 6 |
| SINGLE | D.P. | NO 1 | | | | | | NO 1 | | | | | | | | | | | |
| X OVER SUB | O.D. | | | | | | | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | 7 | 18 | | | 5 | 5 | 18 | | | | | 5 | 5 | | | | | |
| DRILL COLLARS | O.D. | NO 18 | | | | | | | | | | | | | | | | | |
| REAMER | O.D. | | | | | | | | | | | | | | | | | | |
| STABILIZER | O.D. | | | | | | | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 2 | 8 | 6 | 2 | 6 | | | | | | | 2 | 9 | 5 | 7 | 2 | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | 1 | 7 | 2 | 5 | | | | | | 3 |
| DEPTH OF TOOLS | | | 2 | 8 | 9 | 6 | 4 | | 2 | 9 | 7 | 0 | | | 2 | 9 | 8 | 3 | 7 |
| TOUR | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | | | | | | | |
| DEPTH END OF TOUR | | | 2 | 8 | 9 | 6 | FEET | | 2 | 9 | 7 | 0 | FEET | | 2 | 9 | 7 | 0 | FEET |
| DEPTH START OF TOUR | | | 2 | 8 | 0 | 8 | FEET | | 2 | 8 | 7 | 6 | FEET | | 2 | 9 | 8 | 3 | FEET |
| FOOTAGE DRILLED | | | | | | 8 | 8 | FEET | | | | | FEET | | | | | | 1 |

GEL RAPIDDRILL

GEL

| | NO | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | | |
|---------------|---------|--------------|---------|---------|---------|---------------|---------|---------|---------|----------------|---------|---------|---------|------|
| | | 7:30 AM | 4:00 AM | 7:00 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | |
| PUMP | 64 | 1350 | 64 | 1375 | 64 | 1375 | 64 | 1350 | 64 | 1350 | 64 | 1350 | 64 | 1350 |
| ROTARY SPEED | RPM | 126 | 120 | 120 | 120 | | | | | | 110 | | | |
| WEIGHT ON BIT | M lbs | 10 | 10 | 10 | 10 | | | | | | 10-15 | | | |
| MUD WEIGHT | lb/gal | 9.2 | 9.2 | 9.3 | 9.2 | 9.3 | 9.4 | 9.6 | 9.6 | 9.6 | | | | |
| VISCOSITY | sec/cst | 40 | 42 | 38 | 40 | 41 | 40 | 37 | 37 | 38 | | | | |
| W.L. P.C. | cc/30nd | | | | | | | | | | | | | |

pH
MUD LEVEL IN TANKS

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | TOUR | START | STOP | FEET |
|-----|-------|--------|-------------------|------|-------|-------|------|
| 3 | 8 3/4 | 47771 | HW X 16 | 2-11 | 7:10 | 18:14 | 2726 |
| | | | | | | | 2983 |
| | | | | | | | 267 |

| CORE | No | No | OST NO | FROM |
|----------|----|----|----------|------|
| TYPE | | | PREFLOW | |
| FROM | | | EST | |
| TO | | | V.O. | |
| Recovery | | | EST | |
| HOURS | | | RECOVERY | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------|------------------------------------|----------------|
| DRILLER | JOHN FEDYK | John Mack GARRY SKINNER | |
| DERRICKMAN | RON MAREK | RON MAREK John Potter | 2800 1 1/2 |
| HELPER | JOHN MACKNACK | John Macknack | 2860 1 1/4 |
| HELPER | PHILL POTTER | Phil Potter | 2932 1 1/4 |
| HELPER | DALE MAREK | Dale Marek | 2983 1 1/2 |
| FIREMAN | | John Young | |
| TOOL PUSHER | | | |

TOUR REPORT

CONTRACTOR **G P DRIG**

DATE **19**

FIELD **WHITE FISH**

WELL NAME **CHAUKOYSOB**

WELL ID **YT J70**

DRILLING DEEPENING COMPLETION

REDRILLING ABANDONING REWORKING

July 9

1973

CHEM
MUD CHEM
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | | | | | |
|-------------------------|------|---------------------|----|---|---|----------------------|------|-------|----|-----------------------|---|---|------|-------|----|---|---|---|------|
| STANDS | D.P. | NO 24 | 22 | 7 | 7 | 2 | 9 | NO 25 | 23 | 7 | 1 | 0 | 6 | NO 25 | 23 | 7 | 1 | 0 | 6 |
| SINGLE | D.P. | NO 1 | | | | | | NO 1 | | | | | | | | | | | |
| X OVER SUB | O.D. | | | | | | | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | 7 | 18 | | | 5 | 5 | 18 | | | | | 5 | 5 | | | | | |
| DRILL COLLARS | O.D. | NO 18 | | | | | | | | | | | | | | | | | |
| REAMER | O.D. | | | | | | | | | | | | | | | | | | |
| STABILIZER | O.D. | | | | | | | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 2 | 8 | 6 | 2 | 6 | | | | | | | 2 | 9 | 5 | 7 | 2 | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | 1 | 7 | 2 | 5 | | | | | | 3 |
| DEPTH OF TOOLS | | | 2 | 8 | 9 | 6 | 4 | | 2 | 9 | 7 | 0 | | | 2 | 9 | 8 | 3 | 7 |
| TOUR | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | | | | | | | |
| DEPTH END OF TOUR | | | 2 | 8 | 9 | 6 | FEET | | 2 | 9 | 7 | 0 | FEET | | 2 | 9 | 7 | 0 | FEET |
| DEPTH START OF TOUR | | | 2 | 8 | 0 | 8 | FEET | | 2 | 8 | 7 | 6 | FEET | | 2 | 9 | 8 | 3 | FEET |
| FOOTAGE DRILLED | | | | | | 8 | 8 | FEET | | | | | FEET | | | | | | 1 |

GEL RAPIDDRILL

GEL

| | DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------|----------|--------------|---------|---------|---------|---------------|---------|---------|---------|----------------|---------|---------|---------|
| | | 7:30 AM | 4:00 AM | 7:00 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM |
| PUMP | SPM | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| | D.P. | 1350 | 1375 | 1375 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| ROTARY SPEED | R.P.M. | 120 | 120 | 120 | 120 | | | | | 110 | | | |
| WEIGHT ON BIT | M. lbs | 10 | 10 | 10 | 10 | | | | | 10-15 | | | |
| MUD WEIGHT | lb/gal | 9.2 | 9.2 | 9.3 | 9.2 | 9.3 | 9.4 | 9.6 | 9.6 | 9.6 | | | |
| VISCOSITY | SEC/CM | 40 | 42 | 38 | 40 | 41 | 40 | 37 | 37 | 38 | | | |
| W.L. P.C. | cc/30nd | | | | | | | | | | | | |

| | |
|--------------------|------|
| pH | |
| MUD LEVEL IN TANKS | FEET |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | TOUR | START | STOP | FEET |
|-----|-------|--------|-------------------|------|-------|-------|------|
| 3 | 8 3/4 | 47771 | HW X 16 | 2-11 | 7:10 | 18:14 | 2726 |
| | | | | | | | 2983 |
| | | | | | | | 267 |

| CORE | No. | No. | OST NO. | FROM |
|----------|-----|-----|----------|------|
| TYPE | | | PREFLOW | |
| FROM | | | EST | |
| TO | | | V.O. | |
| Recovery | | | EST | |
| HOURS | | | RECOVERY | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|------------------------------------|----------------|
| DRILLER | JOHN FEDYK | John Mack GARRY SKINNER | |
| DERRICKMAN | RON MAREK | RON MAREK Tom Potter | 2800 1 1/2 |
| HELPER | JOHN MACKNACK | Wm. Wages | 2860 1 1/4 |
| HELPER | PHILL POTTER | not logged | 2932 1 1/4 |
| HELPER | DALE MAREK | Tom Torgerson | 2983 1 1/2 |
| FIREMAN | | SP. AM young | |
| TOOL PUSHER | John Mack | | |

TOUR REPORT

CONTRACTOR **G P DRIG**

DATE **19**

FIELD **WHITE FISH**

WELL NAME **CHAUKOYSOB**

WELL ID **YT J70**

DRILLING DEEPENING COMPLETION

REDRILLING ABANDONING REWORKING

July 9

1973

CHEM
MUD CHEM
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | | | |
|-------------------------|------|---------------------|----|---|---|----------------------|-------|----|----|-----------------------|------|-------|----|---|---|------|
| STANDS | D.P. | NO 24 | 22 | 7 | 7 | 29 | NO 25 | 23 | 7 | 1 | 06 | NO 25 | 23 | 7 | 1 | 06 |
| SINGLE | D.P. | NO 1 | | | | 3 | NO 1 | | | | 4 | NO 1 | | | | 3 |
| X OVER SUB | O.D. | | | | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | 7 | 18 | 5 | 5 | 3 | 18 | 5 | 5 | 3 | 2 | 5 | 5 | 5 | 3 | 2 |
| DRILL COLLARS | O.D. | NO 18 | | | | | NO | | | | | NO | | | | |
| REAMER | O.D. | | | | | | | | | | | | | | | |
| STABILIZER | O.D. | | | | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 28 | 6 | 2 | 26 | | | | | | 29 | 5 | 7 | 2 | |
| KELLY DOWN (BELOW R.B.) | | | | 3 | 4 | 20 | | | 17 | 2 | 5 | | | 3 | 6 | 00 |
| DEPTH OF TOOLS | | | 28 | 9 | 6 | 46 | | 29 | 7 | 0 | | 29 | 8 | 3 | 7 | 2 |
| TOUR | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | | | | |
| DEPTH END OF TOUR | | | 28 | 9 | 6 | FEET | | 29 | 7 | 0 | FEET | | 29 | 7 | 0 | FEET |
| DEPTH START OF TOUR | | | 28 | 0 | 8 | FEET | | 28 | 7 | 6 | FEET | | 29 | 8 | 3 | FEET |
| FOOTAGE DRILLED | | | | 8 | 8 | FEET | | | | | FEET | | | 1 | 3 | FEET |

GEL RAPIDDRILL

GEL

| | DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------|----------|--------------|---------|---------|---------|---------------|---------|---------|---------|----------------|---------|---------|---------|
| | | 7:30 AM | 4:00 AM | 7:00 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM | 7:30 AM | 7:45 AM |
| PUMP | SPM | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| | D.P. | 1350 | 1375 | 1375 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| ROTARY SPEED | R.P.M. | 120 | 120 | 120 | 120 | | | | | 110 | | | |
| WEIGHT ON BIT | M. lbs | 10 | 10 | 10 | 10 | | | | | 10-15 | | | |
| MUD WEIGHT | lb/gal | 9.2 | 9.2 | 9.3 | 9.2 | 9.3 | 9.4 | 9.6 | 9.6 | 9.6 | | | |
| VISCOSITY | SEC/CM | 40 | 42 | 38 | 40 | 41 | 40 | 37 | 37 | 38 | | | |
| W.L. P.C. | cc/30nd | | | | | | | | | | | | |

| | |
|--------------------|------|
| pH | |
| MUD LEVEL IN TANKS | FEET |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | TOUR | START | STOP | FEET |
|-----|-------|--------|-------------------|------|-------|-------|------|
| 3 | 8 3/4 | 47771 | HW X 16 | 2-11 | 7:10 | 18:14 | 2726 |
| | | | | | | | 2983 |
| | | | | | | | 267 |

| CORE | No. | No. | OST NO. | FROM |
|----------|-----|-----|----------|------|
| TYPE | | | PREFLOW | |
| FROM | | | EST | |
| TO | | | V.O. | |
| Recovery | | | EST | |
| HOURS | | | RECOVERY | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|------------------------------------|----------------|
| DRILLER | JOHN FEDYK | John Mack GARRY SKINNER | |
| DERRICKMAN | RON MAREK | RON MAREK Tom Potter | 2800 1 1/2 |
| HELPER | JOHN MACKNACK | Wm. Wages | 2860 1 1/4 |
| HELPER | PHILL POTTER | not logged | 2932 1 1/4 |
| HELPER | DALE MAREK | Tom Torgerson | 2983 1 1/2 |
| FIREMAN | | SP. AIR young | |
| TOOL PUSHER | John Mack | | |

CHEVRON SIDE WY WINDFALL Y T 5-20

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------------------|------------------|--|
| Kind | Amount | | | |
| TOUR 1 | | 12 ⁰⁰ | 12 ¹⁵ | RIG SER & BOPS |
| GEL | 3500 | 12 ¹⁵ | 12 ³⁰ | DRILL |
| RAPIDDRILL | 5 BAGS | 12 ³⁰ | 1 ⁰⁰ | CIRC & SURVEY |
| | | 1 ⁰⁰ | 5 ³⁰ | DRILL |
| | | 5 ³⁰ | 6 ⁰⁰ | CIRC & SURVEY |
| | | 6 ⁰⁰ | 8 ⁰⁰ | DRILL |
| TOUR 2 | | 8 ⁰⁰ | 8 ¹⁵ | Drilling 8 3/4" hole |
| GEL | 500 lb | 8 ¹⁵ | 9 ¹⁵ | Rig Service Check Bore Crown & Make - Back Pin |
| | | 9 ¹⁵ | 11 ⁰⁰ | Drilling 8 3/4" hole |
| | | 11 ⁰⁰ | 11 ³⁰ | CIRC to SURVEY @ 2932 1/4° |
| | | 11 ³⁰ | 3 ³⁰ | Drilling 8 3/4" hole |
| | | 3 ³⁰ | 4 ³⁰ | Work on Rotary Chain. |
| TOUR 3 | | 11 ⁰⁰ | | INSTALL NEW CHAIN ON ROTARY |
| | | 5 ¹⁵ | 5 ¹⁵ | & REPAIR OIL LINE & RIG SER |
| | | 6 ³⁰ | 6 ³⁰ | DRILL |
| | | 7 ⁰⁰ | 7 ⁰⁰ | CIR |
| | | 9 ³⁰ | 9 ³⁰ | BLOW KELLY DROP SURVEY |
| | | 12 ⁰⁰ | 12 ⁰⁰ | TRIP OUT AT 2983 STARP |
| | | | | SLIP & CUT 63' D/LINE |
| | | | | WORK ON TORQUE |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

BOARD 2995.92

STARP 2995.72

0.20 DIFF

David M. ...
SIGNATURE COMPANY OF ...

TOUR REPORT

CHEVRON SUBCONTRACTOR **G. P. DRIG**

WELL NO. **15**

FIELD **Wildcat** WELL NAME **WHITE FISH** UNIT **YT** SEC **I70** TWP

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FEB 8TH

1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | | | | | |
|-------------------------|---------------------|------|----|----------------------|------|----|-----------------------|---------------|------|----|----|----------------|----|
| STANDS | D.P. | NO | 21 | 1993 | 32 | NO | 2 | 2088 | 30 | NO | 23 | 2187 | 69 |
| SINGLE | D.P. | NO | 2 | 63 | 25 | NO | 2 | 63 | 70 | NO | 1 | 51 | 7 |
| X OVER SUB | O.D. | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | 7" O.D. | NO | 18 | 553 | 25 | | | 553 | 25 | | | 553 | 25 |
| DRILL COLLARS | O.D. | KIND | | | | | | | | | | | |
| REAMER | O.D. | KIND | | | | | | | | | | | |
| STABILIZER | O.D. | KIND | | | | | | | | | | | |
| JARS | | KIND | | | | | | | | | | | |
| BUMPER SUB | | KIND | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | 2609 | 82 | | | 2705 | 95 | | | | |
| KELLY DOWN (BELOW R.B.) | | | | 20 | 18 | | | 20 | 75 | | | 10 | 20 |
| DEPTH OF TOOLS | | | | 2630 | 00 | | | 2726 | 00 | | | 2808 | 54 |
| TOUR | | | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | | | 2630 | FEET | | | 2726 | FEET | | | | |
| DEPTH START OF TOUR | | | | 2550 | FEET | | | 2630 | FEET | | | 2726 | |
| FOOTAGE DRILLED | | | | 80 | FEET | | | 96 | FEET | | | | |

TOUR 1
1" STREAM W/2

Let 2500'
RAPID PA 14 4

Let 2500'
RAPID PA 10
CAUSE

| DAY WORK | HOURS | | | | | | | |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM |
| PUMP | 52 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 |
| ROTARY SPEED | RPM | 110 | 115 | 115 | 115 | 115 | 115 | 120 |
| WEIGHT ON BIT | lb | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| MUD WEIGHT | lb gal | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.3 | 9.2 |
| VISCOSITY | sec qt | 40 | 60 | 55 | 55 | 50 | 35 | 36 |
| WL F.C. | cc 32nd | | | | | | | 45 |
| pH | | 8.5 | 8.5 | | | | | |
| MUD LEVEL IN TANKS | ft | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | TOUR | START | STOP | FEET | REMARKS |
|-----|-------|--------|-------------------|--------|-------|------|------|---------|
| 2 | 8 3/4 | 38425 | H.W XIG | 3-10 | 2000 | 2726 | 726 | 7-6 |
| 3 | 8 3/4 | 47771 | H.W XIG | 21-110 | 4 1/4 | 2726 | 2808 | 82 |

| CORE | No | No | DST No | TOUR | START | STOP | FEET | REMARKS |
|----------|----|----|----------|------|-------|------|------|---------|
| TYPE | | | PREFLOW | | | | | |
| FROM | | | ISF | | | | | |
| TO | | | V.D. | | | | | |
| Recovery | | | F.S.I. | | | | | |
| HOURS | | | RECOVERY | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|---------------|--------------------------|
| DRILLER | MORLEY THOMPSON | JOHN FEDYK | J TYLER |
| DERRICKMAN | GORDON WRIGHT | | Wm. Wagsstaff 2550 13° |
| HELPER | Finlay Judson | JOHN MACKNACK | L. S. JAHKIN 2610 1° |
| HELPER | ISSAC THOMAS | PHILL POTTER | S. TARGERSON 2670 1° |
| HELPER | William Linklater | | BRIAN YOUNG 2777 13 1/4° |
| FIREMAN | | | |
| TOOL PUSHER | DR THOMAS | | |

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|-------------------|------|------|--|
| 973 | | 1200 | 1230 | RIG SER + V B.O.P SURVEY |
| JR | TOUR 1 | 1230 | 615 | DRILL |
| 9 FT | 1" STREAM WATER | 615 | 700 | SURVEY |
| 7 FT | | 700 | 800 | DRILL |
| FT | | | | |
| FT | | | | |
| 5 FT | | | | |
| FT | | | | |
| FT | TOUR 2 | 800 | 815 | RIG SER ✓ BOPS |
| FT | | 815 | 900 | REPLACE CAP GASKET ON PUMP |
| FT | LEN 2010 16 | 900 | 1145 | DRILL |
| FT | RAPID DRILL 4 16 | 1145 | 1215 | CIRC WORK PIPE & SURV |
| FT | | 1215 | 230 | DRILL |
| FT | | 230 | 245 | DROP SURVEY |
| FT | | 245 | 400 | TRIP OUT FOR BIT # 3 |
| 0 FT | | | | |
| 4 FT | TOUR 3 | 400 | 435 | Finish Out - KEC. V.B.K Survey |
| FT | LEN 2508 16 | 435 | 500 | Rig Service, Check Blind RINGS, P.P.G. RAM |
| FT | RAPID DRILL 20 16 | | | & CROSSIN - A - M.L.C. |
| FT | CAUSTIC 25X | 500 | 715 | Run in & Clean 90' to bottom. |
| FT | | 715 | 1000 | DRILLING 8 3/4" HOLE |
| FT | | 1000 | 1035 | CIRC SURV 4 & 277' 1 3/4" |
| FT | | 1035 | | DRILLING 8 3/4" HOLE |

CEMENTING TO BE DONE SEPARATELY FOR DETAILS INCLUDING ENGINEERING SUMMARIES

Handwritten Signature
 SIGNATURE COMPANY ENGINEER

10
 13/4

TOUR REPORT

CHEVRON SOBE CONTRACTOR **G.P. Drilling** 15

FIELD **Wild Cat**

WELL NAME **WHITEFISH** NO. **YT** SEC. **J70**

- DRILLING
- DEEPENING
- COMPLETING
- REDRILLING
- ABANDONING
- REWORKING

JEB 7 1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-------------------------|------------------------|----------------------|-----------------------|
| STANDS | D.P. NO 19 180170 FT | NO 20 189692 | NO 20 189692 |
| SINGLE | D.P. NO | NO | 2 3368 |
| X OVER SUB | O.D. | | |
| OTHER | O.D. | | |
| DRILL COLLARS | 7" O.D. 18 55325 | 55325 | 55325 |
| DRILL COLLARS | O.D. NO | NO | |
| REAMER | O.D. KIND | KIND | |
| STABILIZER | O.D. KIND | KIND | |
| JARS | KIND | KIND | |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | | 245017 | |
| KELLY DOWN (BELOW R.B.) | 1005 | 4020 | |
| DEPTH OF TOOLS | 238500 | 249037 | |
| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
| DEPTH END OF TOUR | 2365 | 2490 | 2550 |
| DEPTH START OF TOUR | 2250 | 2365 | 2490 |
| FOOTAGE DRILLED | 115 | 125 | 60 |

| DAY WORK | 5:00 AM | 5:30 AM | 6:00 AM | 6:30 AM | 7:00 AM | 7:30 AM | 8:00 AM | 8:30 AM | 9:00 AM | 9:30 AM | 10:00 AM |
|---------------|-----------------|-----------------|-----------------|---------|---------|---------|---------|---------|---------|---------|----------|
| PUMP | 50 1700 | 50 1700 | 50 1750 | 50 1700 | 50 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 | 52 1700 |
| ROTARY SPEED | 110 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 110 | 110 |
| WEIGHT ON BIT | 12 ^m | 12 ^m | 12 ^m | 12 | 15 | 20 | 20 | 20 | 20 | 15 | 15 |
| MUD WEIGHT | 93 | 93 | 9.2 | 9.2 | 9.4 | 9.4 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| VISCOSITY | 35 | 37 | 38 | 38 | 48 | 70 | 56 | 50 | 50 | 46 | 44 |
| W.L.F.C. | | | | | | | | | | | |
| pH | | | | | | | | | | 8.5 | |

| | | |
|--------------------|----------|--|
| MUD LEVEL IN TANKS | Et. Ins. | |
|--------------------|----------|--|

| NO. | SIZE | SERIAL | BIT | RECEIVED | DATE | BY | REMARKS |
|-----|-------|--------|----------|----------|------|------|----------|
| 2 | 8 3/4 | 38425 | H.W. XIG | 3-10 | 28 | 2000 | 55028 IN |

| CORE | No. | No. | DIST. No. | FROM | TO | RECOVERY | HOURS |
|------|-----|-----|-----------|------|----|----------|-------|
| | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|---------------|----------------------------|
| DRILLER | MORLEY THOMPSON | JOHN FEDYK | Jack Lyle |
| DERRICKMAN | GORDON WRIGHT | | Wm WAGSTAFF Totco 2385 1/2 |
| HELPER | Finlay Judson | JOHN MACKNACK | 1st REV G. HAIN 2300 1/2 |
| HELPER | ISSAC THOMAS | PHILL POTTER | Guy JOHNSON 2490 1/2 |
| HELPER | William Linklater | | BRINIS Young |
| FIREMAN | | | |
| TOOL PUSHER | | | |

TOUR 2
GEL
RAPID DRAG
WATER

GEL 1700 1/2
RAPID DRAG #16

DRILLED
STUCK IN
REMOVE
PAN A
SURVIVE
DEVIATE
AND U
W
CIRCULE

973

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|----------|------|------|
| Kind | Amount | | |
| TOUR 1 | | 1200 | 1215 |
| | | 1215 | 230 |
| | | 230 | 300 |
| | | 300 | 645 |
| | | 645 | 715 |
| | | 715 | 800 |
| TOUR 2 | | 800 | 815 |
| 1' GEL | 40 BAGS | 815 | 930 |
| RAPID DRAG | 8 BAGS | 930 | 1100 |
| WATER | | 1100 | 400 |
| TOUR 3 | | 400 | |
| Gel | 1700 lbs | | |
| RAPID DRAG | 400 lbs | | |
| | | 800 | 400 |
| | | 800 | 1200 |

RIGSERV & V B.O.P.
DRILL
SURVEY
DRILL
SURVEY
DRILL

RIGSERV & BOPS
DRILL
RUN SURVES
DRILL

CIRCULATE & work pipe to Survey 4.
Service lines. Survey bbl. Stuck in dr.
Pipe @ 850'. Trip 10 stds. To Recov.
bbl. & pipe of iron. Run in clean,
bottom circle Survey 4 = 2-11 1/2".
Drilling 8 1/2" hole

CONTINUED LISTING OF SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DRILLED AHEAD. RUN SURVEY 4 BY SURVEY BARREL
STUCK IN DRILL PIPE. PULLED 10 STANDS TO LOCATE AND
REMOVE THE PIECE OF IRON WHICH CAUSED THE PROBLEM.
RAN BACK IN HOLE CLEARED 15 FEET OF FILL.
SURVEY IS DEGREES. DECREASED WEIGHT 20 TO 15 M.
DEVIATION CAME BACK TO 1 DEGREE.
MUD VIS 44 CHLORIDE 800.
WT 9.9
PH 10.0
CIRCULATING UNIT +3.0
+10.0

[Signature]

SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *BP DRILLING & REMED 10*

FIELD *111111* WELL NAME *111111* HOLE NO. *5* SEC *10* TWP *11* R. *11* W. *11*
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING *111111* 19/15

WELL HEAD CHEMICAL Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-------------------------|---------------------|------------------------|----------------------|-----------|-----------------------------|-----------|
| STANDS | D.P. | NO. <i>5</i> 142256 FT | NO. | 151728 FT | NO. <i>(1742)</i> 177512 FT | |
| SINGLE | D.P. | NO. | NO. | 6299 FT | NO. | |
| X-OVER SUB | O.D. | | | | | |
| OTHER | O.D. | | | | | |
| DRILL COLLARS | O.D. | <i>18</i> 55325 FT | <i>18</i> | 55325 FT | 55325 FT | |
| DRILL COLLARS | O.D. | NO. | NO. | | | |
| REAMER | O.D. | | | | | |
| STABILIZER | O.D. | | | | | |
| JARS | O.D. | | | | | |
| BUMPER SUB | O.D. | | | | | |
| BIT OR CORE BARREL | O.D. | | | | | |
| TOTAL D.P. & TOOLS | | | | 213352 FT | 222837 FT | |
| KELLY DOWN (BELOW R.B.) | | 4020 FT | | 4020 FT | 2163 FT | |
| DEPTH OF TOOLS | | 201601 FT | | 217372 FT | 2250 FT | |
| TOUR | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
| DEPTH END OF TOUR | | 2016 FEET | | 2173 FEET | | 2250 FEET |
| DEPTH START OF TOUR | | 1983 FEET | | 2016 FEET | | 2173 FEET |
| FOOTAGE DRILLED | | 33 FEET | | 157 FEET | | 47 FEET |

TOUR 1
GEI 800th
Drilled 2nd

 TOUR 2

 TOUR 3
GENCO
REPAIR DRILL 16th

| DAY WORK | HOURS | | | | | | | TOTAL |
|---------------|---------------------------|---------|---------|---------|--------------------------|--------------------------|--------------------------|-------------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 PM | 2:00 PM | |
| PUMP | <i>62</i> <i>1800</i> | | | 1600 | <i>54</i> <i>1800</i> | <i>54</i> <i>1800</i> | <i>50</i> <i>1700</i> | |
| ROTARY SPEED | RPM <i>80</i> | | | 80 | 60 | 100 | 120 | |
| WEIGHT ON BIT | MT. <i>10^M</i> | | | | 12 | 12 | 15 | |
| MUD WEIGHT | LB/GAL <i>9.6</i> | | | | 9.5 | 9.2 | 9.2 | 9.3 9.3 9.3 |
| VISCOSITY | SP/CP <i>37</i> | | | | 28 | 28 | 28 | 35 35 |
| W.L.F.C. | CC/32nd | | | | | | | |
| pH | | | | | 8.5 | 8.5 | | |

MUD LEVEL IN TANKS

| NO. | SIZE | SERIAL | BIT KIND AND SIZE | FT. USED | TOOL JOBS | TOUR | START | STOP |
|----------|--------------|---------------|-------------------|-------------|-----------|-------------|-------------|----------------|
| <i>1</i> | <i>9 3/4</i> | <i>392186</i> | <i>SEC 544</i> | <i>5-10</i> | <i>30</i> | <i>914</i> | <i>2000</i> | <i>1086</i> |
| <i>2</i> | <i>8 3/4</i> | <i>38425</i> | <i>H.W. X16</i> | <i>3-10</i> | <i>13</i> | <i>2000</i> | <i>2250</i> | <i>250 192</i> |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY |
|------|-----|-----|---------|------|----|----------|
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------------|----------------------|----------------------------------|
| DRILLER | <i>Moyle Thompson</i> | <i>JOHN FELYK</i> | <i>Black Tyler</i> |
| DERRICKMAN | <i>Gordon Wright</i> | | <i>W. Watson Totco</i> 2000 1/4° |
| HELPER | <i>Finley Judson</i> | <i>JOHN MACKNACK</i> | <i>W. Tolson</i> 2070 3/4 |
| HELPER | <i>ISSAC THOMAS</i> | <i>PHIL POTTER</i> | <i>W. Tolson</i> 2173 10 |
| HELPER | <i>William Lintlater</i> | | <i>W. Tolson</i> 2236 10 |
| FIREMAN | | | |
| TOOL PUSHER | <i>W. Tolson</i> | | |

| MATERIALS AND CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | | |
|-------------------------------|--------------------------------|--------|-------------------------------|-------|--|
| | Kind | Amount | From | To | WORK DONE |
| 9/3 | | | | | RIG SERVICE BOP |
| JR | TOUR 1 | | | | DRILL |
| 2 | GEL 800 ^{lb} | | | | SURVEY & BLOW KELLY |
| FT | Drill bit 2 nd | | | 30 | HOIST FOR BIT #2 |
| FT | | | 4:30 | 6:00 | CLEAN MUD TANK |
| FT | | | 6:00 | 7:30 | RUN IN |
| FT | | | 7:30 | 8:00 | DRILL |
| 5 | | | | | |
| FT | | | | | |
| FT | TOUR 2 | | 8:00 | 8:15 | RIG SERVICE BOPS |
| FT | | | 8:15 | 11:45 | DRILL |
| FT | | | 11:45 | 12:30 | SURV MISS RUN |
| FT | | | 12:30 | 1:00 | DRILL |
| FT | | | 1:00 | 1:30 | SURV 2070 2 nd |
| FT | | | 1:30 | 4:00 | DRILL |
| 7 | | | | | |
| FT | | | | | |
| 3 | | | | | |
| FT | TOUR 3 | | 4:00 | 4:45 | CIRC. WORK HOLE SURVEY & RIG SERVICE HOLES |
| FEET | GEL 800 ^{lb} | | 4:45 | 6:30 | DRILLING 8 3/4" HOLE |
| FEET | RIPPER DRILL 16 ^{IDS} | | 6:30 | 7:30 | REPAIR POP VALVE & PUMP, CHANGE HEAD 4/1 |
| FEET | | | 7:30 | 10:15 | DRILLING 8 3/4" HOLE |
| FEET | | | 10:15 | 10:45 | WORK PIP CIRC & SURVEY @ 2236-10 |
| FEET | | | 10:45 | 12:00 | DRILLING 8 3/4" HOLE |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

HOLE TEMPERATURE INCREASED TO 1 1/2 DEGREES
 TRIPPED OUT 5-1/4, CLEANED SHAPER AND
 SETTING TANKS. RAN IN WITH 1 1/2, HOLE
 IN GOOD CONDITION, NO FILL ON HITTER
 NEITHER BUILT DOWN. DISCLOSED LOSS DUE
 TO DUMP OF TANKS TO DECREASE WEIGHT
 DRILLED 12:00


 SIGNATURE COMPANY ENGINEER

TOUR REPORT

WHITE FISH CONTRACTOR G.P. DRILL

REG NO 15

FIELD *Wildcat* WELL NAME *CHEVRON SOB* END *YT* SEC *J 70* TWP

FEB 5th 1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|--------|----|----------------------|----|--------|-----------------------|----|--|
| | NO | FT | NO | FT | NO | FT | NO | FT | |
| STANDS D.P. | 11 | 104347 | 12 | 113761 | 15 | 142256 | | | |
| SINGLE D.P. | | | | 6289 | | | | | |
| X-OVER SUB O.D. | | | | | | | | | |
| OTHER O.D. | | | | | | | | | |
| DRILL COLLARS 7" O.D. | 18 | 55325 | | 55325 | | 55325 | | | |
| DRILL COLLARS O.D. | | | | | | | | | |
| REAMER O.D. | | | | | | | | | |
| STABILIZER O.D. | | | | | | | | | |
| JARS | | | | | | | | | |
| BUMPER SUB | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | 1628 | | 3925 | | 804 | | | |
| DEPTH OF TOOLS | | 161200 | | 179300 | | 198385 | | | |
| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
| DEPTH END OF TOUR | | 1612 | | 1793 | | | | | |
| DEPTH START OF TOUR | | 1352 | | 1612 | | | | | |
| FOOTAGE DRILLED | | 260 | | 181 | | | | | |

TOUR 1
GEL 500#
RAPIDRIL 2#
TOUR 2
GEL 500#
RAPIDRIL 2#
TOUR 3
GEL 2000#
GEL 500#
RAPIDRIL 8#

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 7:30 AM | 4:00 AM | 4:01 AM | 5:00 AM | 10:01 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | 62 | 62 | 62 | 1450 | 62 | 62 | 62 | 1500 | | | | |
| ROTARY SPEED | 160 | 85 | 85 | 80 | 80 | 120 | 80 | | | | | |
| WEIGHT ON BIT | 20 | 10 | 10 | 10 | 20 | 20 | 10 | | | | | |
| MUD WEIGHT | 8.8 | 9.0 | 9.0 | 9.3 | 9.5 | 9.5 | 9.5 | 9.6 | 9.6 | 9.6 | 9.6 | |
| VISCOSITY | 37 | 42 | 43 | 42 | 42 | 38 | 37 | 35 | 35 | 36 | 36 | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | FT. WORN | TOUR | REMARKS |
|-----|-------|--------|-------------------|----------|--------|--------------|
| 1 | 8 3/4 | 392686 | SECURIT, 5 1/4 | 3-10 | 16 3/4 | 698 Running |
| 1 | 8 7/8 | ✓ | ✓ | ✓ | 22 1/4 | 879 1068 110 |

| SIGNATURES | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
|-------------|-------------------|-------|------|----------------|-------|------|----------------|-------|------|
| | NO. | START | STOP | NO. | START | STOP | NO. | START | STOP |
| DRILLER | Morley Thompson | | | JOHN FEDYK | | | | | |
| DERRICKMAN | Gordon Wright | | | | | | 1630 1/4 | | |
| HELPER | Finlay Judson | | | JOHN MACK NACK | | | 1725 1° | | |
| HELPER | ISSAC THOMAS | | | PHIL POTTER | | | 1783 3/4 | | |
| HELPER | William Linklater | | | Kary Torgerson | | | 1857 1° | | |
| FIREMAN | | | | | | | 1920 78° | | |
| TOOL PUSHER | | | | | | | 1983 1 1/2° | | |

| MATERIALS AND CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------------|----------------|-------|-------|--|
| Kind | Amount | | | |
| 973 | | 12 00 | 12 30 | RIG SER & V.B.O.P. |
| JR | TOUR 1 | 12 30 | 1 10 | DRILL |
| 6 FT | GEL 500# | 1 15 | 1 45 | CIRC SURVEY 5° @ 1412 |
| FT | RAPIDRIL 2# | 1 45 | 2 45 | DRILL |
| FT | | 2 45 | 3 15 | CIRC SURVEY 3 1/4° @ 1470 |
| FT | | 3 15 | 5 00 | DRILL |
| 5 FT | | 5 00 | 5 30 | CIRC SURVEY 1/2° @ 1530 |
| FT | | 5 30 | 8 00 | DRILL |
| FT | TOUR 2 | 8 00 | 8 45 | DRILL |
| FT | GEL 500# | 8 45 | 9 15 | RIG SER & SURV 1630 1/4' |
| FT | RAPIDRIL 2# | 9 15 | 11 15 | DRILL |
| FT | | 11 15 | 11 45 | LAY DOWN WASHED SINGLE |
| FT | | 11 45 | 12 15 | DRILL |
| FT | | 12 15 | 1 00 | CIRC & SURV 1725 1' |
| FT | | 1 00 | 1 15 | DRILL |
| 4 FT | | 1 15 | 1 45 | REPAIR AIR CONTROL ON PAN. |
| 5 FT | TOUR 3 | 1 45 | 3 30 | DRILL |
| FEET | GEL 2000 100 | 3 30 | 4 00 | SURV 1783 3/4 |
| FT | CAUSTIC 50 100 | 4 00 | 4 15 | RIG SERVICE & Reps. |
| FT | RAPIDRIL 8# | 4 15 | 6 00 | DRILLING 8 3/4" hole |
| FEET | | 6 00 | 6 30 | CIRC SURVEY 1857 10 |
| FEET | | 6 30 | 8 30 | DRILLING 8 3/4" hole |
| HOURS | | 8 30 | 9 00 | CIRC SURVEY 1920 7/8° |
| PERM | | 9 00 | 11 30 | DRILLING 8 3/4" hole |
| 60 | | | | |
| 75 | | | | |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARY
 11 30 12 00 SURVEY & CIRCULATE @ 1983 1/2°

DRILLED AHEAD, VARIED WEIGHT FROM 10 TO 20 THOUSANDS AS DEVIATION PERMITTED, DESANDER OPERATING WITH AN UNDERFLOW OF 13.2 LB/GAL.

1/4°
1°
3/4°
1°
7/8°
1/2°

TOUR REPORT

CONTRACTOR **G.P. Drilling**

WELL NO **15**

FIELD **WILCOT**

CLIENT **CHEVRON SOBC**

STATE **YT**

WELL TYPE **W**

CHEVRON
MATERIALS CHEMICAL

DATE **FEB. 4** TIME **10:23**

| | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-------------------------|---------|---------------------|-------|----------------------|---------|-----------------------|--|
| STANDS | D.P. NO | 3 | 28528 | 5 | 47520 | | |
| SINGLE | D.P. NO | 2 | 6326 | 1 | 3177 | | |
| COVER | OD | | | | | | |
| OTHER | OD | | | | | | |
| DRILL COLLARS | 7" O.D. | 18 | 55325 | 7 | 1855325 | | |
| DRILL COLLARS | OD | | | | | | |
| REAMER | OD | | | | | | |
| STABILIZER | OD | | | | | | |
| JARS | | | | | | | |
| BUMPER BAR | | | | | | | |
| BIT OR CORE BARREL | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | |
| KELLY DOWN - BELOW R.P. | | | 1278 | | 3978 | | |
| DEPTH OF TOOLS | | | 91457 | | 11040 | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | 1100 | |
| DEPTH START OF TOUR | | 914 | 1800 |
| FOOTAGE DRILLED | | 186 | |

| | HOURS | | | | | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|----------|----------|-------|-------|-------|------|-------|------|------|-----|------|----|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 11:00 AM | 11:50 | 12:00 | 12:50 | 1:00 | 1:50 | 2:00 | | | | |
| PUMP | | | | | 1100 | 62 | 1100 | 62 | 1150 | 62 | 1200 | 62 | 1250 | 62 | 1250 | 62 |
| ROTARY SPEED | | | | | 80 | | 80 | | 80 | | | | | | | |
| WEIGHT ON BIT | | | | | 15 | | 10 | | 10 | | 10-15 | | | | | |
| MUD WEIGHT | | | | | 8.3 | | 8.3 | | 8.3 | | 7.6 | 7.6 | 7.6 | 7.7 | 7.7 | |
| VISCOSITY | | | | | 28 | | 28 | | 28 | | 29 | 30 | 33 | 35 | 36 | |
| W.L.F.C. | | | | | | | | | | | | | | | | |

| | |
|--------------------|--|
| pH | |
| MUD LEVEL IN TANKS | |

| NO. | SIZE | SERIAL | DATE | TIME | DEPTH | REMARKS |
|-----|-------|--------|----------|------|-------|--------------|
| 1 | 9 3/4 | 392686 | SECURITY | 5:10 | 914 | 1100 186 438 |

| CORE NO. | NO. | DST NO. | PREFLUW | FROM | TO | RECOVERY HOURS |
|----------|-----|---------|---------|------|----|----------------|
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|---------------|---------------------|
| DRILLER | MORLEY THOMPSON | JOHN W. FEDYK | |
| DERRICKMAN | WALTER WRIGHT | | Wm Wright TATCO 950 |
| HELPER | Linker Judson | JOHN MACKNACK | 1027 |
| HELPER | ISSAC THOMAS | AL POTTER | 1100 112 |
| HELPER | William Linklater | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

400...
16...
BOP L

1500...
6...
BOP L

LOW...
CLEAN...
BOP L

TOUR REPORT

FIELD **Wild Cat**

WELL NAME **HEURON SUB C**

CONTRACTOR **G.P. Drilling**

WELL NO **15**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

12/3 19/13

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-----------------------------|---------------------|----------------------|-----------------------|
| STANDS D.P. NO 3 | 28236 FT | NO 3 28236 FT | |
| SINGLE D.P. NO 1 | 3154 FT | NO 1 3154 FT | |
| X OVER SUB O.D. | 769 FT | 769 FT | |
| OTHER O.D. | | | |
| DRILL COLLARS 10" O.D. 2 | 6040 FT | 10 2 6040 FT | |
| DRILL COLLARS 7" O.D. NO 16 | 49140 FT | NO 16 7 49140 FT | |
| REAMER O.D. | | | |
| STABILIZER O.D. | | | |
| JARS | | | |
| BUMPER SUB | | | |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | 87339 FT | 87339 FT | |
| KELLY DOWN (BELOW R.B.) | 900 FT | 900 FT | |
| DEPTH OF TOOLS | 28239 FT | 88239 FT | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|-----------------------|---------|---------|---------|---------|----------|----------|---------|---------|-----------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 PM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED (R.P.M.) | | | | | | | | | | | | |
| WEIGHT ON BIT (LBS) | | | | | | | | | | | | |
| MUD WEIGHT (LB/GAL) | | | | | | | | | | | | |
| VISCOSITY (CP) | | | | | | | | | | | | |
| W.L.F.C. (3rd) | | | | | | | | | | | | |

| MUD LEVEL IN TANKS | | FEET | |
|--------------------|------|--------|------|
| NO. | SIZE | SERIAL | FEET |
| | | | |
| | | | |

| CORE No | No | DESCRIPTION | RECOVERED |
|---------|----|-------------|-----------|
| | | PREFLOW | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-----------------|---------------|----------------|
| DRILLER | MORLEY THOMPSON | JOHN FROYK | Jack Jaker |
| DERRICKMAN | GORDON WRIGHT | | Wm W. Taylor |
| HELPER | Finn Jackson | JOHN MACKNACK | Brian Young |
| HELPER | W. Linklater | Phil Potter | King Johnson |
| HELPER | ISSAC THOMAS | | Pat Thompson |
| FIREMAN | | | |
| TOOL PUSHER | | | |

PRES
PRES
DRILL

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|-------|-------|--|
| Kind | Amount | | | |
| 9/13 | | | | |
| UR | TOUR 1 | | | |
| FT | | 1200 | | REPAIR LEAKS Mud line |
| FT | | | | TOP VALVE #2 PUMP |
| FT | | | | CHANGE NO. 1 AIR CHAMBER FLANGE RING |
| FT | | | | TIGHTEN 1" UNIONS |
| FT | | | 800 | CHANGE SHOCK HOSE |
| FT | | | | |
| FT | | | | |
| FT | TOUR 2 | 800 | 406 | CHANGE UNION ON SHOCK HOSE |
| FT | | | | PULL SEATS ON #1 PUMP |
| FT | | | | |
| FT | | | | PRESSURE TEST PIPE RAMS AND KELLY |
| FT | | | | COCK 1500 PSI |
| FT | | | | |
| FT | | | | |
| FT | TOUR 3 | 400 | 430 | TIGHTEN DRIVE BELT ON #2 PUMP |
| FEET | | 430 | 6 15 | DRILL OUT CEMENT |
| FEET | | 6 15 | 7 15 | CIRCULATE OUT CEMENT |
| FEET | | 7 15 | 9 00 | TRIP LAY DOWN 10" COLLARS |
| HOURS | | 9 00 | 11 30 | Rig to lay down & lay down 10" DC's |
| 1:30 PM | | 11 30 | 12 00 | WORK ON DEEPENING HOSE HOLE |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

PRESSURE TEST KELLY COCK WITH RIG PUMP 1500 PSI
 PRESSURE TEST PIPE RAMS WITH RIG PUMP 1500 PSI
 DRILLED OUT CASING SNOW MADE 6' OF HOLE

Chalson

SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **WILDCAT**

WELL NAME **CHEVRON SOBC**

CONTRACTOR **GP DRILLING**
WHITEFISH 370

LOG NO **15**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS (INDICATE UNIT)

DATE **3** 19**82**

NO. OF CHEMICALS
Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|----------------------|----------|---------------------|------------|--|----------------------|------------|--|-----------------------|------------|--|
| STANDS | D.P. | NO | 3 28236 FT | | NO | 3 28236 FT | | NO | 3 28236 FT | |
| SINGLE | D.P. | NO | | | NO | | | NO | 1 3154 FT | |
| X-OVER SUB | O.D. | | 769 FT | | | 769 FT | | | 769 FT | |
| OTHER | O.D. | | | | | | | | | |
| DRILL COLLARS | 10" O.D. | | 6040 FT | | 2 10" | 6040 FT | | | 6040 FT | |
| DRILL COLLARS | 7" O.D. | | 49140 FT | | NO 16 7" | 49140 FT | | | 49140 FT | |
| REAMER | O.D. | KIND | | | KIND | | | KIND | | |
| STABILIZER | O.D. | KIND | | | KIND | | | KIND | | |
| JARS | | KIND | | | KIND | | | KIND | | |
| BUMPER SUB | | KIND | | | KIND | | | KIND | | |
| BIT OR CORE BARREL | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | 84185 FT | | | 17357 FT | |
| KELLY DOWN BELOW JOB | | | 800 FT | | | 4020 FT | | | 300 FT | |
| DEPTH OF TOOLS | | | 81485 FT | | | 88205 FT | | | 78237 FT | |

TOUR 1

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | 9 8205 | |
| DEPTH START OF TOUR | | 8 4985 | |
| FOOTAGE DRILLED | | | |

| DAY WORK | MORNING | | | | AFTERNOON | | | |
|---------------|---------|--------|--------|--------|-----------|--------|--------|--------|
| | 2-3 AM | 4-5 AM | 6-7 AM | 8-9 AM | 2-3 PM | 4-5 PM | 6-7 PM | 8-9 PM |
| PUMP | 300 | | | | | | | |
| ROTARY SPEED | 55 | | | | | | | |
| WEIGHT ON BIT | 5 | | | | | | | |
| MUD WEIGHT | | | | | | | | |
| VISCOSITY | WATER | | | | | | | |
| W.L.F.C. | | | | | | | | |

| MUD LEVEL IN TANKS | | FEET |
|--------------------|------|--------|
| NO. | SIZE | SERIAL |

| CORE | NO. | NO. | DIST. NO. | FROM | DEPTH | | RECOVERY |
|----------|-----|-----|-----------|------|-------|---------|----------|
| | | | | | FEET | PERCENT | |
| TYPE | | | | | | | |
| FROM | | | | | | | |
| TO | | | | | | | |
| RECOVERY | | | | | | | |
| HOURS | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-----------------|---------------|----------------|
| DRILLER | Morley Thompson | John Fadyk | Jack Tyler |
| DERRICKMAN | Gordon Wright | Larry Kiptick | Bill Wagstaff |
| HELPER | Finley Judson | John Macknack | Pat Houghlin |
| HELPER | Tom Linkletter | Phil Potter | JORGENSEN |
| HELPER | Isaac Thomas | | R Young |
| FIREMAN | | | |
| TOOL PUSHER | | | |

BICARB

| MUD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|--------|------|-------------------------------|--|
| Kind | Amount | From | To | WORK DONE |
| TOUR 1 | | 1200 | | PRESSURE TEST PIPE RAYS 1500# 30 MIN PRESSURE TEST HYDRAL 1500# FOR 30 MIN PRESSURE TEST MANIFOLD 1500# 30 MIN CHECK REMOTE CONTROL FOR HYDRAL WORK ON FLOW LINE SHALE SHAKER WORK ON FLOW MIPAGE TOP OF CEMENT 449.85 |
| TOUR 2 | | 800 | 900 | PRESSURE TEST KELLY LOCK DRILL OUT CEMENT & FLOAT REPAIR VALVES ON MUD LINE |
| BICARB | 2 SAX | 900 | 100 | |
| | | 100 | 400 | |
| TOUR 3 | | | | WORK ON LEAKS IN STAND PIPE MUD VALVES & POP VALVE |

FLOAT AT 872

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

[Faint handwritten notes and signatures]

[Handwritten signature]

TOUR REPORT

CONTRACTOR *GP DRILLING* NO. *15*
 FIELD *Wildcat* WELL NAME *Chevron Lake* SECTION *Y-7* TWP *70* R_{10N} W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **FEB 1 1975**

CHEVRON
 MUD & CHEMICAL
 Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|------|----------|----------------------|----------|---------|-----------------------|--|--|
| STANDS | D.P. | NO 3 | 28281 FT | NO 3 | 28281 FT | NO 3 | 28236 FT | | |
| SINGLE | D.P. | NO 1 | 3154 FT | NO 1 | 3154 FT | NO | | | |
| X OVER SUR | O.D. | | 769 FT | | 769 FT | | 769 FT | | |
| OTHER | O.D. | 2 | | | | | | | |
| DRILL COLLARS | O.D. | 16 | 6040 FT | | 6040 FT | 9 10 | 6040 FT | | |
| DRILL COLLARS | O.D. | NO | 49140 FT | NO | 49140 FT | NO 16 7 | 49140 FT | | |
| REAMER | O.D. | KIND | | KIND | | KIND | | | |
| STABILIZER | O.D. | KIND | | KIND | | KIND | | | |
| JARS | O.D. | KIND | | KIND | | KIND | | | |
| BUMPER SUR | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | 87447 FT | | 87447 FT | | | | |
| KELLY DOWN (BELOW R.B.) | | | 4020 FT | | 4020 FT | | 4020 FT | | |
| DEPTH OF TOOLS | | | 91467 FT | | 91467 FT | | 88205 FT | | |

TOUR
 TOUR 2
 TOUR 3

| DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|--------------------|--------------|---------|---------|---------|---------------|----------|---------|---------|----------------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

Pressure

| NO. | SIZE | SERIAL | BIT KIND AND SIZE | REASON FOR CHANGE | DATE | TIME | BY |
|-----|------|--------|-------------------|-------------------|------|------|----|
| | | | | | | | |

| SIGNATURES | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
|------------|---------------------|----------------------|---------------------|--------------------------|------------------------|--------------------|----------------------|----------------------|----------------------|
| | DRILLER | DERRICKMAN | HELPER | DRILLER | DERRICKMAN | HELPER | DRILLER | DERRICKMAN | HELPER |
| | <i>Ly S. Kerner</i> | <i>Gary S. Suter</i> | <i>Van T. Hatch</i> | <i>Worley K. Hancock</i> | <i>Gary S. Wright</i> | <i>J. S. Suter</i> | <i>John S. Suter</i> | <i>John S. Suter</i> | <i>John S. Suter</i> |
| | | <i>Paul L. Wood</i> | <i>Rod Coughlin</i> | <i>Isaac Thomas</i> | <i>William Lindner</i> | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

CHEVRON SOBC W/M WHITEFISH YT J-70

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|-----------------|-------|
| Kind | Amount | | |
| | | 12.00 | 8.00 |
| TOUR 1 | | | |
| 6 FT | | | |
| 9 FT | | | |
| 6 FT | | | |
| 0 FT | | | |
| 0 FT | | | |
| TOUR 2 | | 200 | 400 |
| 5 FT | | 400 | 7:30 |
| | | 7:30 | 9:00 |
| | | 7:30 | 11:30 |
| | | 9:00 | 12:00 |
| | | 11:30 | |
| TOUR 3 | | | |

Head up BOP.

HEAD UP BOP
PRESSURE TEST BLIND RAM. 1500
30 MIN HELD O.K.

HOOK UP REMOT CONTROL
FOR HYDRILL MOTOR SHUT OFFS
RUN IN WITH 12 1/2 BIT
STEAM OUT KELLY HOSE & HOOK UP SAME
PRESSURE TEST PIPE RAMS

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

Pressure Tested blind Rams to 1500 PSI. 25lb drop in 30 minutes
Detand. Jumper (BJ)

TOUR REPORT

FIELD *Wildcat* WELL NAME *CHEVRON Sobe* CONTRACTOR *J.P. Drilling* NO. *15*
 [DRILLING DEEPENING COMPLETING *Whitefish* SEC. *7.70* TWP. *15*
 REDRILLING ABANDONING REWORKING FOR 24 HOURS, ENDING 12 MIDDNIGHT *JAN 31* 1973

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-----------------------|-----------------------------|---------------------|---------------|----------------------|--------------|-----------------------|----|
| STANDS | D.P. NO. <i>3</i> | <i>282</i> | <i>81</i> FT | NO | <i>282</i> | <i>81</i> FT | NO |
| SINGLE | D.P. NO. <i>1</i> | <i>31</i> | <i>54</i> FT | NO | <i>31</i> | <i>54</i> FT | NO |
| X OVER SUB | O.D. | <i>769</i> | FT | | <i>769</i> | FT | |
| OTHER | O.D. | | FT | | | FT | |
| DRILL COLLARS | <i>10</i> O.D. <i>2</i> | <i>60</i> | <i>48</i> FT | | <i>60</i> | <i>48</i> FT | |
| DRILL COLLARS | <i>7</i> O.D. NO. <i>16</i> | <i>491</i> | <i>40</i> FT | | <i>491</i> | <i>40</i> FT | |
| REAMER | O.D. | | FT | | | FT | |
| STABILIZER | O.D. | | FT | | | FT | |
| JARS | KIND | | FT | | | FT | |
| BUMPER SUB | KIND | | FT | | | FT | |
| BIT OR CORE BARREL | | | FT | | | FT | |
| TOTAL D.P. & TOOLS | | <i>874</i> | <i>117</i> FT | | <i>874</i> | <i>47</i> FT | |
| KELLY DOWN BELOW R.B. | | <i>4020</i> | FT | | <i>4020</i> | FT | |
| DEPTH OF TOOLS | | <i>91461</i> | FT | | <i>91461</i> | FT | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | | | | HOURS | | | | HOURS | | | |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 1:00 AM | 2:00 AM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM | 7:00 PM | 8:00 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND | TOOL TYPE | RECOVERY | | REMARKS |
|-----|------|--------|----------|-----------|----------|----------|---------|
| | | | | | RECOVERY | RECOVERY | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-----------------------------|----------------------------|----------------|
| DRILLER | <i>Mokey R. Thompson</i> | <i>John S. Lutz</i> | |
| DERRICKMAN | <i>Larry S. [Signature]</i> | <i>Hugh E. [Signature]</i> | |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

M.D. CHEMICAL Kind

TOUR 1

TOUR 2

TOUR 3

FINISHED
 PICKED
 3 3/8" S
 FLANGE
 MEASUR

PICKED

NIPPLED
 TO IN
 BUILT
 INSTALLE
 CHAIN

973

| M.L.O. and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|----------------------------|--------|-------|-------|---|
| Kind | Amount | | | |
| TOUR 1 | | 12.00 | 12.30 | RIGSER & REPAIR AIR LINE TO FOOT THROTTLE LAY DOWN DRILL PIPE HEAD UP B.O.P. |
| FT | | 12.30 | 1.30 | |
| FT | | 1.30 | 8.00 | |
| TOUR 2 | | 8.00 | 4.00 | HEAD UP B.O.P.S. |
| TOUR 3 | | 4.30 | 12.00 | HEAD UP BOPS |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

FINISHED LAYING DOWN DRILL PIPE

PICKED UP A BARBER GREY TYPE AWC R
3³/₈" SERIES 900 SCREW ON CASING BOWL C/W 1-2"
FLANGED OUTLET.

MEASURED KB TO BOWL FLANGE : 15.70 FT.

PICKED UP BOP STACK : 12" SERIES 900 CHAFFER HYDRAULIC
DOUBLE GATE W/ 4¹/₂" PNE RAMS AND
BLIND RAMS.

12" SERIES 900 HYDRIL "GK" BAG PREVENTER

NIPPLED UP BOP STACK, MANIFOLD AND SWEEP FROM BOPS
TO MANIFOLD.

BUILT MANIFOLD SUNK,

INSTALLED TWO FLANGED, SERIES 900 GATE VALVES ON
CASING BOWL OUTLET.

Gene W. Smith
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Wildcat* WELL NAME *CHEVRON Sobe* CONTRACTOR *Fish & P. Drilling* NO. *15*
 DRILLING DEEPENING COMPLETING REWORKING RE-DRILLING ABANDONING FOR 24 HOURS ENDING 12 MIDNIGHT
 SEC *1-70* TWP *Jan 30* 19*75*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-------------------------|---------------------|--------------------------------|----------------------|--|-----------------------|--|
| STANDS | D.P. | NO <i>3</i> 28281 FT | NO <i>3</i> 28281 FT | | | |
| SINGLE | D.P. | NO <i>1</i> 3154 FT | NO <i>1</i> 3154 FT | | | |
| X OVER SUB | O.D. | 769 FT | 769 FT | | | |
| OTHER | O.D. | | | | | |
| DRILL COLLARS | O.D. | <i>10</i> 2 6048 FT | 6048 FT | | | |
| DRILL COLLARS | O.D. | <i>7</i> NO <i>16</i> 49140 FT | 49140 FT | | | |
| REAMER | O.D. | | | | | |
| STABILIZER | O.D. | | | | | |
| JARS | | | | | | |
| BUMPER SUB | | | | | | |
| BIT OR CORE BARREL | | | | | | |
| TOTAL D.P. & TOOLS | | 87447 FT | 87447 FT | | | |
| KELLY DOWN (BELOW R.B.) | | 4020 FT | 4020 FT | | | |
| DEPTH OF TOOLS | | 91467 FT | 91467 FT | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | BIT LENGTH (IN) | TOOL JOG (IN) | TOOL JOG (IN) | TOOL JOG (IN) | TOOL JOG (IN) | TOOL JOG (IN) | TOOL JOG (IN) | TOOL JOG (IN) |
|-----|------|--------|-------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|------------------|---------------------------|-----------------|
| DRILLER | <i>J. K. ...</i> | <i>Walter R. Thompson</i> | <i>John ...</i> |
| DERRICKMAN | <i>J. ...</i> | <i>G. R. Wright</i> | <i>...</i> |
| HELPER | <i>...</i> | <i>...</i> | <i>...</i> |
| HELPER | <i>...</i> | <i>...</i> | <i>...</i> |
| HELPER | <i>...</i> | <i>...</i> | <i>...</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

MUD and CHEMICAL Kind
 TOUR 1
 TOUR 2
 TOUR 3

CIRC. W
 DRAINED
 AND S
 DOWN TO
 LAW D
 OF D

CF-CS
 0° F

| MUD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|--------|------------|-------------------------------|---|
| Kind | Amount | From | To | WORK DONE |
| 973 | | 1200 | 8:00 | W.O.C. & CIR CS9 |
| TOUR 1 | | | | WATER TEMP AT 5 AM 57H |
| TOUR 2 | | 800 | 400 | W.O.C. & CIR CS9 WATER TEMP AT 3 P.M. <u>65°</u> |
| TOUR 3 | | 400 830 | 830 1200 | W.O.C. & CIR CS9 CUT CS9 COLLAR LAY DOWN BJ TOOLS + LAY DOWN PIPE |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

CIRC. WARM WATER AT 55° TO 65° F TILL 8:30 PM
 DRAINED CASING AND BROKE OFF 2" CIRC LINES
 AND STARTED CUTTING OFF CASING COLLAR AND CUT
 DOWN TOP OF CONDUCTOR BARREL 3"
 LAY DOWN BJ MANDREL. LAY DOWN 26 SINGLES
 OF DRILL PIPE.

CF-CSB MADE 2 STOPS AT R16#15
 0° F OVERCAST WITH LT. SNOW

Herold M. ...
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Wildcat* WELL NAME *Chevron Sabco* CONTRACTOR *L.P. Drilling* RIG NO. *15*
 SEC. *110* TWP. *110* R. *15* W. *15*
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *JAN 28* 1973

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-------------------------|----------------|---------------------|-----------------|----------------------|--|-----------------------|------|
| STANDS | D.P. | NO. <i>3</i> | <i>28281</i> FT | NO. | | FT | NO. |
| SINGLE | D.P. | NO. <i>1</i> | <i>3154</i> FT | NO. | | FT | NO. |
| X OVER SUB | O.D. | | <i>769</i> FT | | | FT | |
| OTHER | O.D. | | | | | FT | |
| DRILL COLLARS | <i>10</i> O.D. | | <i>6048</i> FT | | | FT | |
| DRILL COLLARS | <i>16</i> O.D. | NO. <i>119</i> | <i>1110</i> FT | NO. | | FT | NO. |
| REAMER | O.D. | KIND | | KIND | | FT | KIND |
| STABILIZER | O.D. | KIND | | KIND | | FT | KIND |
| JARS | | KIND | | KIND | | FT | KIND |
| BUMPER SUB | | KIND | | KIND | | FT | KIND |
| BIT OR CORE BARREL | | | | | | FT | |
| TOTAL D.P. & TOOLS | | | <i>87447</i> FT | | | FT | |
| KELLY DOWN (BELOW R.B.) | | | <i>4020</i> FT | | | FT | |
| DEPTH OF TOOLS | | | <i>91467</i> FT | | | FT | |

TOUR 1
TOUR 2
TOUR 3

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| | DAY WORK HOURS | | | | | | | | | | | |
|--------------------|----------------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | / | | | | | | | | | | | |
| ROTARY SPEED | / | | | | | | | | | | | |
| WEIGHT ON BIT | / | | | | | | | | | | | |
| MUD WEIGHT | / | | | | | | | | | | | |
| VISCOSITY | / | | | | | | | | | | | |
| WL F C | / | | | | | | | | | | | |
| pH | / | | | | | | | | | | | |
| MUD LEVEL IN TANKS | / | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND | WELL TYPE | BIT SIZE | WELL TYPE | WELL TYPE | WELL TYPE | WELL TYPE | WELL TYPE | WELL TYPE |
|-----|------|--------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|--------------------|--------------------|
| DRILLER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| DERRICKMAN | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

CEMENT
HT 90
PLUS 3
WITH
H 15
SIES
14 ECU
CEMENT
FLCAT
CIRCU
MIXING
EUCR
SLURRY
HL 300
CIRCU
WELA
CAS-20

CIRCULATE
TILL
CIRCULATE
TILL

TOUR REPORT

FIELD *Wildcat* WELL NAME *Chevron Scott* CONTRACTOR *G.P. Drilling* NO. *15*
 DRILLING () DEEPENING () COMPLETING ()
 REDRILLING () ABANDONING () REWORKING ()
 SEC. *7.70* W. *W*
 DATE *JAN 28* 1973

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|------|---------------------|--|--|------------------|----------------------|--|--|-----|-----------------------|--|--|-----|
| STANDS | D.P. | NO. <i>3</i> | | | <i>28281</i> FT. | NO. | | | FT. | NO. <i>3</i> | | | FT. |
| SINGLE | D.P. | NO. <i>1</i> | | | <i>3154</i> FT. | NO. | | | FT. | NO. | | | FT. |
| X-OVER SUB | O.D. | | | | FT. | | | | FT. | | | | FT. |
| OTHER | O.D. | | | | FT. | | | | FT. | | | | FT. |
| DRILL COLLARS | O.D. | <i>2</i> | | | <i>6048</i> FT. | | | | FT. | | | | FT. |
| DRILL COLLARS | O.D. | <i>7</i> | | | <i>49140</i> FT. | NO. | | | FT. | NO. | | | FT. |
| REAMER | O.D. | KIND | | | FT. | KIND | | | FT. | KIND | | | FT. |
| STABILIZER | O.D. | KIND | | | FT. | KIND | | | FT. | KIND | | | FT. |
| JARS | O.D. | KIND | | | FT. | KIND | | | FT. | KIND | | | FT. |
| BUMPER SUB | O.D. | KIND | | | FT. | KIND | | | FT. | KIND | | | FT. |
| BIT OR CORE BARREL | O.D. | | | | FT. | | | | FT. | | | | FT. |
| TOTAL D.P. & TOOLS | | | | | <i>87447</i> FT. | | | | FT. | | | | FT. |
| KELLY DOWN (BELOW R.B.) | | | | | <i>4020</i> FT. | | | | FT. | | | | FT. |
| DEPTH OF TOOLS | | | | | <i>91467</i> FT. | | | | FT. | | | | FT. |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | REVENUE METER NO. | DEPTH | FEET | REMARKS |
|-----|------|--------|-------------------|-------------------|-------|------|---------|
| | | | | | | | |
| | | | | | | | |

| SIGNATURE | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|--------------------|--------------------|
| DRILLER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| DERRICKMAN | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| FIREMAN | <i>[Signature]</i> | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

MUD & CHEM Kind
 TOUR 1
 TOUR 2
 TOUR 3
 Laid down bulk cement
 Laid down
 Ran at K-55
 AT 90
 Float shoe
 shoe joint
 float collar
 27 JTS. 13'
 total string
 KB → CSG. CO
 landed de
 KB → CSG
 FLANGE
 casing run
 ran 26
 RJ
 FLDA
 KELLY
 CEMENT

1973

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|-------|-------|---|
| Kind | Amount | | | |
| TOUR 1 | | 12.00 | 7.30 | RUN CSG RIGGING HO ROUN D PIPE INSIDE CSG. |
| | | 7.30 | 8.00 | |
| | | | | |
| | | | | |
| TOUR 2 | | 8.00 | 12.00 | MEASURE + PICK UP DRILL PIPE PICK UP CIRC HEAD & BREAK CIRC CIRC CASING |
| | | 12.00 | 1.15 | |
| | | 1.15 | 4.00 | |
| | | | | |
| TOUR 3 | | 4.00 | 6.00 | CIRC CSG CEMENT CSG WOC 2 CIRC INSIDE CSG |
| | | 6.00 | 9.50 | |
| | | 9.50 | 12.00 | |
| | | | | |

CEMENTING TESTING FISHING SPECIAL JOB DETAILS INCLUDING ENGINEERING SUMMARIES

LAI D DOWN JOINT #7. COULD NOT GET THREAD PROTECTOR OFF.
 BULK CEMENT TEMP AT MIDNIGHT: -27° F
 LAID DOWN JOINT #26. COULD NOT GET THREAD PROTECTOR OFF.

RAN A TOTAL OF 28 JOINTS (891.41') OF 13 3/8" 54.5#
 K-55 8 ROUND NEW SUMITOMO SEAMLESS CASING LANDED
 AT 907.91 FEET KB. STRING WAS MADE UP AS FOLLOWS.

- FLOAT SHOE - 1.85
- SHOE JOINT - 31.94
- FLOAT COLLAR - 1.65
- 27 JTS. 13 3/8 - 855.91
- TOTAL STRING - 891.41
- KB → CSG COLLAR - 16.50
- LANDED DEPTH - 907.91
- KB → CSG BOWL
- FLANGE - 15.85'

CASING RUN AT 7:15 AM JAN 28/78

RAN 26 JOINTS OF DRILL PIPE INTO CASING AND HOOKED UP
 BJ MANDREL, BOTTOM OF DRILL PIPE 25 FEET UP FROM
 FLOAT COLLAR. CASING WAS PULLING TIGHT SO HOOKED UP
 KELLY TO CIRC. HOLE. CIRC. HOLE TO 6:00 PM.

Gene M. [Signature]
 SIGNATURE COMPANY ENGINEER

CEMENTING DETAILS NEXT PAGE (JAN 29)

TOUR REPORT

FIELD *Wildcat* WELL NAME *Cheson Lake* ^{CONTRACT#} *Whitefish* ^{NO.} *15*
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *JAN 27* 19*73*

E.P. Drilling NO. *15*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|---------------------|-----|----|----------------------|--------|----|-----------------------|--------|----|
| STANDS | NO 3 | 282 | FT | NO 3 | 2828.1 | FT | NO 3 | 2828.1 | FT |
| SINGLE | NO | | FT | NO 1 | 315.4 | FT | NO 1 | 315.4 | FT |
| X OVER SUB | | | FT | | | FT | | | FT |
| OTHER | | | FT | | | FT | | | FT |
| DRILL COLLARS | 10" O.D. 2 | | FT | | 60.78 | FT | | 60.48 | FT |
| DRILL COLLARS | 7" O.D. NO 16 | | FT | NO | 49.140 | FT | NO | 49.140 | FT |
| REAMER | KIND | | FT | KIND | | FT | KIND | | FT |
| STABILIZER | KIND | | FT | KIND | | FT | KIND | | FT |
| JARS | KIND | | FT | KIND | | FT | KIND | | FT |
| BUMPER SUB | KIND | | FT | KIND | | FT | KIND | | FT |
| BIT OR CORE BARREL | | | FT | | | FT | | | FT |
| TOTAL D.P. & TOOLS | | | FT | | 8744.7 | FT | | 8744.7 | FT |
| KELLY DOWN (BELOW R.B.) | | | FT | | 402.0 | FT | | 402.0 | FT |
| DEPTH OF TOOLS | | | FT | | 9146.7 | FT | | 9146.7 | FT |

TOUR 1
GEL 500
2 1/2 BS RAPID

| DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------|--------------|---------|---------------|---------|---------------|----------|---------|---------|----------------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | 64 150 64 115 | | 64 150 64 115 | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | 74 85 | | 80 78 | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

FINISH
 TRIPPED
 PICK E
 7:00
 THREW
 LAKER
 SECOND
 FLOAT
 SECOND
 1/2 V

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | RET. TIME | TOOL | TIME |
|------------------|-----------------|--------|-------------------|----------------|--------------|------------|
| <i>HA 17 1/2</i> | <i>2 BK 552</i> | | <i>OSC-3 H.W</i> | <i>3/15 20</i> | <i>71914</i> | <i>156</i> |

| CORE | No | No | DST No | FROM |
|----------|----|----|----------|------|
| | | | | |
| TYPE | | | PREFLOW | |
| FROM | | | 1ST | |
| TO | | | V.O. | |
| Recovery | | | FST | |
| HOURS | | | RECOVERY | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|------------------------|---------------------------|------------------------|
| DRILLER | <i>G. S. King</i> | <i>Worley B. Thompson</i> | <i>John Fiedler</i> |
| DERRICKMAN | <i>Tommy [unclear]</i> | <i>Robert Wright</i> | <i>R. E. Zimmerman</i> |
| HELPER | <i>[unclear]</i> | <i>John Marshall</i> | <i>John Marshall</i> |
| HELPER | <i>Tom Anderson</i> | <i>John Fiedler</i> | <i>[unclear]</i> |
| HELPER | <i>Paul [unclear]</i> | <i>[unclear]</i> | <i>[unclear]</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>Bob [unclear]</i> | | |

-46° F

TOUR REPORT

FIELD **WILDCAT**

WELL NAME **CHEVRON SoBC**

CONTRACTOR **WHITE RISK**

G.P. Dring

RIG NO

15

[] DRILLING [] DEEPENING [] COMPLETING

[] REDRILLING [] ABANDONING [] REWORKING LOG 24 HOURS ENDING 12 MIDNIGHT

JANUARY 26 1973

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-------------------------|----------|---------------------|----------|----------------------|----------|-----------------------|----------|
| STANDS | D.P. | NO 2 | 18672 FT | NO 3 | 28281 FT | NO 3 | 28281 FT |
| SINGLE | D.P. | NO 1 | 3160 FT | NO | | NO 1 | 3154 FT |
| X OVER SUB | O.D. | | 769 FT | | 769 FT | | 769 FT |
| OTHER | O.D. | | | | | | |
| DRILL COLLARS | 10" O.D. | 2 | 6048 FT | | 6048 FT | | 6048 FT |
| DRILL COLLARS | 7" O.D. | NO 16 | 49140 FT | NO | 49140 FT | NO | 49140 FT |
| REAMER | O.D. | | | | | | |
| STABILIZER | O.D. | | | | | | |
| JARS | | | | | | | |
| BUMPER SUB | | | | | | | |
| BIT OR CORE BARREL | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | 88258 FT | | 87447 FT |
| KELLY DOWN (BELOW R.B.) | | | 4020 FT | | 4020 FT | | 4020 FT |
| DEPTH OF TOOLS | | | 81809 FT | | 88258 FT | | 91467 FT |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|-------------------------|
| DEPTH END OF TOUR | 818 FEET | 882 FEET | 914 882 FEET |
| DEPTH START OF TOUR | 758 FEET | 818 FEET | 882 818 FEET |
| FOOTAGE DRILLED | 60 FEET | 64 FEET | 32 64 FEET |

| | HOURS | | | | | | | | | | | |
|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | SPM 64 425 | 64 425 | 64 450 | 64 475 | 64 575 | 64 575 | 64 575 | 64 450 | 64 450 | 64 450 | 64 450 | 64 450 |
| ROTARY SPEED | RPM | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| WEIGHT ON BIT | M lbs. | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M | 10 ^M |
| MUD WEIGHT | lb./gal | | | | | | | | | | | |
| VISCOSITY | sec. qt | 58 | 58 | 67 | 64 | 65 | 65 | 63 | 61 | 58 | | |
| W.L.F.C. | cc/32nd | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT. IN. | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | BIT SIZE IN IN. | TOTAL FEET | START | END |
|-----|---------|--------|-------------------|-----------------|------------|-------|------|
| 4A | 17 1/2" | BK552 | OSC-3 H.W. | 3 1/2 | 72 | 758 | 818 |
| | | | | | 157 | 818 | 882 |
| | | | | | 203 1/2 | 818 | 9142 |
| | | | | | | | 156 |

| CORE | No. | No. | DST No. | FROM | TO | RECOVERY |
|----------|-----|-----|----------|-----------|-----------|-----------|
| TYPE | | | PREFLOW | mins. FHP | mins. FHP | mins. FHP |
| FROM | | | TSI | mins. FHP | mins. FHP | mins. FHP |
| TO | | | V.O. | mins. FHP | mins. FHP | mins. FHP |
| Recovery | | | FSI | mins. FHP | mins. FHP | mins. FHP |
| HOURS | | | RECOVERY | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR | DISPATCH | RECORD |
|-------------|------------------------|-----------------------|---------------------|----------|--------|
| DRILLER | <i>Walter Thompson</i> | <i>Leanne</i> | <i>John Fudge</i> | | |
| DERRICKMAN | | <i>Sam Spivey</i> | | 818 | 818 |
| HELPER | | <i>John Blacklock</i> | <i>Don Hutchins</i> | 882 | 818 |
| HELPER | | <i>Phil Tolley</i> | | | |
| HELPER | | <i>George Thomas</i> | | | |
| FIREMAN | | <i>W. Jordan</i> | | | |
| TOOL PUSHER | | | | | |

Double
STAN
CONC
DIFF
RJ
WELL
FLOW
10 HP
FROM
WITH

1973

OUR
 31 FT
 54 FT
 69 FT
 FT
 18 FT
 40 FT
 FT
 FT
 FT
 47 FT
 20 FT
 67 FT
 FT
 FT
 FT
 HOURS
 2:00 PM

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------------------|------------------|---|
| Kind | Amount | | | |
| TOUR 1 | | 12 ⁰⁰ | 12 ¹⁵ | RIG SERVICE DRILL 17 1/2" Hole SURVEY |
| | | 12 ¹⁵ | 7 ⁴⁵ | |
| | | 7 ⁴⁵ | 8 ¹⁰ | |
| TOUR 2 | | 8 ⁰⁰ | 3 ⁰⁰ | DRILL SURVEY DRILL |
| | | 3 ³⁰ | 3 ¹⁵ | |
| | | 3 ¹⁵ | 11 ⁰⁰ | |
| TOUR 3 | | 4 ⁰⁰ | 9 ³⁰ | DRILL RIG SER CIRC TO RUN CSG |
| | | 9 ³⁰ | 9 ⁴⁵ | |
| | | 9 ⁴⁵ | 12 ⁰⁰ | |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

DOUBLE MEASURED OUT AT 753.

STAMP 788.45
 BOARD 788.24
 DIFF 0.21 NO CORRECTION

BJ HAVING TROUBLE BINNING CEMENT W/ BAROCKA. GAS MOTOR WOULD NOT FULL THE LEAD IN THE COOL WEATHER. OTHER (??) CAME FLEW TO RICHARDS ISLAND TO NABORS KIEH 11 TO PICK UP 10 HP ELECTRIC MOTOR FOR BAROCKA. FLEW UP BAROCKA FROM TBC KHI TO 10 TONNIGHT. BAROCKA LAL FLEW UP WITH CEMENT

RESIGNED
 H

TOUR REPORT

WELL NAME **Wildcat** CONTRACTOR **Chevron SOBC Whitefish** SEC **J-70 WP**

RIG NO **15**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **January 25 1973**

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-------------------------|------------|---------------------|----|----------------------|----|-----------------------|----|
| STANDS | DP NO 1 | 9285 | FT | 9285 | FT | 7869 | FT |
| SINGLE | DP NO | | FT | 6299 | FT | 6299 | FT |
| X OVER SUB | OD | 769 | FT | 769 | FT | 769 | FT |
| OTHER | OD | | FT | | FT | | FT |
| DRILL COLLARS | 10" D - 2 | 6048 | FT | 6048 | FT | 6048 | FT |
| DRILL COLLARS | 7" D NO 16 | 49140 | FT | 49140 | FT | 49140 | FT |
| REAMER | OD | | FT | | FT | | FT |
| STABILIZER | OD | | FT | | FT | | FT |
| JARS | | | FT | | FT | | FT |
| BUMPER SUB | | | FT | | FT | | FT |
| BIT OR CORE BARREL | | | FT | | FT | | FT |
| TOTAL D.P. & TOOLS | | | FT | 71400 | FT | 74638 | FT |
| KELLY DOWN (BELOW R.B.) | | | FT | 2600 | FT | 1200 | FT |
| DEPTH OF TOOLS | | | FT | 74005 | FT | 75838 | FT |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 675 FEET | 740 FEET | 758 FEET |
| DEPTH START OF TOUR | 509 FEET | 675 FEET | 740 FEET |
| FOOTAGE DRILLED | 106 FEET | 65 FEET | 18 FEET |

| | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|--------------------|--------------|---------|---------|---------|---------------|----------|---------|---------|----------------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| ROTARY SPEED | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| WEIGHT ON BIT | 10M | 10M | 10M | 10M | 10M | 10M | 10M | 10M | 10M | 10M | 10M | 10M |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | 64 | 60 | 62 | 61 | | | | | | | | |
| WL F C | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | FT SIZES ON LOG | TOTAL FOOTAGE | START | STOP | REMARKS |
|-----|--------|--------|-------------------|-----------------|---------------|-------|------|------------|
| 3A | 17 1/2 | CP526 | DSC3 H.V. | 3/12 | 14 3/4 | 706 | 675 | 279 IN |
| " | " | " | " | " | 17 | 675 | 740 | 294 1/2 IN |
| | | | | | | 740 | 758 | 815 205 |

| CORE | No | No | DST No | FROM | TO | APPROXIMATE RECOVERY |
|----------|----|----|----------|------|-----|----------------------|
| TYPE | | | PREF LOW | min | EST | ACT |
| FROM | | | EST | min | EST | ACT |
| TO | | | V.O | min | EST | ACT |
| Recovery | | | EST | min | EST | ACT |
| HOURS | | | RECOVER | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR | DEVIATION RECORD |
|-------------|--------------------|---------------|--------------------|------------------|
| DRILLER | <i>[Signature]</i> | | | Kind Dep Recd |
| DERRICKMAN | <i>[Signature]</i> | | <i>[Signature]</i> | 629 3/8 |
| HELPER | | | <i>[Signature]</i> | 672 1/4 |
| HELPER | | | <i>[Signature]</i> | 758 8 |
| FIREMAN | | | | |
| TOOL PUNHER | <i>[Signature]</i> | | | |

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|---|--------|-------|-------|--|
| Kind | Amount | | | |
| 1973 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 | | | | |
| TOUR 1 | | 12:00 | 1:15 | Drilling 17 1/2" hole |
| | | 1:15 | 1:30 | Rig Service |
| | | 1:30 | 4:00 | Drilling 17 1/2" hole |
| | | 4:00 | 1:30 | Survey @ 629 3/8" |
| | | 4:30 | 8:00 | Drilling 17 1/2" hole |
| TOUR 2 | | 8:00 | 9:45 | Drilling 17 1/2" hole |
| | | 9:45 | 10:15 | Rig Service & Survey @ 692 1/4" |
| | | 10:15 | 12:45 | Drilling 17 1/2" hole |
| | | 12:45 | 2:30 | CLEAN SHAKER TANK & THAW OUT |
| | | 2:30 | 11:00 | FLOW TROUGH BETWEEN MUD TANK DRILL |
| TOUR 3 | | 4:00 | 7:30 | DRILL |
| | | 7:30 | 9:00 | TRIP OUT WITH BITS & THAW OUT |
| | | 9:00 | 10:00 | LUBRICATE ON PUMPS. |
| | | 10:00 | 11:15 | THAW OUT LUBRICATE ON PUMPS |
| | | 11:15 | 11:30 | RUN IN |
| | | 11:30 | 12:00 | BLOW KELLY WORK ON No. 1 Pump Clutch |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

SPOTTED BJ EQUIPMENT.

BJ SPOTTED CEMENT LAZLEKA HAD TRIED TO GET IT RUNNING.
FINALLY GOT LAZLEKA MOTOR GOING BUT IT WOULD NOT
PULL A LOAD.

Donald M. Spauld

SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Wild Cat**

CHEVRON WELL NAME **50BC Whitefish YT**

CONTRACTOR **G.P. Drilling**

RIG NO **13**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

January 21 1973

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|------|---------------------|--|--|----|----------------------|--|--|----|-----------------------|--|--|----|
| STANDS | D.P. | NO | | | FT | NO | | | FT | NO | | | FT |
| SINGLE | D.P. | NO | | | FT | NO | | | FT | NO | | | FT |
| X OVER SUB | O.D. | | | | FT | | | | FT | | | | FT |
| OTHER | O.D. | | | | FT | | | | FT | | | | FT |
| DRILL COLLARS | O.D. | | | | FT | | | | FT | | | | FT |
| DRILL COLLARS | O.D. | | | | FT | | | | FT | | | | FT |
| REAMER | O.D. | | | | FT | | | | FT | | | | FT |
| STABILIZER | O.D. | | | | FT | | | | FT | | | | FT |
| JARS | | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| BUMPER SUB | | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| BIT OR CORE BARREL | | | | | FT | | | | FT | | | | FT |
| TOTAL D.P. & TOOLS | | | | | FT | | | | FT | | | | FT |
| KELLY DOWN (BELOW R.B.) | | | | | FT | | | | FT | | | | FT |
| DEPTH OF TOOLS | | | | | FT | | | | FT | | | | FT |

769

6048

49140

4020

56905

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | 569 |
| DEPTH START OF TOUR | | | 446 |
| FOOTAGE DRILLED | | | 123 |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | | | 64 | 64 | 64 | 64 | 64 | |
| ROTARY SPEED | | | | | | | 110 | 110 | 110 | 110 | 110 | |
| WEIGHT ON BIT | | | | | | | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | |
| MUD WEIGHT | | | | 116 | 98 | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND SIZE | BIT LIFE IN HRS | TOTAL FEET | REMARKS |
|-----|--------|--------|-------------------|-----------------|-------------|---------|
| 3A | 17 1/2 | CP526 | H.W. DSC 3 | 31.5 | 446 569 123 | 7 IN |

| CORE No. | DST No. | FROM | TO | RECOVERY | HOURS |
|----------|---------|------|----|----------|-------|
| | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------------|--------------------|--------------------|
| DRILLER | <i>Jack [Signature]</i> | | <i>[Signature]</i> |
| DERRICKMAN | <i>Wm Wozniak</i> | | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

507
569

1/4
1/4

JAN 2
Comp
K16

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|-------|-------|--|
| Kind | Amount | | | |
| 1973 UR TOUR 1 | | 12:00 | | FINISH WATER LINES TO RIG FLOOR PUT DRIVE CHAINS TOGETHER & TIGHTEN SAME. START #1 MOTOR & PUT BUSH GUARDS ON CHAINS W/ PUMPS READY TO CIRCULATE MUD TANKS FILL COMPOUNDS W/ OIL. THAW MUD LINES FROM MAINFOLD TO BLEEDER VALVE |
| 9 FT | | | 8:00 | |
| 8 FT | | | | |
| 0 FT | | 8:00 | | FINISH THAWING MUD LINES. THAW OLD BIT # AJ 060 CHANGE TUBS PUT IN FLOAT & TOTO RING. GET READY CORON TO WORK ON LEAK IN COMPON |
| 10:45 | | 10:45 | | THAW OUT D.C. & RUN IN BLOW KELLY & BRAK CIR: DRILL |
| 2:00 | | 2:00 | | |
| 3:15 | | 3:15 | | |
| 3:30 | | 3:30 | | |
| 3:30 | | 11:00 | | |
| 0 FT | | | | |
| 5 FT | | 4:00 | 7:15 | DRILL CIR HOLE & SURVEY |
| | | 7:15 | 7:45 | DRILL CIR HOLE & SURVEY |
| | | 7:45 | 11:00 | |
| | | 11:00 | 11:30 | |
| | | 11:30 | 12:00 | |
| | | | | |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

64
4180
110
1000

JAN 23-24/73.

COMPOUNDS LEAKING 5 GAL OF OIL PER HOUR. SHUT RIG DOWN AT 446 FEET TO REPAIR COMPOUNDS,

David M. ...
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Wildcat**

CONTRACTOR

G.R. Drilling FIG NO **15**

WELL NAME **SOBC Whitefish** L.S.D. **YT** SEC **J-70** TWP **W**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

January 23 1973

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|-----------------------|---------------------|----------------------|-----------------------|
| STANDS | NO | NO | NO |
| SINGLE | NO | NO | NO |
| X OVER SUB | 769 FT | | 769 FT |
| OTHER | | | |
| DRILL COLLARS | 2-10" 6048 FT | 6048 FT | 6048 FT |
| DRILL COLLARS | NO 10 1/2" 30687 FT | NO | 37766 FT |
| REAMER | KIND | KIND | KIND |
| STABILIZER | KIND | KIND | KIND |
| JARS | KIND | KIND | KIND |
| BUMPER SUB | KIND | KIND | KIND |
| BIT OR CORE BARREL | | | |
| TOTAL D.P. & TOOLS | | | |
| KELLY DOWN BELOW R.B. | 2796 FT | | 4020 FT |
| DEPTH OF TOOLS | | | 44603 FT |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 402 FEET | | 402 FEET |
| DEPTH START OF TOUR | 322 FEET | 402 FEET | 402 FEET |
| FOOTAGE DRILLED | 80 FEET | | 77 FEET |

| DAY WORK | HOURS | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM |
| PUMP | 64 725 | 64 725 | 64 725 | 64 725 | 64 725 | 64 725 |
| ROTARY SPEED | 60-160 | 60-160 | 60-160 | 160 | 160 | |
| WEIGHT ON BIT | 10M | 10M | 10M | 10M | M | |
| MUD WEIGHT | | | | | | |
| VISCOSITY | 79 | 84 | 100 | 110 | 130 | 150 |
| W.L.F.C. | | | | | | |
| pH | | | | | | |
| MUD LEVEL IN TANKS | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | RE-SIZED IN | TOTAL FEET | TOUR |
|-----|--------|--------|-------------------|-------------|------------|------|
| 2A | 17 1/2 | AT060 | DSC3 H.W. | 3/5-7/16 | 216 | 402 |
| 2 | 17 1/2 | AT060 | " " | " " | 216 | 322 |
| 2 | " | " | " " | " " | 222 | 186 |

| CORE No. | No. | DST No. | FROM | TO | RECOVERY |
|----------|-----|----------|------|--------|----------|
| TYPE | | PREFLOW | mins | F.S.P. | |
| FROM | | ISI | mins | F.S.P. | |
| TO | | VO | mins | F.S.P. | |
| Recovery | | F.S.I | mins | F.S.P. | |
| HOURS | | RECOVERY | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|--------------------|--------------------|
| DRILLER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| DERRICKMAN | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------------------|------------------|--|
| Kind | Amount | | | |
| 19.73 | | 12 ⁰⁰ | 12 ¹⁵ | Rig Service |
| DUR | TOUR 1 | 12 ¹⁵ | 3 ⁰⁰ | Drilling 17 1/2" hole |
| FT | | 3 ⁰⁰ | 4 ⁰⁰ | Work hole line & Survey @ 353 1/4 |
| FT | | 4 ⁰⁰ | 8 ⁰⁰ | Drilling 17 1/2" hole |
| 6.9 | | | | |
| FT | | | | |
| FT | | | | |
| 11.8 | | | | |
| 6 | | | | |
| FT | | | | |
| FT | TOUR 2 | 8 ⁰⁰ | 8 ³⁰ | Drilling 17 1/2" hole |
| FT | | 8 ³⁰ | 9 ¹⁵ | Rig Service & Survey |
| FT | | 9 ¹⁵ | 12 ³⁰ | Drilling 17 1/2" hole |
| FT | | 12 ³⁰ | 1 ⁰⁰ | CIR HOLE & SURVEY |
| FT | | 1 ⁰⁰ | 2 ³⁰ | TRIP OUT BIT @ 220 H46 |
| FT | | 2 ³⁰ | 4 | TAKE OFF GARDS OF COMPOUND |
| 0 | | | | & WELD UP CRAKS |
| 0.3 | | | | |
| FT | TOUR 3 | 4 ⁰⁰ | | WORK ON D. WORKS |
| FEET | | | 12 ⁰⁰ | HOOK UP WATER TO RIG FLOOR |
| FEET | | | | |
| FEET | | | | |
| HOURS | | | | |
| 10 PM | | | | |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

Reading
1/4
1/2
3/4

Gene M... ..
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Wildcat**

WELL NAME **CHEVRON SPOC. Whitefish**

CONTRACTOR **G.P. Drilling**

RIG NO. **15**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FLOOR HOODING END OF PERIOD

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|------|---------------------|-----|------|-------|----------------------|-------|------|-------|-----------------------|-------|------|-------|
| STANDS | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| SINGLE | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| X OVER SUB | O.D. | | FT. | | FT. | | 769 | | 769 | | | | |
| OTHER | O.D. | | FT. | | FT. | | | | | | | | |
| DRILL COLLARS | O.D. | 2 | FT. | | 6048 | | 6048 | | 6048 | | 6048 | | 6048 |
| DRILL COLLARS | O.D. | NO | FT. | NO | FT. | NO | FT. | NO | FT. | NO | FT. | NO | FT. |
| REAMER | O.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| STABILIZER | O.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| JARS | O.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| BUMPER SUB | O.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| BIT OR CORE BARREL | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| TOTAL D.P. & TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| KELLY DOWN BELOW H.B. | | | FT. | | 4020 | | 4020 | | 4020 | | 4020 | | 4020 |
| DEPTH OF TUBES | | | FT. | | 26293 | | 26293 | | 26293 | | 26293 | | 26293 |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | 262 | 232 |
| DEPTH START OF TOUR | | 232 | 262 |
| FOOTAGE DRILLED | | 30 | 60 |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|
| | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM |
| PUMP | | | | | | | | | 400 | 400 | 400 | 400 |
| ROTARY SPEED | | | | | | | | | 95 | 95 | 95 | 110 |
| WEIGHT ON BIT | | | | | | | | | 5000 | 5000 | 5000 | 10000 |
| MUD WEIGHT | | | | | | | | | 8 | 8 | 8 | 10 |
| VISCOSITY | | 29 | 32 | 36 | 38 | 47 | 47 | 68 | 65 | 6 | 11 | 76 |
| W.L.F.C. | | | | | | | | | | | | 75 |
| P.H. | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT NO. | W.C. NO. | TYPE | DEPTH | DATE | TIME |
|-----|--------|--------|---------|----------|-------|-------|------|-------------|
| 2A | 17 1/2 | AT060 | OSC3 | I | 2 1/2 | 116 | 12 | 206 322 116 |

| CORE NO. | NO. | NO. | DATE | TIME |
|----------|-----|-----|------|------|
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------------|------------------|----------------|
| DRILLER | <i>Jack Tyler</i> | <i>Ed Kramer</i> | <i>160</i> |
| DERRICKMAN | <i>Wally Wagonstaff</i> | <i>160</i> | <i>232</i> |
| HELPER | <i>Paul Plon</i> | <i>160</i> | <i>293</i> |
| HELPER | <i>Steve Barone</i> | <i>160</i> | <i>0</i> |
| HELPER | <i>Paul Ferguson</i> | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

Kind
 TOUR 1
 LEN 10000
 CALIF. IRON
 TOUR 2
 LEN 55 SAX

| MUD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|-----------------|------------------|-------------------------------|----------------------------------|
| Kind | Amount | From | To | WORK DONE |
| 1973 | | 12 ⁰⁰ | 8 ⁰⁰ | Mixing Mud. |
| TUR | TOUR 1 | | | |
| FT | SEA 10000 100 | | | |
| FT | CAUSTIC 100 100 | | | |
| 9 | | | | |
| FT | | | | |
| FT | | | | |
| 18 | | | | |
| FT | | | | |
| 2 | | | | |
| FT | TOUR 2 | 8 ⁰⁰ | 11 ³⁰ | Mixing Mud |
| FT | SEA 55 SAX | 11 ³⁰ | | Drilling 17 1/2" hole |
| FT | | 11 ³⁰ | 4 ⁰⁰ | Drilling 17 1/2" hole |
| FT | | | | |
| FT | | | | |
| 6 | | | | |
| FT | | | | |
| 9 | | | | |
| FT | TOUR 3 | 4 ⁰⁰ | 4 ¹⁵ | RIG SER. |
| FT | | 4 ¹⁵ | 4 ³⁰ | DRILL |
| FT | | 4 ³⁰ | 5 ⁰⁰ | CIR HOLE COULD NO MAKE CON. |
| FT | | 5 ⁰⁰ | 5 ¹⁵ | SURVEY |
| FT | | 5 ¹⁵ | 8 ³⁰ | DRILL |
| FT | | 8 ³⁰ | 9 ⁰⁰ | CIR HOLE + SURVEY |
| FT | | 9 ⁰⁰ | 12 ⁰⁰ | DRILL |

400
 68
 110
 10
 75

CEMENTING, TIEING, TIEING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES


 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Wildcat*

WELL NAME *Champion SOB's Whitefish*

CONTRACTOR *G.P. Drilling*

WELL NO. *15*

SEC. *J-70*

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

JAN 21

1971

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|------|---------------------|-------------|-----|-----|----------------------|-----|-----|-----|-----------------------|-----|--------------|-----|
| STANDS | D.P. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| SINGLE | D.P. | NO. | | | | | | | | | | | |
| X OVER SUB | O.D. | | | | | | | | | | | <i>769</i> | |
| OTHER | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | <i>7</i> | | | | | | | | | | <i>12386</i> | |
| DRILL COLLARS | O.D. | <i>10"</i> | <i>NO 2</i> | | | | | | | | | <i>6048</i> | |
| REAMER | O.D. | | | | | | | | | | | | |
| STABILIZER | O.D. | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | |
| BIT OR CORE PARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | | | <i>4020</i> | |
| DEPTH OF TOOLS | | | | | | | | | | | | <i>23212</i> | |

TOUR 1
20 sec Sandus

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | |
| | | <i>216</i> | | | | | | | <i>232</i> | <i>216</i> | <i>16</i> | |

TOUR 3
20 sec 9 sacks water

| DAY WORK | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

*TRIPPED
BLK
FILL
UP ON
STARTED
KELLY
HAG T
PULL
AND*

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|---------------------|---------------------|
| DRILLER | <i>John Miller</i> | | <i>Pat Kemmer</i> |
| DERRICKMAN | <i>Wm Wagoner</i> | <i>Pat Toughkin</i> | |
| HELPER | | <i>Jim Marshall</i> | <i>Tom Anderson</i> |
| HELPER | <i>Eric Danner</i> | | <i>Red Longhead</i> |
| HELPER | <i>Ken Torgerson</i> | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

*USE
BULGERS*

TOUR REPORT

FIELD **Wildcat**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

CHEVRON
WELL NAME **SOBC. Whitefish** Y.T. SEC **J-70** TWP

CONTRACTOR **G.P. Drilling**

HIG NO **15**

TOUR 24 HOURS ENDING AT MIDNIGHT **January 20 1973**

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|----------------------|------|---------------------|--|--|------|----------------------|--|--|------|-----------------------|--|--|------|
| STANDS | D.P. | NO | | | FT | NO | | | FT | NO | | | FT |
| SINGLE | D.P. | NO | | | FT | NO | | | FT | NO | | | FT |
| X-OVER SUB | O.D. | | | | FT | | | | FT | | | | FT |
| OTHER | O.D. | | | | FT | | | | FT | | | | FT |
| DRILL COLLARS | O.D. | | | | FT | | | | FT | | | | FT |
| DRILL COLLARS | O.D. | NO | | | FT | NO | | | FT | NO | | | FT |
| BEAMER | O.D. | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| STABILIZER | O.D. | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| JARS | | KIND | | | FT | KIND | | | FT | KIND | | | FT |
| BUMPER SUB | | | | | FT | | | | FT | | | | FT |
| BIT OR CORE BARREL | | | | | FT | | | | FT | | | | FT |
| TOTAL D.P. & TODS | | | | | FT | | | | FT | | | | FT |
| KELLY DOWN (BLOW BY) | | | | | FT | | | | FT | | | | FT |
| DEPTH OF TOOLS | | | | | FT | | | | FT | | | | FT |
| TOUR | | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | | | | | FEET | | | | FEET | | | | FEET |
| DEPTH START OF TOUR | | | | | FEET | | | | FEET | | | | FEET |
| FOOTAGE DRILLED | | | | | FEET | | | | FEET | | | | FEET |

TOUR 1
B. & GEL
TOUR 2
TOUR 3

| DAY WORK | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|---------------|---------|------|------|------|----------|------|------|------|-----------|------|-------|-------|
| | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

**FALCON
B.J. B
8' PALL
FROM**

| MUD LEVEL IN TANKS | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|--------------------|---------|------|--------|---------|----------|------|--------|---------|-----------|------|--------|---------|
| | NET | SIZE | SERIAL | REMARKS | NET | SIZE | SERIAL | REMARKS | NET | SIZE | SERIAL | REMARKS |
| | | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|--------------------|--------------------|
| | DRILLER | <i>[Signature]</i> | <i>[Signature]</i> |
| DERICKMAN | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| HELPER | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| FIREMAN | | | |
| TOOL PUSHER | | | |

TOUR REPORT

N. 61° 09' 32"
W. 137° 26' 44"

CONTRACTOR **G.P. Drilling** RIG NO. **15**

FIELD **Wildcat**

WELL NAME **Chevron S08C** LSP **YT**

SEC **J-70** TWP

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

LOGIC 24 HOUR ENDING TIME ON LOG **JAN 19 1973**

MUD and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|------|---------------------|----|------|----------------------|------|----|-----------------------|----|--|
| STANDS | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | |
| SINGLE | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | |
| X OVER SUB | O.D. | | FT | | FT | | FT | | FT | |
| OTR R | O.D. | | FT | | FT | | FT | | FT | |
| DR L COLLARS | O.D. | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | O.D. | NO | FT | NO | FT | NO | FT | NO | FT | |
| REAMER | O.D. | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| STABILIZER | O.D. | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| JARS | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| BUMPER SUB | | | FT | | FT | | FT | | FT | |
| BIT OR CORE BARREL | | | FT | | FT | | FT | | FT | |
| TOTAL D.P. & TOOLS | | | FT | | FT | | FT | | FT | |
| KELLY DOWN (BELOW R.B.) | | | FT | | FT | | FT | | FT | |
| DEPTH OF TOOLS | | | FT | | FT | | FT | | FT | |

TOUR 1

TOUR 2

GEL CAUSTIC

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | 216 FEET | | 216 |
| DEPTH START OF TOUR | 216 FEET | 216 | |
| FOOTAGE DRILLED | FEET | FEET | FEET |

GEL CAUSTIC

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

Handwritten notes:
Mud weight
viscosity

| NO. | SIZE | SERIAL | BIT KIND | DEPTH | TYPE | REMARKS |
|-----|------|--------|----------|-------|------|---------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|----------------------|----------------------|------------------------|
| DRILLER | <i>Jack Foley</i> | <i>G. P. Jensen</i> | <i>G. Skemer</i> |
| DE RIG MAN | <i>Bill Woodhoff</i> | <i>John Marshall</i> | <i>Larry Leptich</i> |
| HELPER | <i>Al Van Damme</i> | <i>Pat Oughlin</i> | <i>Donald Kitchner</i> |
| HELPER | <i>Guy Jorgerson</i> | | <i>Tom Unhand</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>Al Hamba</i> | | |

973

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|------------------------------------|-------|----|
| Kind | Amount | | |
| TOUR 1 | | 97.00 | |
| TOUR 2 | GEL CAUSTIC 60 SACKS 2 SACKS | | |
| TOUR 3 | GEL CAUSTIC 20 SACKS 2 SACKS | | |

OTHER HOURLY OPERATING DETAIL
WORK DONE

Finish cleaning shaker tank. Thaw Mud Rolls & Manifold. Find & Hook up hoses between tanks. Clean out ~~cellar~~ ~~Manifold & Sump~~ Rigging up Alcohol Circulating System. Repair CAMERON VALVES & LEAKS in Mud Roll.

Work on #2 Pump, Change lubricator pump + Thaw out lubricator system on #2 Pump. Rig up Alcohol Circulating System, Mix Mud, TEAR DOWN Steam Heater in sub so we can work on Repair

WORK ON No. 1 Pump. REPLACE CROSS HEADS & PONY RODS. REPAIR ALCOHOL CIR PUMP CEMENT CELLAR.

CEMENTING, TESTING, FINISHING, SPECIAL JOB DETAILS, INFLUENT ENGINEERING SUMMARIES

Affected pump full of mud, the packer is working showing trouble getting it to work.

[Handwritten Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **GP DRILLING**

RIG NO. **15**

FIELD **WHITE FISH** WELL NAME **CHRUPON 5038, YF J 70**

DRILLING DEEPENING COMPLETING **H 67' 0" 91' 92' 1137' 26' 34'** TWP **10R** R **W**

REDRILLING ABANDONING REWORKING **FOR 24 HOURS ENDING 12 MIDNIGHT** **JAN 18 / 73** 19

MUD and CHEM Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | END OF DAYLIGHT TOUR | | | END OF AFTERNOON TOUR | | |
|-------------------------|----------------|---------------------|--------|------|----------------------|------|------|-----------------------|------|--|
| STANDS | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | |
| SINGLE | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | |
| X OVER SUB | O.D. | | 769 | | 769 | | | | | |
| OTHER | O.D. | | | | | | | | | |
| DRILL COLLARS | 2 - 10 O.D. | | 6049 | | 6049 | | | | | |
| DRILL COLLARS | 2 - 7 O.D. | NO | 6234 | NO | 6234 | NO | 6234 | NO | 6234 | |
| REAMER | O.D. | KIND | | KIND | | KIND | | KIND | | |
| STABILIZER | 2 - 9 1/2 O.D. | KIND | 1409 | KIND | | KIND | | KIND | | |
| JARS | | KIND | | KIND | | KIND | | KIND | | |
| BUMPER SUB | | KIND | | KIND | | KIND | | KIND | | |
| BIT OR CORE BARREL | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | 37 | | 15 | | | | | |
| DEPTH OF TOOLS | | | 171.56 | | | | | | | |

TOUR 1

TOUR 2

TOUR 3

| TOUR | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
|---------------------|--------------|-----|------|---------------|-----|------|----------------|--|------|
| DEPTH END OF TOUR | 171 | 171 | FEET | 216 | 216 | FEET | | | FEET |
| DEPTH START OF TOUR | 109 | 109 | FEET | 171 | 171 | FEET | | | FEET |
| FOOTAGE DRILLED | 62 | 62 | FEET | 45 | 45 | FEET | | | FEET |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | / | | | | | | | | | | | |
| ROTARY SPEED | 100 | 100 | | | 100 | 100 | | | | | | |
| WEIGHT ON BIT | | 5 | | | | | | | | | | |
| MUD WEIGHT | / | | | | | | | | | | | |
| VISCOSITY | / | | | | | | | | | | | |
| W.L.F.C. | / | | | | | | | | | | | |
| pH | / | | | | | | | | | | | |
| MUD LEVEL IN TANKS | / | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | LOGGING | TOOL | NO. | NO. | NO. | NO. |
|-----|--------|--------|-------------------|---------|--------|-----|-----|-----|---------|
| 1A | 17 1/2 | 095210 | H.W OSC 16 | - | 10 1/2 | 0 | 171 | 171 | Running |
| | | | | | 13 3/4 | 171 | 216 | 216 | |

HIT W
200 -
COPPER
HOOK

FALCON
STRING
SYSTEM

11:30 PM
AND
OTHER

| CORE | No. | No. | DIST No. | FROM | TO | RECOVERY | HOURS |
|----------|-----|-----|----------|------|----|----------|-------|
| TYPE | | | PREFLOW | | | | |
| FROM | | | 1ST | | | | |
| TO | | | V.O. | | | | |
| RECOVERY | | | F.S.T. | | | | |
| HOURS | | | RECOVERY | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR | TOTAL | FOOTAGE |
|-------------|--------------|---------------|----------------|-------|---------|
| DRILLER | John Fisher | John Fisher | W. Wood | 109 | 214 |
| DERRICKMAN | John Fisher | John Fisher | W. Wood | 140 | 254 |
| HELPER | John Fisher | John Fisher | W. Wood | 175 | 329 |
| HELPER | John Fisher | John Fisher | W. Wood | 205 | 434 |
| FIREMAN | | | | | |
| TOOL PUSHER | | | | | |

| MUD and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------|--------|------------------|------------------|---|
| Kind | Amount | | | |
| 19 | | 12 ⁰⁰ | 12 ⁴⁵ | RIGSEN SURU |
| UR | TOUR 1 | 12 ⁴⁵ | 3 ¹⁵ | DRILL 17 1/2 HOLES |
| FT | | 3 ¹⁵ | 3 ³⁰ | SURU |
| FT | | 3 ³⁰ | 6 ⁰⁰ | DRILL |
| FT | | 6 ⁰⁰ | | SET BACK KELLY TAKE OFF ROTOR HEAD |
| FT | | | | PUT a STABILIZERS |
| FT | | | | CHANGE INSERT RUBBER |
| FT | | | 8 ⁰⁰ | ON ROTOR HEAD |
| FT | TOUR 2 | 8 ⁰⁰ | 9 ³⁰ | Pick up Kelly put on Refueling Hoist |
| FT | | 9 ³⁰ | 11 ⁰⁰ | Warm up the Equip and get circulation |
| FT | | 11 ⁰⁰ | 11 ³⁰ | DR. 11. |
| FT | | 11 ³⁰ | 1 ⁰⁰ | SURVEY @ 175 Yd |
| FT | | 1 ⁰⁰ | 3 ³⁰ | DR. 14 |
| FT | | 3 ³⁰ | 4 ⁰⁰ | SURVEY @ 205 1° CLEAN hole |
| FT | | | | START OUT of Hole to take off Stabilizers |
| FT | TOUR 3 | 4 ⁰⁰ | 4 ¹⁵ | Rig Sew |
| FT | | 4 ¹⁵ | 4 ⁴⁵ | Lay Down 1-7' Drill Collar |
| FT | | 4 ⁴⁵ | 5 ⁴⁵ | Hoist (Had Trouble disconnecting Rotating Head) |
| FT | | 5 ⁴⁵ | 6 ⁴⁵ | Lay down Stabilizers |
| FT | | 6 ⁴⁵ | | Unload Surface Casing, Work on Steam |
| FT | | | | heater in pump house. |
| FT | | | 12 ⁰⁰ | Work on pump + mud tanks to mix mud |

CEMENTING, TESTING, TRAINING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

HIT WATER FLOW AT 190' - 216' Circulating at est. 200 - 300 BPH. Shut down foam drilling and convert to mud.

Hook up ALCOHOL REFRIGERATION SYSTEM.

FALCON TRANSPORT ARRIVED ON LEASE w/ 13 3/8" CASING STRING AT 7:00 PM. 11/8/73. ALCOHOL REFRIGERATION SYSTEM ARRIVED AT 10:00 PM.

FEDERAL

11:30 PM. CONSERVATION ENGINEERS GEORGE BLUE AND JOHN KIRK ARRIVED BY CHARTER TWIN OTTER TO DO RIG INSPECTION.

J. J. Henning
SHELL OIL COMPANY ENGINEER

TOUR REPORT

FIELD **WHITEFISH**

CONTRACTOR **G.M. DORNING** WELL NO. **15**

WELL NAME **CHEVRON SOBCE** WM **YT 378**
 N. 67° 09' 32" W
 2.137° 26' 32"

JAN 17

1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|----|
| STANDS | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| SINGLE | | | | | | | | | | | | |
| X OVER SUB | | | | | | | | | | | | |
| X OVER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| X D. Sub | | | | | | | | | | | | |
| REAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | |
| KELLY DOWN BELOW B.B. | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|--|--|--|---------------|--|--|--|----------------|--|--|--|
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | TIME | | | | | | | | | | | |
|--------------------|------|------|------|-------|-------|-------|------|------|------|------|------|------|
| | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | 12:00 | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00 |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | DATE | TIME | STATUS |
|-----|-------|--------|------|---------|----------------------------|
| 1A | 1 1/2 | 095210 | HT | RSC-1-G | 5 1/2 60 109 49 10 RUNNING |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------|----------------------|----------------------|----------------------|
| DRILLER | <i>John Dwyer</i> | <i>Paul Magallon</i> | <i>L. Playfair</i> |
| DE DRILL MARR | <i>John Marshall</i> | <i>John Marshall</i> | <i>John Marshall</i> |
| HELPER | <i>Phil. Potter</i> | <i>John Marshall</i> | <i>John Marshall</i> |
| HELPER | | <i>John Marshall</i> | <i>John Marshall</i> |
| HELPER | | <i>John Marshall</i> | <i>John Marshall</i> |
| FIRESMAN | | <i>John Marshall</i> | <i>John Marshall</i> |
| TOOL PUMPER | <i>John Marshall</i> | <i>John Marshall</i> | <i>John Marshall</i> |

MUD AND CHEMICAL Kind

TOUR 1

TOUR 2

TOUR 3

60
300
17
0.5%

CHEVRON

COORDINATE

GROUND

CONTRACT

1 1/2 IN. NAIL

DIRECTIONS

MUD AND

EQUIPPED

BIT'S WILL

CAN BE

ACCUMULATED

IF ON THE

MANUALLY

PIE, THREE

AND DUAL

11105.0

DAY JAN. 2

DRY JAN. 1

AT 7:30

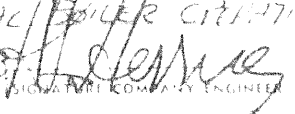
| MUD and CHEMICALS ADDED | | | OTHER HOURLY OPERATING DETAIL | |
|-------------------------|--|--|--|---|
| Kind | Amount | From | To | WORK DONE |
| TOUR 1 | | 12:00 | 8:00 | PICK UP 10" DC - 17 1/2 BIT STEAM CUT EQUIPMENT TO RIG UP TO SPUD |
| TOUR 2 | | 9:00 10:00 1:30 3:00 | 1:00 1:30 3:00 4:00 | Rig to Spud. DRILLING 17 1/4" hole CHANGE SWIVEL PACKING WORK ON KELLY HOSE TO SWIVEL UNIONS |
| TOUR 3 | 1/2 1 1/2 2 1/2 3 1/2 7:00 1 1/4 4 1 1/2 | 4:00 5:00 5:00 5:30 7:00 7:15 7:30 7:30 11:30 | 5:00 5:30 8:30 7:00 7:15 7:30 11:30 12:00 | RIG SERVED OUT ON SWIVEL CHANGE UNION ON KELLY HOSE CIRCULATE FORM PULL DRILL HEAD TO PICK UP 10" DRILL COLLAR SURVEY CIRCULATE FORM DRILL 17 1/4" HOLE PULL DRILL HEAD TO MAKE CONN |

CEMENTING DETAILS, LINES, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

100
4

60 PSI.
300 CFM.
17 gals per min.
0.5% sulfotex

CHEVRON SOBC WM WHITEFISH Y T J-70

COORDINATES: N 67° 09' 35" W. 137° 26' 44" DRG. AUTHORITY = 646.
GROUND ELEVATION: 1072.0', K.B. TO GROUND: 15.5', K.B. TO ~~1077~~ 1087'.
CONTRACTOR: GENERAL PETROLEUM DRILLING, CO. # 15, WITH
NATIONAL 55 DRAWWORKS POWERED BY TWO 231 H.P. GILL PILLAR
DIESEL ENGINES (110 H.P.), 4" DIAMETER PUMPS, 2" DIAMETER 5' x 10"
AND STAND BY PUMPS, 2" DIAMETER UNION BY 10" DIAMETER. RIG IS
EQUIPPED WITH 15" SERIES 100 DRILL AND 2" SERIES 100 SHAFFER
BITS WITH BLANK RAMS AND 4" DIAMETER DRILL RAMS. ALL BOP EQUIPMENT
CAN BE OPERATED HYDRAULICALLY FROM THE RIG FLOOR, OR BY AN
ACCUMULATOR, N₂ TUBES OF BAKER HAND PUMP LOCATED 150'
FROM THE WELL BORE. PIPE RAMS AND T-LANK RAMS CAN BE
MANUALLY OPERATED. ADDITIONAL EQUIPMENT INCLUDES 4" I.D. 1/2" WALL
PIPE, THREE 3' x 25' x 5' MOD TANKS, 2 - 1/2" 4" MOTOR OPERATED DIESEL PUMPS,
AND DUAL SHACE SHAPER. STARTED RIG MOVE JAN. 4, 1973, FROM CHEVRON WHITEFISH
Y T 105. ON CONTRACT TERMS CHEVRON PAYS MWE COST. INITIAL RIG CREATING
DAY JAN. 2, 1973, AT \$275/DAY AS PER CONTRACT. INITIAL BOP CREATING
DAY JANUARY 9, 1973. STARTED RIGGING UP JAN. 3, 1973. 
AT 1973 ¹¹ Day AS PER CONTRACT. STOPPED IN 1:00 PM, JAN 7, 1973.

TOUR REPORT

FIELD WHITEFISH WELL NO. CHLUPON SOB

OPERATOR GP DRILLING DATE 15

77 370

JAN 16

193

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|----|
| | SP | NO | FT | NO | SP | NO | FT | NO | SP | NO | FT | NO |
| STANDS | | | | | | | | | | | | |
| DINER | | | | | | | | | | | | |
| COVERED JOB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| BEAMER | | | | | | | | | | | | |
| STABLER | | | | | | | | | | | | |
| BAR | | | | | | | | | | | | |
| BUMP BLOCK | | | | | | | | | | | | |
| BELOW CORE BARREL | | | | | | | | | | | | |
| TOTAL SP & NO | | | | | | | | | | | | |
| FEED DOWN BELOW | | | | | | | | | | | | |
| DEPTH OF TOUR | | | | | | | | | | | | |
| TIME | | | | | | | | | | | | |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DROPPED | | | | | | | | | | | | |

| DAY WORKS | TIME | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISIBILITY | | | | | | | | | | | | |
| WELL | | | | | | | | | | | | |

| JOB | MATERIALS IN TANKS | | | | | | | | | | | |
|-------|--------------------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| DRILL | | | | | | | | | | | | |
| WATER | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | |
| WATER | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | |
| WATER | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | |
| WATER | | | | | | | | | | | | |

| SIGNATURE | MORNING TOUR | | | DAYLIGHT TOUR | | | AFTERNOON TOUR | | |
|-----------|--------------------|-------------------|---------------------|---------------|-----------|--------|----------------|-----------|--------|
| | DRILLER | DEPT. MAN | HELPER | DRILLER | DEPT. MAN | HELPER | DRILLER | DEPT. MAN | HELPER |
| DRILLER | <i>John Lodge</i> | <i>Jack Lyden</i> | <i>B. K. Karpis</i> | | | | | | |
| DEPT. MAN | <i>James</i> | <i>John</i> | <i>John</i> | | | | | | |
| HELPER | <i>John</i> | <i>John</i> | <i>John</i> | | | | | | |
| HELPER | <i>John</i> | <i>John</i> | <i>John</i> | | | | | | |
| HELPER | <i>John</i> | <i>John</i> | <i>John</i> | | | | | | |
| FOREMAN | <i>A. R. Hames</i> | | | | | | | | |

TOUR REPORT

CENTRAL TOUR **GP DRILLING** **15**

FIELD **WHITEFISH** WELL NAME **CHEURON SOBS** **Y7 J70** TWP. _____ R. _____ S. _____

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING OTHER **JAN 15** 19**73**

AMERICAN CHEMICAL

Co.

TOUR #

| DRILLING ASSEMBLY | END OF MORNING TOUR | END OF DAYLIGHT TOUR | END OF AFTERNOON TOUR |
|--------------------|---------------------|----------------------|-----------------------|
| STANDS | NO. _____ | NO. _____ | NO. _____ |
| SINGLE | NO. _____ | NO. _____ | NO. _____ |
| X-OVER SUB | NO. _____ | NO. _____ | NO. _____ |
| OTHER | NO. _____ | NO. _____ | NO. _____ |
| DRILL COLLARS | NO. _____ | NO. _____ | NO. _____ |
| DRILL COLLARS | NO. _____ | NO. _____ | NO. _____ |
| REAMER | KIND _____ | KIND _____ | KIND _____ |
| STABILIZER | KIND _____ | KIND _____ | KIND _____ |
| JARS | KIND _____ | KIND _____ | KIND _____ |
| BUMPER SUB | KIND _____ | KIND _____ | KIND _____ |
| BIT OR CORE BARREL | NO. _____ | NO. _____ | NO. _____ |
| TOTAL D.P. & TOOLS | NO. _____ | NO. _____ | NO. _____ |
| SET DOWN BELOW | NO. _____ | NO. _____ | NO. _____ |
| DEPTH OF TOOLS | FEET _____ | FEET _____ | FEET _____ |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | FEET _____ | FEET _____ | FEET _____ |
| DEPTH START OF TOUR | FEET _____ | FEET _____ | FEET _____ |
| FOOTAGE DRILLED | FEET _____ | FEET _____ | FEET _____ |

| DAY WORK | MON | TUE | WED | THUR | FRI | SAT | SUN |
|---------------|-------|-------|-------|-------|-------|-------|-------|
| PUMP | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| ROTARY SPEED | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| WEIGHT ON BIT | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| MUD WEIGHT | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| VISCOSITY | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| W.L.F.C. | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

| MUD LEVEL IN TANKS | DRY | WET | SEMI | WET | WET | WET | WET |
|--------------------|-------|-------|-------|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

| CORE | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
|----------|-------|-------|-------|-------|-------|-------|-------|
| TYPE | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| FROM | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| TO | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| RECOVERY | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| HOURS | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|----------------------|------------------|
| DRILLER | <i>John Dodge</i> | <i>Bill G. Staff</i> | <i>D. Jensen</i> |
| DRILL MAN | <i>Robert</i> | <i>Jack</i> | <i>Tom</i> |
| HELPER | <i>Mark</i> | <i>Van</i> | <i>Tom</i> |
| HELPER | <i>Tom</i> | <i>Tom</i> | <i>Tom</i> |
| HELPER | <i>Tom</i> | <i>Tom</i> | <i>Tom</i> |
| FIREMAN | <i>Tom</i> | <i>Tom</i> | <i>Tom</i> |
| TOUR NUMBER | <i>1</i> | <i>1</i> | <i>1</i> |
| DRILLER'S | <i>John Dodge</i> | <i>Bill G. Staff</i> | <i>D. Jensen</i> |

TOUR REPORT

FIELD WHITEFISH WELL CHEURON SOBS Y7 J70

PROPERTY OF G.P. D. MINNERY 15

JAN 14 1973

| DROPPING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAY (LAST) TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|----------|---------------------|--|--|--|------------------------|--|--|--|-----------------------|--|--|--|
| STANDS | D.P. NO. | | | | | | | | | | | | |
| SINGLE | D.P. NO. | | | | | | | | | | | | |
| X-OVER SUB | D.P. | | | | | | | | | | | | |
| OTHER | D.P. | | | | | | | | | | | | |
| DRILL COLLARS | D.P. | | | | | | | | | | | | |
| DRILL COLLARS | D.P. NO. | | | | | | | | | | | | |
| BEAMER | D.P. NO. | | | | | | | | | | | | |
| STABILIZER | D.P. NO. | | | | | | | | | | | | |
| GAUG | D.P. NO. | | | | | | | | | | | | |
| BUMPERS | D.P. | | | | | | | | | | | | |
| BEFORE RE-BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| FEET DOWN BLOWERS | | | | | | | | | | | | | |
| DEPTH OF TOURS | | | | | | | | | | | | | |
| TOUR | | MORNING TOUR | | | | DAY (LAST) TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|
| | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.F.C. | | | | | | | | | | | | |

| D.H. | | MUD LEVEL IN TANKS | | | | | | | | | | | |
|------|-----|--------------------|-------|------|-----|--------|--------|----------|----------|---------|---------|-----------|--|
| NO. | NO. | SEVEN | EIGHT | NINE | TEN | ELEVEN | TWELVE | THIRTEEN | FOURTEEN | FIFTEEN | SIXTEEN | SEVENTEEN | |
| | | | | | | | | | | | | | |

| COIL | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TYPE | | | | | | | | | | | | |
| FROM | | | | | | | | | | | | |
| TO | | | | | | | | | | | | |
| REUSE | | | | | | | | | | | | |
| HOURS | | | | | | | | | | | | |

| SIGNATURE | MORNING TOUR | DAY (LAST) TOUR | AFTERNOON TOUR |
|-------------|--------------------|-------------------|------------------|
| DRILLER | <i>John Sledge</i> | <i>Jack Tyler</i> | <i>D. Haynes</i> |
| LEADERMAN | | | |
| HELPER | | | |
| HELPER | | | |
| HELPER | | | |
| FIREMAN | | | |
| TOOL PUSHER | <i>W. H. Hanks</i> | | |

| MUD and CHEMICALS ADDED | | | From | To |
|-------------------------|-----------|------------------|-----------------|----|
| Kind | Am. Cont. | | | |
| FLUR 1 | | 12 ⁰⁰ | | |
| | | | 8 ⁰⁰ | |
| FLUR 2 | | 8 ⁰⁰ | | |
| | | | 5 ⁰⁰ | |
| FLUR 3 | | 4 ⁰⁰ | | |
| | | 7 ⁰⁰ | 7 ⁰⁰ | |

OTHER HOURLY OPERATING DETAIL
WORK DONE

CLEAN OUT MUD TANKS
PUT DOORS ON SUB
HOOK UP STEAM HEATER IN TUMPHOUS

Repair steam heaters
Plug Holes in SUB + Pump base
Set up GRADGR FOR TRUCKS
WELD WELD

DIG CATHAR Plug Holes in
SUB.
Rig up CATHAR LIGHTS
Help work on. MAKE UP + PUT
ON CONDUCTOR PIPE + ERIC HAND

TOUR REPORT

WELL NO. **GP DRILLING 15**

FIELD **WHITEFISH** DEPT. **CHEVON SOB** Y.T. **370**

JAN 13

1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|---------------------|-----|------|-----|----------------------|-----|------|-----|-----------------------|-----|------|-----|
| | FEET | NO. | FEET | NO. | FEET | NO. | FEET | NO. | FEET | NO. | FEET | NO. |
| STANDS | | | | | | | | | | | | |
| SINGLE | | | | | | | | | | | | |
| X OVER SUB | | | | | | | | | | | | |
| GUIDE | | | | | | | | | | | | |
| DRILL COLLAR | | | | | | | | | | | | |
| DRILL COLLAR | | | | | | | | | | | | |
| BEAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JAG | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL DR & LOG | | | | | | | | | | | | |
| KELLY DOWN BELOW | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |
| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------------|-------|---|----|---|----|----|----|---|----|---|----|---|
| | AM | 4 | AM | 7 | AM | 10 | AM | 1 | PM | 4 | PM | 7 |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED (RPM) | | | | | | | | | | | | |
| WEIGHT ON BIT (WTB) | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VIS-O-METER | | | | | | | | | | | | |
| W.F.C. | | | | | | | | | | | | |

| MUD LEVEL IN TANKS | FEET | | | | | | | | | | | |
|--------------------|------|---|----|---|----|----|----|---|----|---|----|---|
| | AM | 4 | AM | 7 | AM | 10 | AM | 1 | PM | 4 | PM | 7 |
| | | | | | | | | | | | | |

| CORE No. | No. | FEET | | | | | | | | | | | |
|----------|-----|------|---|----|---|----|----|----|---|----|---|----|---|
| | | AM | 4 | AM | 7 | AM | 10 | AM | 1 | PM | 4 | PM | 7 |
| TYPE | | | | | | | | | | | | | |
| FROM | | | | | | | | | | | | | |
| TO | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | |
| HOURS | | | | | | | | | | | | | |

| SUPERVISOR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|-------------|----------------------|----------|------|------|-------------------|----------|------|------|-------------------|----------|------|------|
| | NAME | INITIALS | TIME | TIME | NAME | INITIALS | TIME | TIME | NAME | INITIALS | TIME | TIME |
| DRILLER | <i>John Sedgwick</i> | | | | <i>Jack Syber</i> | | | | <i>J. Hayfair</i> | | | |
| DRILLER MAN | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| FOREMAN | | | | | | | | | | | | |
| TORN NUMBER | <i>AR Jensen</i> | | | | | | | | | | | |
| DRILLER | | | | | | | | | | | | |

| 1973 | W. Plant CHEMICALS ADDED | From | To |
|------|--------------------------|--------|------|
| HR | Kind | Amount | |
| | ALK 1 | 1200 | 800 |
| | | 200 | 400 |
| | | 200 | 1200 |

OTHER HOURLY OPERATING DETAIL
WORK DONE

PUT UP FLOOR PREFABS

Put Roof on Floor PREFABS
Put up Pump House PREFABS +
PUT ON ROOF.

Rig up # 2 Boiler.
Rig up Pump Sections + MUD
TANKS
INSULATE STEAM LINES.

TOUR REPORT

FIELD: WHITFISH CHAFUNOV SOBE CP DRAINING YT 270 15
 DATE: _____ TIME: _____ YEAR: JAN 12 1973

| DRILLER | TIME OF MORNING TOUR | TIME OF AFTERNOON TOUR | TIME OF EVENING TOUR | TIME OF NIGHT TOUR |
|------------------|----------------------|------------------------|----------------------|--------------------|
| STAFF | | | | |
| TYPE | | | | |
| ✓ OVER JOB | | | | |
| DEPTH | | | | |
| TIME | | | | |
| LOGS | | | | |
| REMARKS | | | | |
| START TIME | | | | |
| STOP | | | | |
| REMARKS | | | | |
| REMARKS OF OTHER | | | | |
| DEPTH OF WATER | | | | |
| DEPTH OF MUD | | | | |
| DEPTH OF SAND | | | | |
| DEPTH OF ROCK | | | | |
| DEPTH OF OIL | | | | |

| DAY WORK | AM | PM | AM | PM |
|----------|----|----|----|----|
| PLUG | | | | |
| REMARKS | | | | |
| WEIGHT | | | | |
| AMOUNT | | | | |
| WEIGHT | | | | |
| WEIGHT | | | | |

| TIME | TIME | TIME | TIME | TIME |
|-------|------|------|------|------|
| START | | | | |
| STOP | | | | |
| START | | | | |
| STOP | | | | |
| START | | | | |
| STOP | | | | |

DATE: _____ TIME: _____ YEAR: _____
 SIGNATURE: MORNING TOUR
 OPERATOR: Jack Syber
 SUPERVISOR: John Selby
 CHECKER: B. Hayler
 COMMENTS: _____
 SIGNATURE: AL Shankus

973

MATERIALS CHEMICALS ADDED

| Kind | Amount |
|------|--------|
| | |
| | |
| | |

From To

8⁰⁰

4⁰⁰

8⁰⁰

4⁰⁰

12⁰⁰

OTHER HOURLY OPERATING DETAIL WORK DONE

WORK ON STEAM DRUMS
 CHANGE PIPING ON 1-FLOOR COMP +
 INSTALL SAMPLER.

PUT PUMP HOUSE (PIL) SUBS IN PLACE
 LINE UP PUMPS
 WELD COUPLER FOR BOTTOM OF 13 1/2
 CISING FOR ROT HELIX.

PUT UP PREFABS AROUND PUMP
 REPAIR STEAM LEAKS

PUT ON PUMP GUARDS
 WORK ON LIGHTS
 PUT NEW GRAB ON ROTARY DRUM
 + WORK ON SAMPLER + PUT ON
 ROTARY CHAIN.

TOUR REPORT

CONTRACTOR *BY DRILLING* REF NO. *19*

FIELD *WHIT FISH* WELL NAME *WHITE FISH* END *104 W PARKIN*

DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING FOR 24 HOURS END NO. 12 MONTHS *JAN 10* 1973

M. D. and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|----------------------|------|---------------------|-----|------|-----|----------------------|-----|------|-----|-----------------------|-----|------|-----|
| STANDS | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| SINGLE | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| X OVER SUB | D.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| OTHER | D.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| DRILL COLLARS | D.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| DRILL COLLARS | D.D. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| REAMER | D.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| STABILIZER | D.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| JARS | | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| BUMPER SUB | | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| BIT OR CORE BARREL | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| TOTAL D.P. & TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| KELLY DOWN (BELOW R) | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| DEPTH OF TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |

TOOL 1
TOOL 2
TOOL 3

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | FEET | FEET | FEET |
| DEPTH START OF TOUR | FEET | FEET | FEET |
| FOOTAGE DRILLED | FEET | FEET | FEET |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|----------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 AM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM |
| PUMP | PSI | | | | | | | | | | | |
| ROTARY SPEED | RPM | | | | | | | | | | | |
| WEIGHT ON BIT | LBS | | | | | | | | | | | |
| MUD WEIGHT | LB/GAL | | | | | | | | | | | |
| VISCOSITY | SPU/G | | | | | | | | | | | |
| W.L.F.C. | % | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT. DIS. | | | | | | | | | | | |

| NO. | NO. | DEPTH | BIT KIND | LINE TYPE | TYPE | REMARKS |
|----------|-----|-------|----------|-----------|------|---------|
| CORE | NO. | NO. | DST NO. | FROM | | |
| TYPE | | | PRE FLOW | | | |
| FROM | | | ES | | | |
| TO | | | V.O. | | | |
| RECOVERY | | | ES | | | |
| HOURS | | | RECOVERY | | | |

SIGNATURES

MORNING TOUR *[Signature]* DAYLIGHT TOUR *John Sedgwick* AFTERNOON TOUR

DRILLER

DERRICKMAN

HELPER

HELPER

HELPER

FIREMAN

TOOL PUSHER *[Signature]*

REVISION

TOUR REPORT

CONTRACTOR *BY DRILLING* REF NO. *19*

FIELD *WHIT FISH* WELL NAME *WHITE FISH* END *104 W PARKIN*

DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING FOR 24 HOURS END NO. 12 MONTHS *JAN 10* 1973

M. D. and CHEMICAL Kind

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|----------------------|------|---------------------|-----|------|-----|----------------------|-----|------|-----|-----------------------|-----|--|--|
| STANDS | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | | |
| SINGLE | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | | |
| X OVER SUB | D.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | |
| OTHER | D.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | |
| DRILL COLLARS | D.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | |
| DRILL COLLARS | D.D. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | | |
| REAMER | D.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | | |
| STABILIZER | D.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | | |
| JARS | | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | | |
| BUMPER SUB | | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | | |
| BIT OR CORE BARREL | | | FT. | | FT. | | FT. | | FT. | | FT. | | |
| TOTAL D.P. & TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | |
| KELLY DOWN (BELOW R) | | | FT. | | FT. | | FT. | | FT. | | FT. | | |
| DEPTH OF TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | |

TOOL 1
TOOL 2
TOOL 3

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | FEET | FEET | FEET |
| DEPTH START OF TOUR | FEET | FEET | FEET |
| FOOTAGE DRILLED | FEET | FEET | FEET |

| DAY WORK | HOURS | | | | | | | | | | | |
|--------------------|----------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 AM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM |
| PUMP | PSI | | | | | | | | | | | |
| ROTARY SPEED | RPM | | | | | | | | | | | |
| WEIGHT ON BIT | LBS | | | | | | | | | | | |
| MUD WEIGHT | LB/GAL | | | | | | | | | | | |
| VISCOSITY | SPU/G | | | | | | | | | | | |
| W.L.F.C. | % | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT. DIS. | | | | | | | | | | | |

| NO. | NO. | DEPTH | BIT KIND | LINE TYPE | TYPE | REMARKS |
|----------|-----|-------|----------|-----------|------|---------|
| CORE | NO. | NO. | DST NO. | FROM | | |
| TYPE | | | PREFLOW | | | |
| FROM | | | ES | | | |
| TO | | | V.O. | | | |
| RECOVERY | | | ES | | | |
| HOURS | | | RECOVERY | | | |

SIGNATURES

MORNING TOUR *[Signature]* DAYLIGHT TOUR *John Sedgwick* AFTERNOON TOUR

DRILLER

DERRICKMAN

HELPER

HELPER

HELPER

FIREMAN

TOOL PUSHER *[Signature]*

TOUR REPORT

FIELD Whitefish WELL NAME Whitefish #2 DATE 10-1 CONTRACTOR M.P. Drilling 12
 OPERATOR W. Parkin

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYEIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|----|
| | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| STANDS | | | | | | | | | | | | |
| SINGLE | | | | | | | | | | | | |
| X-OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRELL COLLARS | | | | | | | | | | | | |
| DRELL COLLARS | NO | | | | | | | | | | | |
| BEAMER | KIND | | | | | | | | | | | |
| STABILIZER | KIND | | | | | | | | | | | |
| JARS | KIND | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | |
| KELLY DOWN BELOW B.B. | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|----|----|----|---------------|----|----|----|----------------|----|----|----|
| | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

| pH | MUD LEVEL IN TANKS | | | | | | | | | | | |
|----|--------------------|------|--------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | NO | SIZE | SERIAL | BIT KIND AND TOOL | RECOVERY | RECOVERY | RECOVERY | RECOVERY | RECOVERY | RECOVERY | RECOVERY | RECOVERY |
| | | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|-------------|--------------|----|--------|------|---------------|---------|---------|---------|----------------|---------|---------|---------|
| | NO | NO | DST NO | FORM | PREFLOW | PREFLOW | PREFLOW | PREFLOW | PREFLOW | PREFLOW | PREFLOW | PREFLOW |
| DRILLER | | | | | | | | | | | | |
| DRILLER | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| FIREMAN | | | | | | | | | | | | |
| TOOL PULLER | | | | | | | | | | | | |

TOUR REPORT

CONTRACTOR **SP DRIG** WELLS 15

FIELD **WHITE FISH** WELL NAME **WHITE FISH** D.D. **104 W PARKIN**

(1) DRILLING (2) DEEPENING (3) COMPLETING
 (4) REDRILLING (5) ABANDONING (6) REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **19**

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|--------------------|----|---------------------|----|------|----|----------------------|----|------|----|-----------------------|----|--|--|
| | DP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | | |
| STANDS | DP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | | |
| JINGLE | DP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | | |
| X-OVER SUB | DD | | FT | | FT | | FT | | FT | | FT | | |
| OTHER | DD | | FT | | FT | | FT | | FT | | FT | | |
| DRILL COLLARS | DD | | FT | | FT | | FT | | FT | | FT | | |
| DRILL COLLARS | DD | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | | |
| REAMER | DD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | | |
| STABILIZER | DD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | | |
| WARS | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | | |
| BUMPER SUB | | | FT | | FT | | FT | | FT | | FT | | |
| BIT OR CORE BARREL | | | FT | | FT | | FT | | FT | | FT | | |
| TOTAL DP & TOOLS | | | FT | | FT | | FT | | FT | | FT | | |
| KELLY DOWN BELOWER | | | FT | | FT | | FT | | FT | | FT | | |
| DEPTH OF TOOLS | | | FT | | FT | | FT | | FT | | FT | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | FEET | FEET | FEET |
| DEPTH START OF TOUR | FEET | FEET | FEET |
| FOOTAGE DRILLED | FEET | FEET | FEET |

| DAY WORK | MORNING HOURS | | | | AFTERNOON HOURS | | | |
|--------------------|---------------|---------|---------|---------|-----------------|---------|---------|---------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM |
| PUMP | | | | | | | | |
| ROTARY SPEED | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | |
| MUD WEIGHT | | | | | | | | |
| VISCOSITY | | | | | | | | |
| W.L.F.C. | | | | | | | | |
| pH | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | RETURNED TO TANK | REASON FOR LOSS | REMARKS |
|-----|------|--------|-------------------|------------------|-----------------|---------|
| | | | | | | |

| CORE No. | DSI No. | FROM | TO | RECOVERIES |
|----------|---------|------|----|------------|
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|--------------------|----------------|
| DRILLER | <i>[Signature]</i> | <i>[Signature]</i> | |
| DERRICKMAN | | | |
| HELPER | | | |
| HELPER | | | |
| HELPER | | | |
| FIREMAN | | | |
| TOOL PUSHER | <i>[Signature]</i> | | |

TOUR REPORT

HEVROM 308C WM YTD-70
Wheatburn
15-
Wheatburn #2
 CONTRACTOR
 WELL NAME
 JOB NO.
 REC
 TWP
 TOWN
 RANGE
 SECTION
 DATE
 TIME

FIELD *Egg Plains* WELL NAME *Wheatburn #2* JOB NO. *308C WM YTD-70* REC *Wheatburn* TWP *15-* TOWN *Wheatburn* RANGE *Wheatburn* SECTION *Wheatburn* DATE *Jan 6* TIME *1973*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|--------------------|---------------------|------|----|------|----------------------|------|----|------|-----------------------|------|----|--|
| STANDS | OP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| SINGLE | OP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| X OVER SUB | OD | | FT | | FT | | FT | | FT | | FT | |
| OTHER | OD | | FT | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | OD | | FT | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | OD | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| REAMER | OD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| STABILIZER | OD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| JARS | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| BUMPER SUB | | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | |
| BETW ORE BARREL | | | FT | | FT | | FT | | FT | | FT | |
| TOTAL D.P. & TOOLS | | | FT | | FT | | FT | | FT | | FT | |
| KELLY DOWN BELOWER | | | FT | | FT | | FT | | FT | | FT | |
| DEPTH OF TOOLS | | | FT | | FT | | FT | | FT | | FT | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|--|------|--|---------------|--|------|--|----------------|--|--|------|
| DEPTH END OF TOUR | | | FEET | | | | FEET | | | | | FEET |
| DEPTH START OF TOUR | | | FEET | | | | FEET | | | | | FEET |
| FOOTAGE DRILLED | | | FEET | | | | FEET | | | | | FEET |

| DAY WORK | 12 AM | 1 AM | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM |
|---------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |

| | |
|--------------------|------|
| WLF C | |
| DH | |
| MUD LEVEL IN TANKS | FEET |

| NO | SIZE | SERIAL | BET KIND AND NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
|----------|------|--------|-----------------|-------|----|----|----|----|----|----|----|----|
| ORE | No | No | DST No | OR 10 | | | | | | | | |
| TYPE | | | PREFLOW | OR 10 | | | | | | | | |
| ROM | | | DST | OR 10 | | | | | | | | |
| TO | | | V.D | OR 10 | | | | | | | | |
| RECOVERY | | | F.S | OR 10 | | | | | | | | |
| OURS | | | RECOVERY | OR 10 | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|-----------------------|----------------------|
| RILLER | <i>Jack Tyler</i> | <i>John Fredlyk</i> | |
| ERRICKMAN | | <i>John Zimmerman</i> | |
| ELPER | <i>Pat Doughlin</i> | <i>John Murchant</i> | <i>Pat Taylor</i> |
| ELPER | <i>Ray Johnson</i> | <i>Phil Patton</i> | <i>Ray Zimmerman</i> |
| ELPER | <i>Van Thorne</i> | <i>Van Collett</i> | <i>Kiss/Murphy</i> |
| REMAN | | | |
| DOOL PUSHER | <i>CK Thomas</i> | | |

TOUR REPORT

CHEVRON 30RSCW M/T J-70

CONTRACTOR

Weatherly

15

FIELD *Egel Plains* WELL NAME *Whitely #2* DATE *Jan 5* 1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|----|
| | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO |
| STANDS | | | | | | | | | | | | |
| SINGLE | | | | | | | | | | | | |
| COVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| REAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | |
| BUMPER JOB | | | | | | | | | | | | |
| BIT OR CORE BARRE | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | |
| KELLY DOWN BELOW R.B. | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|----|----|----|---------------|----|----|----|----------------|----|----|----|
| | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 5:30 AM | 7:00 AM | 8:30 AM | 10:00 AM | 11:30 AM | 1:00 PM | 2:30 PM | 4:00 PM | 5:30 PM | 7:00 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

| MUD LEVEL IN TANKS | FT. IN | | | | | | | | | | | |
|--------------------|--------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | | | |

| CORE | NO. | SERIAL | BIT KIND AND TYPE | FEET | | METERS | | REMARKS |
|----------|-----|--------|-------------------|------|----|--------|----|---------|
| | | | | FROM | TO | FROM | TO | |
| TYPE | | | | | | | | |
| FROM | | | | | | | | |
| TO | | | | | | | | |
| RECOVERY | | | | | | | | |
| HOURS | | | | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|-----------------------|-----------------------|
| | DRILLER | <i>Jack Lydon</i> | <i>John Reddyk</i> |
| DERRICKMAN | | <i>Byle Zimmerman</i> | <i>Pat Longfellow</i> |
| HELPER | <i>W. Taylor</i> | <i>John MacInnes</i> | <i>Van Kammer</i> |
| HELPER | <i>Ray Gremore</i> | <i>Phil Potter</i> | <i>Ray Jayerson</i> |
| HELPER | <i>Ross Murphy</i> | <i>Tom Collett</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>E. H. Humber</i> | | |

TOUR REPORT

CAEVRON SOBC 47

CONTRACTOR *Westhorne*

WELLS *15*

FIELD *Sagehen* WELL NAME

1 - DRILLING 2 - DEEPENING 3 - AMBITIOUS

4 - REDRILLING 5 - ABANDONING 6 - REWORKING

J-70

Jan. 4

1978

| | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|------|---------------------|-----|-----|-----|----------------------|-----|-----|-----|-----------------------|-----|-----|-----|
| DRILLING ASSEMBLY | | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| STANDS | D.P. | | | | | | | | | | | | |
| SINGLE | D.P. | | | | | | | | | | | | |
| X-OVER SUB | O.D. | | | | | | | | | | | | |
| OTHER | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | | | | | | | | | | | | |
| DRILL COLLARS | O.D. | NO. | | | | | | | | | | | |
| REAMER | O.D. | KIND | | | | | | | | | | | |
| STABILIZER | O.D. | KIND | | | | | | | | | | | |
| JARS | | KIND | | | | | | | | | | | |
| BUMPER SUB | | KIND | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | | |
| KELLY DOWN BELOW R.B. | | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------|--------------|---------|---------|---------|---------------|----------|---------|---------|----------------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 AM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

| p.H | | MUD LEVEL IN TANKS | |
|-----|------|--------------------|---------|
| NO. | SIZE | SERIAL | FT. IN. |
| | | | |
| | | | |

| CORE | No. | No. | DST No. | FROM | TO |
|----------|-----|-----|----------|------|----|
| TYPE | | | PREFLOW | | |
| FROM | | | 1ST | | |
| TO | | | V.C. | | |
| RECOVERY | | | F.S.T. | | |
| HOURS | | | RECOVERY | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|--------------------|-----------------------|
| DRILLER | | <i>John Ludwig</i> | |
| DERRICKMAN | | <i>John Zimmer</i> | |
| HELPER | | <i>John Mackay</i> | <i>E. Van Driemel</i> |
| HELPER | | <i>Phil Potter</i> | <i>Jay Ferguson</i> |
| HELPER | | <i>Tom Cullett</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>Bill Thomas</i> | | |

1978

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MATERIALS CHEMICALS ADDED | | From | To |
|---------------------------|--------|-----------------|------------------|
| Kind | Amount | | |
| 7-14-1 | | | |
| 7-14-2 | | 8 th | |
| 7-14-3 | | | 10 th |

Put sub's on mats +
 put in SPRADINGS
 Go to rock site + load DERRICK
 + MOVE to location

CEMENTING TERTIARY FISHING GEAR - JOB DETAILS INCLUDING ENGINEERING SUMMARIES

[Handwritten Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CHEVRON 5030 W.M.

YT J-70

CONTRACTOR

Waltburne Logging

15-

FIELD *Egual Plains* NAME *Whitford #2*

REC

TWP

R

S

REDRILLING ABANDONING REWORKING EQUIPMENT REPAIRS OTHER

Jan 8

1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|--|
| | SP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| STANDS | | | | | | | | | | | | |
| SINGLE | | | | | | | | | | | | |
| X-OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | NO | | | | | | | | | | | |
| REAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JACKS | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL DR & TOOLS | | | | | | | | | | | | |
| KELLY DOWN BELOW KB | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | |
| | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | | |
|--------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| | 12:00 AM | 1:00 AM | 2:00 AM | 3:00 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM |
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | | |
| pH | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | |

| NO | SIZE | SERIAL | BIT RECORD | |
|----|------|--------|------------|------|
| | | | NO | DATE |
| | | | | |
| | | | | |
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|---------------------|----------------------|----------------------|
| | DRILLER | | <i>John Fedyk</i> |
| DERRICKMAN | | <i>Hyb Zimmerman</i> | |
| HELPER | | <i>John Mackay</i> | <i>E. Van Horn</i> |
| HELPER | | <i>Phil Patta</i> | <i>Ray Jorgensen</i> |
| HELPER | | <i>Lee Collett</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>W. H. Hansen</i> | | |

TOUR REPORT

CHEVRON 5030 W.M.

YT J-70

CONTRACTOR

Waburne Logging

15-

FIELD *Eagle Plains*

WELL NAME *Whitford #2*

REC

TWP

R

S

DRILLING DEEPENING COMPLETION REWORKING

Jan 8

1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|--|
| | SP | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | |
| STANDS | | | | | | | | | | | | |
| SINGLE | | | | | | | | | | | | |
| X-OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | NO | | | | NO | | | | NO | | |
| REAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JACKS | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL DR & TOOLS | | | | | | | | | | | | |
| KELLY DOWN BELOW KB | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | |
| | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | | | | | | | | | |
|--------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| | 12:00 AM | 1:00 AM | 2:00 AM | 3:00 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM |
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | | |
| pH | | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | | |

| NO | SIZE | SERIAL | BIT RECORD | |
|----|------|--------|------------|------|
| | | | NO | DATE |
| | | | | |
| | | | | |
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|----------------------|----------------------|
| | DRILLER | | <i>John Fedyk</i> |
| DERRICKMAN | | <i>Hyb Zimmerman</i> | |
| HELPER | | <i>John Mackay</i> | <i>E. Van Horn</i> |
| HELPER | | <i>Phil Patta</i> | <i>Ray Jorgensen</i> |
| HELPER | | <i>Lee Collett</i> | |
| FIREMAN | | | |
| TOOL PUSHER | <i>W.A. Hansen</i> | | |

HEVREN S O B C W M

TOUR REPORT

7-5-70

CONTRACTOR

Westburn Oil

REG NO

15

FIELD *Wheeler*

WHEELER 2

SEC

TWP

R.R.

W

1. DRILLING 2. DEEPENING 3. COMPLETING

4. REDRILLING 5. ABANDONING 6. REWORKING 7. 24 HOUR ENDING AT MIDNIGHT

Jan 2

1970

W. CHEMICAL
KIND

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|------|----|----|----------------------|----|----|------|-----------------------|----|------|----|
| | STANDS | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT |
| SINGLE | L.P. | NO | | FT | NO | | FT | NO | | FT | NO | |
| X OVER SUB | O.D. | | | FT | | | FT | | | FT | | |
| OTHER | O.D. | | | FT | | | FT | | | FT | | |
| DRILL COLLARS | O.D. | | | FT | | | FT | | | FT | | |
| DRILL COLLARS | O.D. | NO | | FT | NO | | FT | NO | | FT | NO | |
| REAMER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT | KIND | |
| STABILIZER | O.D. | KIND | | FT | KIND | | FT | KIND | | FT | KIND | |
| JARS | O.D. | KIND | | FT | KIND | | FT | KIND | | FT | KIND | |
| BUMPER STR | | KIND | | FT | KIND | | FT | KIND | | FT | KIND | |
| BIT OR CORE BARREL | | | | FT | | | FT | | | FT | | |
| TOTAL D.P. & TOOLS | | | | FT | | | FT | | | FT | | |
| KELLY DOWN BELOW B.B. | | | | FT | | | FT | | | FT | | |
| DEPTH OF TOOLS | | | | FT | | | FT | | | FT | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | |
| | | | | | | | | | | | | |

| DAY WORK | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|---------------|----------|---------|---------|---------|----------|----------|---------|---------|-----------|---------|---------|---------|
| | 12:30 AM | 1:00 AM | 1:30 AM | 2:00 AM | 6:00 AM | 12:00 AM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |

| pH | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|--------------------|----------|---------|---------|---------|----------|----------|---------|---------|-----------|---------|---------|---------|
| | 12:30 AM | 1:00 AM | 1:30 AM | 2:00 AM | 6:00 AM | 12:00 AM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT | | KIND | | ADDITIONAL | | NAME | |
|-----|------|--------|-----|------|------|------|------------|------|------|------|
| | | | NO. | SIZE | NO. | SIZE | NO. | SIZE | NO. | SIZE |
| | | | | | | | | | | |

| CORE | NO. | NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. | D&T NO. |
|----------|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | | | | | | |
| TYPE | | | | | | | | | | | | | | |
| FROM | | | | | | | | | | | | | | |
| TO | | | | | | | | | | | | | | |
| RECOVERY | | | | | | | | | | | | | | |
| HOURS | | | | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | | |
|-------------|------------------|--|--|--|------------------------|--|--|--|----------------|----------------------|--|--|--|
| | | | | | | | | | | | | | |
| DRILLER | | | | | <i>John Ludvig</i> | | | | | | | | |
| DERRICKMAN | | | | | <i>Jyle Gimney</i> | | | | | | | | |
| HELPER | | | | | <i>Walter Markopok</i> | | | | | <i>Edo Lander</i> | | | |
| HELPER | | | | | <i>Walter Katter</i> | | | | | <i>Joy Jorgenson</i> | | | |
| HELPER | | | | | <i>Tom Co. Hill</i> | | | | | | | | |
| FIREMAN | | | | | | | | | | | | | |
| TOOL PUSHER | <i>W. Hendry</i> | | | | | | | | | | | | |

973

| MATERIALS AND CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|-------------------------------|--------|------|----|---|
| Kind | Amount | | | |
| TOUR 1 | | | | |
| TOUR 2 | | | | LEAVE ARRIVER CAMP + CHECK PUT FLOOR + ROOF INS + INSULATE. STAYED SNOW OFF 12/6 PICKUP PLANKS SHANSON + HYWOOD ON ROCK SITE. |
| TOUR 3 | | | | |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |
| | | | | |

CEMENTING, TENDING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

[Handwritten Signature]
 ARCHITECT-CIVIL ENGINEER

TOUR REPORT

HEVIRON 50 RC WM

CONTRACTOR *Westburne Drilling* RIG NO *15*

FIELD *Eagal Plains* WELL NAME *Whitefish #2* DATE *Jan 1* 1973

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|---------------------|------|-----|-----|----------------------|------|-----|-----|-----------------------|------|-----|-----|
| | STANDS | D.P. | NO. | FT. | STANDS | D.P. | NO. | FT. | STANDS | D.P. | NO. | FT. |
| SINGLE | | | | | | | | | | | | |
| X-OVER SUB | | | | | | | | | | | | |
| OTHER DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| REAMER | | | | | | | | | | | | |
| STABILIZER | | | | | | | | | | | | |
| JARS | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | |
| BIT OR CORE BARREL | | | | | | | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | | | | | | | |
| KELLY DOWN (BELOW R.B.) | | | | | | | | | | | | |
| DEPTH OF TOOLS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | |
| | | | | | | | | | | | | |

| DAY WORK | MORNING | | | | AFTERNOON | | | |
|---------------|---------|--------|--------|--------|-----------|--------|--------|--------|
| | 2-3 AM | 4-5 AM | 6-7 AM | 8-9 AM | 1-2 PM | 3-4 PM | 5-6 PM | 7-8 PM |
| PUMP | | | | | | | | |
| ROTARY SPEED | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | |
| MUD WEIGHT | | | | | | | | |
| VISCOSITY | | | | | | | | |
| W.L.F.C. | | | | | | | | |

pH MUD LEVEL IN TANKS

| NO. | SIZE | SERIAL | BIT | REEL | NO. | DATE | TIME | REMARKS |
|-----|------|--------|-----|------|-----|------|------|---------|
| | | | | | | | | |

| CORE | NO. | DATE | TIME | REMARKS |
|------|-----|------|------|---------|
| | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------------|----------------------|----------------------|
| DRILLER | | <i>John Fredlyk</i> | |
| DERRICKMAN | | <i>Jack Jensen</i> | |
| HELPER | | <i>Alfon Moeback</i> | |
| HELPER | | <i>Phil Kottow</i> | <i>Ed Van Namee</i> |
| HELPER | | <i>San Collette</i> | <i>Jay Jorgensen</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>Ed Stambler</i> | | |

CHEVRON SOBC WM

TOUR REPORT

FIELD *Egal Plains* WELL NAME *Whitford #2* CONTRACTOR *Westhorne Drilling* 15'
 [] DRILLING [] DEEPENING [] COMPLETION [] REDRILLING [] ABANDONING [] REWORKING FOR 24 HOURS ENDING 11 MIDNIGHT *Dec 31* 1972

| DRILLING ASSEMBLY | | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-------------------------|------|---------------------|-----|------|-----|----------------------|-----|------|-----|-----------------------|-----|------|-----|
| STANDS | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| SINGLE | D.P. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| X OVER SUB | O.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| OTHER | O.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| DRILL COLLARS | O.D. | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| DRILL COLLARS | O.D. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. | NO. | FT. |
| REAMER | O.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| STABILIZER | O.D. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| JARS | | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| BUMPER SUB | | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. | KIND | FT. |
| BIT OR CORE BARREL | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| TOTAL D.P. & TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| KELLY DOWN (BELOW R.B.) | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |
| DEPTH OF TOOLS | | | FT. | | FT. | | FT. | | FT. | | FT. | | FT. |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | FEET | FEET | FEET |
| DEPTH START OF TOUR | FEET | FEET | FEET |
| FOOTAGE DRILLED | FEET | FEET | FEET |

| DAY WORK | HOURS | | | | HOURS | | | | HOURS | | | |
|--------------------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|----------|----------|
| | 2:00 AM | 4:00 AM | 6:00 AM | 8:00 AM | 10:00 AM | 12:00 AM | 2:00 PM | 4:00 PM | 6:00 PM | 8:00 PM | 10:00 PM | 12:00 PM |
| PUMP | SPM | PSI | | | | | | | | | | |
| ROTARY SPEED | RPM | | | | | | | | | | | |
| WEIGHT ON BIT | M LBS | | | | | | | | | | | |
| MUD WEIGHT | LB/GAL | | | | | | | | | | | |
| VISCOSITY | SEC/CM | | | | | | | | | | | |
| W. % C | CC/32IN | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | FT. LBS | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | START TIME | STOP TIME | REMARKS |
|-----|------|--------|-------------------|------------|-----------|---------|
| | | | | | | |

| CORE No. | No. | DST No. | FROM | TO | REMARKS |
|----------|-----|----------|------------|------------|---------|
| TYPE | | PREFLOW | NOV. 11 P. | NOV. 11 P. | |
| FROM | | FSI | NOV. 11 P. | NOV. 11 P. | |
| TO | | V.O. | NOV. 11 P. | NOV. 11 P. | |
| Recovery | | FSI | NOV. 11 P. | NOV. 11 P. | |
| HOURS | | RECOVERY | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|-------------------|-----------------------|---------------------|
| DRILLER | | <i>John Fadyk</i> | |
| DERRICKMAN | | <i>Lyle Zimmer</i> | |
| HELPER | | <i>John Mackinsek</i> | |
| HELPER | | <i>Phil Pottier</i> | <i>RD VanDrimme</i> |
| HELPER | | <i>Tom Collett</i> | <i>Guy Ferguson</i> |
| FIREMAN | | | |
| TOOL PUSHER | <i>W. Hankins</i> | | |

1972

HOUR
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FT
FEET
FEET
FEET
HOURS
P.M.

| MATERIALS and CHEMICALS ADDED | | From | To |
|-------------------------------|--------|------|----|
| Kind | Amount | | |
| TOUR 1 | | | |
| TOUR 2 | | | |
| TOUR 3 | | | |

OTHER HOURLY OPERATING DETAIL
WORK DONE

Rig up Camp + Go to Parkin
to pick up CREW + COOKS

Go to Rig 24 + Load STIRFOAM
+ Come to Parkin + Load STIRFOAM
+ Ply wood

CLEANING, TESTING, TIGHTENING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

H. L. Herring
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CHERKIN SOBCWM

CONTRACTOR

Western Drilling Co

15

FIELD *Sage Plains* WELL NAME *W-11-FISH #2*

SEC

TWP

RR

W

1) DRILLING 2) DEEPENING 3) COMPLETING

4) REDRILLING 5) ABANDONING 6) BE WORKING FOR 24 HOURS ENDING 12 MIDNIGHT

Dec 30

1972

MULTI-USE CHEMIC

Kind

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|------------------------|---------------------|------|----|------|----------------------|------|----|------|-----------------------|------|----|----|
| | STANDS | D.P. | NO | FT | STANDS | D.P. | NO | FT | STANDS | D.P. | NO | FT |
| SINGLE | D.P. | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | FT |
| X OVER SUB | OD | | FT | | FT | | FT | | FT | | FT | FT |
| OTHER | OD | | FT | | FT | | FT | | FT | | FT | FT |
| DRILL COLLARS | OD | | FT | | FT | | FT | | FT | | FT | FT |
| DRILL COLLARS | OD | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | FT |
| BEAMER | OD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | FT |
| STABILIZER | OD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | FT |
| JARS | OD | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | FT |
| BUMPER SUB | | | FT | | FT | | FT | | FT | | FT | FT |
| BIT OR CORE BARREL | | | FT | | FT | | FT | | FT | | FT | FT |
| TOTAL D.P. & TOOLS | | | FT | | FT | | FT | | FT | | FT | FT |
| KELLY DOWN (BE. OWR B) | | | FT | | FT | | FT | | FT | | FT | FT |
| DEPTH OF TOOLS | | | FT | | FT | | FT | | FT | | FT | FT |

TOUR 1

TOUR 2

TOUR 3

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|-------------------|---------------------|-----------------|-------------------|---------------------|-----------------|--|--|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | | |
| | | | | | | | | | | | | |

| DAY WORK | HOURS | | | | HOURS | | | | HOURS | | | |
|--------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------|------------|
| | 2:00 A.M. | 4:00 A.M. | 6:00 A.M. | 8:00 A.M. | 10:00 A.M. | 12:00 A.M. | 2:00 P.M. | 4:00 P.M. | 6:00 P.M. | 8:00 P.M. | 10:00 P.M. | 12:00 A.M. |
| PUMP | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | |
| pH | | | | | | | | | | | | |
| MUD LEVEL IN TANKS | | | | | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | FEET | | | |
|-----|------|--------|-------------------|------|---|---|---|
| | | | | 1 | 2 | 3 | 4 |
| | | | | | | | |

| SIGNATURES | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------------|--------------|------------|--------|--------|---------------|--------|--------|--------|----------------|--------|--------|--------|
| | DRILLER | DERRICKMAN | HELPER | HELPER | HELPER | HELPER | HELPER | HELPER | HELPER | HELPER | HELPER | HELPER |
| | | | | | | | | | | | | |
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RD Van Dammie
Guy TORRASON

CD Hambro

TOUR REPORT

CHENKON SCBC WAY

GP DRILL

REF NO 15

FIELD *Feasible Drains* WELL NAME *Whitefish #2* CONTRACTOR *CHENKON SCBC WAY* NO. *47 J-10* SEC. TWP. *19*

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|------|----|----|----------------------|----|----|------|-----------------------|----|------|----|
| | STANDS | DP | NO | FT | STANDS | DP | NO | FT | STANDS | DP | NO | FT |
| SINGLE | DP | NO | FT | DP | NO | FT | DP | NO | FT | NO | FT | |
| X OVER SUB | DP | NO | FT | DP | NO | FT | DP | NO | FT | NO | FT | |
| OTHER | DP | NO | FT | DP | NO | FT | DP | NO | FT | NO | FT | |
| DRILL COLLARS | DP | NO | FT | DP | NO | FT | DP | NO | FT | NO | FT | |
| DRILL COLLARS | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| REAMER | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| STARTERIZER | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| JARS | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| BUMPER SUB | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| BIT OR CORE BARREL | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| TOTAL DP & TOOLS | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| KELLY DOWN BELOW R.B. | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |
| DEPTH OF TOOLS | DP | KIND | FT | DP | KIND | FT | DP | KIND | FT | DP | KIND | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------|-------------------|---------------------|-----------------|-------------------|---------------------|-----------------|-------------------|---------------------|-----------------|--|--|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | | |
| | FEET | FEET | FEET | FEET | FEET | FEET | FEET | FEET | FEET | | | |

| DAY WORK | MORNING | | | | AFTERNOON | | | |
|---------------|---------|---------|---------|---------|-----------|---------|---------|---------|
| | 2:30 AM | 4:00 AM | 6:00 AM | 8:00 AM | 12:00 PM | 2:00 PM | 4:00 PM | 6:00 PM |
| PUMP | DP | DP | DP | DP | DP | DP | DP | DP |
| ROTARY SPEED | R.P.M. | R.P.M. | R.P.M. | R.P.M. | R.P.M. | R.P.M. | R.P.M. | R.P.M. |
| WEIGHT ON BIT | MTS | MTS | MTS | MTS | MTS | MTS | MTS | MTS |
| MUD WEIGHT | PPG | PPG | PPG | PPG | PPG | PPG | PPG | PPG |
| VISCOSITY | CPG | CPG | CPG | CPG | CPG | CPG | CPG | CPG |
| W.L.F.C. | CC/200 | CC/200 | CC/200 | CC/200 | CC/200 | CC/200 | CC/200 | CC/200 |

| MUD LEVEL IN TANKS | MORNING | | | | AFTERNOON | | | |
|--------------------|---------|------|------|------|-----------|------|------|------|
| | FEET | FEET | FEET | FEET | FEET | FEET | FEET | FEET |
| | | | | | | | | |

| NO. | SIZE | SERIAL | BIT KIND AND TYPE | MORNING | | AFTERNOON | |
|-----|------|--------|-------------------|---------|------|-----------|------|
| | | | | START | STOP | START | STOP |
| | | | | | | | |

| CORE NO. | TYPE | FROM | TO | RECOVER | HOURS | MORNING | | DAYLIGHT | | AFTERNOON | |
|----------|------|------|----|---------|-------|---------|------|----------|------|-----------|------|
| | | | | | | START | STOP | START | STOP | START | STOP |
| | | | | | | | | | | | |

| SIGNATURES | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|------------|--------------|-------------|--------|--------|---------------|-------------|--------|--------|----------------|-------------|--------|--------|
| | DRILLER | DE BRICKMAN | HELPER | HELPER | DRILLER | DE BRICKMAN | HELPER | HELPER | DRILLER | DE BRICKMAN | HELPER | HELPER |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Ed Van Damme *Guy Torgerson*

| M.D. and CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|--------------------------|--------|------|----|--|
| Kind | Amount | | | |
| 1976 | | | | |
| OUR | TOUR 1 | | | <p>Help 2nd Asst. in getting Cement Connector Plan.</p> <p>Clean up plywood & BAGS</p> <p>Pick up & load planks at rock site & Help trucks with camp</p> <p>Throw snow from around camp & path tracks out for trucks to load</p> <p>Throw snow from around Rig load out camp</p> <p>Start Light Plant</p> <p>Rig up camp</p> |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | TOUR 2 | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | | | | |
| FT | TOUR 3 | | | |
| R | | | | |
| FEET | | | | |
| FEET | | | | |
| FEET | | | | |
| HOURS | | | | |
| 12:00 PM | | | | |

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS, INCLUDING ENGINEERING SUMMARIES

H. H. Hays
 COMPANY ENGINEER

TOUR REPORT

By Eagle Plains

Dec 29

1972

Ch
W. J. CHEMICAL

| DRILLING INFORMATION | | START OF DAY | | END OF DAY | | START OF AFTERNOON | | END OF AFTERNOON | |
|----------------------|--|--------------|--|------------|--|--------------------|--|------------------|--|
| STAND | | | | | | | | | |
| LINE | | | | | | | | | |
| X-OFFSET | | | | | | | | | |
| OTHER | | | | | | | | | |
| DRI | | | | | | | | | |
| COL | | | | | | | | | |
| DRI | | | | | | | | | |
| COL | | | | | | | | | |
| REA | | | | | | | | | |
| STA | | | | | | | | | |
| JAR | | | | | | | | | |
| BUMP | | | | | | | | | |
| REF | | | | | | | | | |
| TH | | | | | | | | | |
| KEY | | | | | | | | | |
| DEPTH | | | | | | | | | |
| TOUR | | | | | | | | | |
| DEF | | | | | | | | | |
| DEPTH | | | | | | | | | |
| FOOT | | | | | | | | | |
| DAY | | | | | | | | | |
| PUMP | | | | | | | | | |
| ROTARY | | | | | | | | | |
| WEIGHT | | | | | | | | | |
| MUD | | | | | | | | | |
| VIS | | | | | | | | | |
| WE | | | | | | | | | |
| BH | | | | | | | | | |
| MUD | | | | | | | | | |
| IN | | | | | | | | | |
| TASKS | | | | | | | | | |
| CORE | | | | | | | | | |
| TYPE | | | | | | | | | |
| FROM | | | | | | | | | |
| TO | | | | | | | | | |
| REASON | | | | | | | | | |
| HOURS | | | | | | | | | |
| SIGNATURE | | | | | | | | | |
| DATE | | | | | | | | | |
| DEPT | | | | | | | | | |
| FIELD | | | | | | | | | |
| HELD | | | | | | | | | |
| HELD | | | | | | | | | |
| HELD | | | | | | | | | |
| HELD | | | | | | | | | |
| HELD | | | | | | | | | |
| HELD | | | | | | | | | |
| HELD | | | | | | | | | |

R. B. ...
Rig # 4
Bill ...
R. ...

Ran ...
content
Test ...
Cement
cold set
Travel

TOUR REPORT

FIELD: _____ WELL NAME: _____ OPERATOR: _____ DATE: *Dec 28* 1972

Ch...
 ALL OPERATIONALS

| DRILLING ASSEMBLY | END OF MORNING TOUR | | END OF DAYLIGHT TOUR | | END OF AFTERNOON TOUR | |
|-----------------------|---------------------|----|----------------------|----|-----------------------|----|
| | FEET | NO | FEET | NO | FEET | NO |
| STANDS | | | | | | |
| SINGLE | | | | | | |
| X-OVER JOBS | | | | | | |
| OTHER | | | | | | |
| DRILL COLLARS | | | | | | |
| UPPER COLLARS | | | | | | |
| BEAMER | | | | | | |
| STABILIZER | | | | | | |
| JARS | | | | | | |
| BUMPER TOOL | | | | | | |
| BIT OR CORE BARREL | | | | | | |
| TOTAL D.P. & TOOLS | | | | | | |
| KELLY DOWN-BELOW R.B. | | | | | | |
| DEPTH OF TOOLS | | | | | | |

TOOK _____

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | 12:00 AM | 1:00 AM | 2:00 AM | 3:00 AM | 4:00 AM | 5:00 AM | 6:00 AM | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM |
|---------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| PUMP | | | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | | | |

Roberts
Rig # 4
Operator
Helper

2:00
Finish
Dup
Ripped

| MUD LEVEL IN TANKS | | NO. | | FEET | |
|--------------------|--|-----|--|------|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | | | |
| DERRICKMAN | | | |
| HELPER | | | |
| HELPER | | | |
| HELPER | | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

TOUR REPORT

CENTRAL OIL

BRIN

FIELD: WELL NAME: DEEPENING: MEETING: DATE: TIME: W: **Dec 27 1972**

Ch...
M. J. CHEMICAL

| DRIILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | | |
|--------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|--------|----|----|----|
| | STANDS | NO | FT | NO | STANDS | NO | FT | NO | FT | STANDS | NO | FT | NO |
| SINGLE | NO | | | | NO | | | NO | | NO | | | NO |
| X-OVER SUB | | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | | |
| DRILL COLLARS | NO | | | | NO | | | NO | | NO | | | NO |
| DRILL COLLARS | NO | | | | NO | | | NO | | NO | | | NO |
| BEAMER | NO | | | | NO | | | NO | | NO | | | NO |
| STABILIZER | NO | | | | NO | | | NO | | NO | | | NO |
| JAR | | | | | | | | | | | | | |
| BUMPER SUB | | | | | | | | | | | | | |
| BIT OR CORE PAPER | | | | | | | | | | | | | |
| TOTAL D.P. & LOGS | | | | | | | | | | | | | |
| KELLY DOWN BELOW | | | | | | | | | | | | | |
| DEPTH OF LOGS | | | | | | | | | | | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE DRILLED | | | |

| DAY WORK | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|---------------------|--------------|----|---------------|----|----------------|----|
| | AM | PM | AM | PM | AM | PM |
| PUMP | | | | | | |
| ROTARY SPEED (RPM) | | | | | | |
| WEIGHT ON BIT (LBS) | | | | | | |
| MUD WEIGHT (PPG) | | | | | | |
| VISCOSITY (CP) | | | | | | |
| W.L.F.C. | | | | | | |

| pH | | | |
|--------------------|------|-------|----------|
| MUD LEVEL IN TANKS | | | |
| NO. | SIZE | SEVER | RECOVERY |
| | | | |
| | | | |

| CORE NO. | NO. | DEPTH | RECOVERY |
|----------|-----|-------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | | | |
| DERRICKMAN | | | |
| HELPER | | | |
| HELPER | | | |
| HELPER | | | |
| PIPEMAN | | | |
| TOOL NUMBER | | | |

*Robert
Ry...
1 pm
2:00
3:00
4:00
4:30 pm

Boyer
M...*

TOUR REPORT

FIELD NO. _____ DATE _____ TIME _____

DEPT. _____

DATE OF REPORT *Dec 26* 1972

Ch

| DRILLING ELEMENT | END OF MORNING TOUR | | | | END OF DAY (EVE) TOUR | | | | END OF AFTERNOON TOUR | | | |
|---------------------|---------------------|-----|-----|------|-----------------------|-----|-----|------|-----------------------|-----|-----|------|
| | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH |
| STANDARD | | | | | | | | | | | | |
| ANGLE | | | | | | | | | | | | |
| X OVER BAR | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| REAMER | | | | | | | | | | | | |
| STARTER | | | | | | | | | | | | |
| JAR | | | | | | | | | | | | |
| BUMPER BAR | | | | | | | | | | | | |
| BIT CORE BARREL | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |
| KELLY DOWN BLOW BAR | | | | | | | | | | | | |
| DEPTH OF TOUR | | | | | | | | | | | | |

| TOUR | MORNING TOUR | | | | DAY (EVE) TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|-----|-----|------|----------------|-----|-----|------|----------------|-----|-----|------|
| | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH |
| DEPTH END OF TOUR | | | | | | | | | | | | |
| DEPTH START OF TOUR | | | | | | | | | | | | |
| FOOTAGE DRILLED | | | | | | | | | | | | |

| DAY WORK | MORNING TOUR | | | | DAY (EVE) TOUR | | | | AFTERNOON TOUR | | | |
|----------------------|--------------|------|------|------|----------------|------|------|------|----------------|------|------|------|
| | 12 AM | 1 AM | 2 AM | 3 AM | 12 AM | 1 AM | 2 AM | 3 AM | 12 AM | 1 AM | 2 AM | 3 AM |
| PUMP | | | | | | | | | | | | |
| ROTIARY SPEED (RPM) | | | | | | | | | | | | |
| WEIGHT ON BIT (LBS) | | | | | | | | | | | | |
| MUD WEIGHT (LBS/GAL) | | | | | | | | | | | | |
| VISCOSITY (CP) | | | | | | | | | | | | |
| W.L.P. | | | | | | | | | | | | |

| MUD LEVEL IN TANKS | MORNING TOUR | | | | DAY (EVE) TOUR | | | | AFTERNOON TOUR | | | |
|--------------------|--------------|-----|-----|------|----------------|-----|-----|------|----------------|-----|-----|------|
| | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH |
| | | | | | | | | | | | | |

| CORE TYPE | MORNING TOUR | | | | DAY (EVE) TOUR | | | | AFTERNOON TOUR | | | |
|-----------|--------------|-----|-----|------|----------------|-----|-----|------|----------------|-----|-----|------|
| | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH | FEET | MIN | SEC | INCH |
| FROM | | | | | | | | | | | | |
| TO | | | | | | | | | | | | |
| RANGE | | | | | | | | | | | | |
| HOURS | | | | | | | | | | | | |

SIGNATURE: _____

DRILLER: _____

DETECTIVE: _____

HELPER: _____

HELPER: _____

HELPER: _____

FOREMAN: _____

TRUCK DRIVER: _____

*Robert
Ry #4
Special
Helper*

*8:00
1:00*

TOUR REPORT

WELL NAME

AREA

FIELD NO. WELL NO. DEPTH NO. DATE *Dec 25* 1972

NO. OF CHEMICALS

| DRIFFING EQUIPMENT | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|-----------------------|---------------------|---------------|---------------|--------|----------------------|------|------------|--------------------|-----------------------|-----------------------|----------------|------|
| | STANDS | DRILL COLLARS | DRILL COLLARS | BEAMER | STABILIZER | JARS | BUMPER SUB | BIT OR CORE BARREL | TOTAL D.P. & TOOLS | KELLY DOWN BELOW R.B. | DEPTH OF TOOLS | TOOL |
| STANDS | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO |
| SINGLE | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO |
| X OVER SUB | FT | | FT | | FT | | FT | | FT | | FT | |
| OTHER | FT | | FT | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | FT | | FT | | FT | | FT | | FT | | FT | |
| DRILL COLLARS | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO |
| BEAMER | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND |
| STABILIZER | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND |
| JARS | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND | FT | KIND |
| BUMPER SUB | FT | | FT | | FT | | FT | | FT | | FT | |
| BIT OR CORE BARREL | FT | | FT | | FT | | FT | | FT | | FT | |
| TOTAL D.P. & TOOLS | FT | | FT | | FT | | FT | | FT | | FT | |
| KELLY DOWN BELOW R.B. | FT | | FT | | FT | | FT | | FT | | FT | |
| DEPTH OF TOOLS | FT | | FT | | FT | | FT | | FT | | FT | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|-------------------|---------------------|-----------------|--|
| | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | | DEPTH END OF TOUR | DEPTH START OF TOUR | FOOTAGE DRILLED | |
| DEPTH END OF TOUR | FT | FT | FT | | FT | FT | FT | | FT | FT | FT | |
| DEPTH START OF TOUR | FT | FT | FT | | FT | FT | FT | | FT | FT | FT | |
| FOOTAGE DRILLED | FT | FT | FT | | FT | FT | FT | | FT | FT | FT | |

| DAY WORK | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|---------------|---------|---------|---------|----------|----------|----------|---------|---------|-----------|---------|---------|---------|
| | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM |
| PUMP | PSI | | | | | | | | | | | |
| ROTARY SPEED | R.P.M. | | | | | | | | | | | |
| WEIGHT ON BIT | LB | | | | | | | | | | | |
| MUD WEIGHT | LB/GAL | | | | | | | | | | | |
| VISCOSITY | SEC/CM | | | | | | | | | | | |
| W.L.F.C. | SEC/CM | | | | | | | | | | | |

| pH | MORNING | | | | DAYLIGHT | | | | AFTERNOON | | | |
|--------------------|--------------------|--|--|--|--------------------|--|--|--|--------------------|--|--|--|
| | MUD LEVEL IN TANKS | | | | MUD LEVEL IN TANKS | | | | MUD LEVEL IN TANKS | | | |
| MUD LEVEL IN TANKS | FT | | | | FT | | | | FT | | | |

| NO. | SIZE | SERIAL | BIT WEIGHTS | | | |
|-----|------|--------|-------------|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| | | | | | | |

| CORE | NO. | NO. | DATE | |
|----------|-----|-----|----------|------|
| | | | TIME | TIME |
| TYPE | | | PRELIM | |
| FROM | | | | |
| TO | | | | |
| RECOVERY | | | | |
| HOURS | | | RECOVERY | |

| SIGNATURES | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|-------------|--------------|------------|--------|--------|---------------|------------|--------|--------|----------------|------------|--------|--------|
| | DRILLER | DERRICKMAN | HELPER | HELPER | DRILLER | DERRICKMAN | HELPER | HELPER | DRILLER | DERRICKMAN | HELPER | HELPER |
| DRILLER | | | | | | | | | | | | |
| DERRICKMAN | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| HELPER | | | | | | | | | | | | |
| FIREMAN | | | | | | | | | | | | |
| TOOL PULLER | | | | | | | | | | | | |

*Robert
R. G. 254
Operator
Helper

Drive
to PM*

TOUR REPORT

CONTRACTOR

WELL NO.

FIELD: _____ WELL NAME: _____ CONTRACTOR: _____ WELLS: _____ W: _____
 [DRILLING] [DEEPENING] [COMPLETION]
 [RE-DRILLING] [ABANDONMENT] [REWORKING] [RE-DRILLING AND DEEPENING] [RE-DRILLING]

Dec 24 1972

M.D. CHEMICAL

| DRILLING ASSEMBLY | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|--------------------|---------------------|-------|--|--|----------------------|-------|--|--|-----------------------|-------|--|--|
| STANDS | FT | NO | | | FT | NO | | | FT | NO | | |
| SINGLE | FT | NO | | | FT | NO | | | FT | NO | | |
| X-OVER SUB | FT | | | | FT | | | | FT | | | |
| OTHER | FT | | | | FT | | | | FT | | | |
| DRILL COLLARS | FT | | | | FT | | | | FT | | | |
| DRILL COLLARS | FT | NO | | | FT | NO | | | FT | NO | | |
| REAMER | FT | FOUND | | | FT | FOUND | | | FT | FOUND | | |
| STABILIZER | FT | FOUND | | | FT | FOUND | | | FT | FOUND | | |
| WARS | FT | FOUND | | | FT | FOUND | | | FT | FOUND | | |
| BUMPERSUB | FT | FOUND | | | FT | FOUND | | | FT | FOUND | | |
| BIT OR CORE BARREL | FT | | | | FT | | | | FT | | | |
| TOTAL DIP & TOOLS | FT | | | | FT | | | | FT | | | |
| KELLY DOWN BELOW | FT | | | | FT | | | | FT | | | |
| DEPTH OF TOOLS | FT | | | | FT | | | | FT | | | |

| TOUR | MORNING TOUR | | | | DAYLIGHT TOUR | | | | AFTERNOON TOUR | | | |
|---------------------|--------------|--|--|--|---------------|--|--|--|----------------|--|--|--|
| DEPTH END OF TOUR | FT | | | | FT | | | | FT | | | |
| DEPTH START OF TOUR | FT | | | | FT | | | | FT | | | |
| FOOTAGE DRILLED | FT | | | | FT | | | | FT | | | |

| DAY WORK | 7:00 AM | 8:00 AM | 9:00 AM | 10:00 AM | 11:00 AM | 12:00 PM | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM |
|---------------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|
| PUMP | | | | | | | | | | | |
| ROTARY SPEED | | | | | | | | | | | |
| WEIGHT ON BIT | | | | | | | | | | | |
| MUD WEIGHT | | | | | | | | | | | |
| VISCOSITY | | | | | | | | | | | |
| W.L.F.C. | | | | | | | | | | | |

pH _____
 MUD LEVEL IN TANKS _____

| NO. | SIZE | SEAL | REMARKS |
|-----|------|------|---------|
| | | | |
| | | | |

CORE NO. _____
 TYPE _____
 FROM _____
 TO _____
 Recovery _____
 HOURS _____

| SIGNATURES | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|-------------|--------------|---------------|----------------|
| DRILLER | | | |
| DERRICKMAN | | | |
| HELPER | | | |
| HELPER | | | |
| HELPER | | | |
| FIREMAN | | | |
| TOOL PUSHER | | | |

*Robert
 Rig # 4
 Operator
 Helper*

Cherron White Lick Well site #2

| 1972 | CHEMICALS ADDED | | From | To | OTHER HOURLY OPERATING DETAIL WORK DONE |
|------|-----------------|--------|------|----|--|
| | Name | Amount | | | |
| 10 | 10:00 | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |

Roberts Ranch Drilling Ltd
 Rig # 4
 Operator Bill Moser
 Helper A Moser

-55°F

7⁰⁰ am - 8⁰⁰ am Rpt rig
 8⁰⁰ am - 10³⁰ am Digging 30' conductor hole
 Rig table broke - drove rig into Parkin

Handwritten signature

TOUR REPORT

FIELD NO. _____ DEPARTMENT _____ DATE *Dec 21* 197*2*

| DESCRIPTION | START TIME | END TIME | START TIME | END TIME | START TIME | END TIME |
|-------------|------------|----------|------------|----------|------------|----------|
| STANDARD | | | | | | |
| OVERHEAD | | | | | | |
| OTHER | | | | | | |
| DHILL | | | | | | |
| COLLAR | | | | | | |
| DHILL | | | | | | |
| COLLAR | | | | | | |
| REAMER | | | | | | |
| STAND | | | | | | |
| JAR | | | | | | |
| BUFFER | | | | | | |
| BL. (BOTH) | | | | | | |
| TOTAL | | | | | | |
| LEVEL DOWN | | | | | | |
| DEPTH | | | | | | |

| TOUR | MORNING TOUR | DAY TOUR | AFTERNOON TOUR |
|---------------|--------------|----------|----------------|
| DEPTH | | | |
| START OF TOUR | | | |
| END OF TOUR | | | |

| DAY WORK | AM | PM | AM | PM | AM | PM |
|------------|----|----|----|----|----|----|
| PUMP | | | | | | |
| ROTARY | | | | | | |
| WEIGHT | | | | | | |
| MUD WEIGHT | | | | | | |
| VISCO | | | | | | |
| WATER | | | | | | |

| FT | MUD LEVEL | IN TANKS |
|----|-----------|----------|
| | | |
| | | |
| | | |

| CORE | NO. | TYPE | FROM | TO | REMARKS | HOURS |
|------|-----|------|------|----|---------|-------|
| | | | | | | |
| | | | | | | |

| NO. | NO. | NO. | NO. | NO. | NO. | NO. |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

*190 lbs
Rig
Open
Hole*

TOUR REPORT

11. Eagle Plains

Dec 21 1972

| DEPTH (FEET) | TEMPERATURE (°C) | TEMPERATURE (°F) | WIND DIRECTION | WIND SPEED (MPH) | WIND SPEED (KPH) | WIND SPEED (MPS) | WIND SPEED (KNOTS) | WIND SPEED (MILES PER HOUR) |
|--------------|------------------|------------------|----------------|------------------|------------------|------------------|--------------------|-----------------------------|
| 0 | | | | | | | | |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |

| DEPTH (FEET) | TEMPERATURE (°C) | TEMPERATURE (°F) | WIND DIRECTION | WIND SPEED (MPH) | WIND SPEED (KPH) | WIND SPEED (MPS) | WIND SPEED (KNOTS) | WIND SPEED (MILES PER HOUR) |
|--------------|------------------|------------------|----------------|------------------|------------------|------------------|--------------------|-----------------------------|
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |
| 200 | | | | | | | | |

| DEPTH (FEET) | TEMPERATURE (°C) | TEMPERATURE (°F) | WIND DIRECTION | WIND SPEED (MPH) | WIND SPEED (KPH) | WIND SPEED (MPS) | WIND SPEED (KNOTS) | WIND SPEED (MILES PER HOUR) |
|--------------|------------------|------------------|----------------|------------------|------------------|------------------|--------------------|-----------------------------|
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | | | | | |
| 250 | | | | | | | | |
| 260 | | | | | | | | |
| 270 | | | | | | | | |
| 280 | | | | | | | | |
| 290 | | | | | | | | |
| 300 | | | | | | | | |

Robert
Operator
Helper
7:50

TOUR REPORT

FIELD: _____ DEPTH: _____ CONTRACT NO: _____ DATE: **Dec 19** 1972
 [] DRILLING [] DEPTH LOG [] CORE LOG [] REWORKING [] REWORKING [] REWORKING [] REWORKING [] REWORKING [] REWORKING
 TO BEDDING ABANDONED REWORKING

| DRILLING METHOD | END OF MORNING TOUR | | | | END OF DAYLIGHT TOUR | | | | END OF AFTERNOON TOUR | | | |
|--------------------|---------------------|----|----|----|----------------------|----|----|----|-----------------------|----|----|----|
| | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO | FT | NO |
| SINGLE | | | | | | | | | | | | |
| X OVER SUB | | | | | | | | | | | | |
| OTHER | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| DRILL COLLARS | | | | | | | | | | | | |
| REAMED | | | | | | | | | | | | |
| STABILIZED | | | | | | | | | | | | |
| JABS | | | | | | | | | | | | |
| BUMPER LOG | | | | | | | | | | | | |
| BETTER CORE SAMPLE | | | | | | | | | | | | |
| TOTAL DR. & LOG | | | | | | | | | | | | |
| FEET DOWN BELOW | | | | | | | | | | | | |
| DEPTH LOGS | | | | | | | | | | | | |

| TOUR | MORNING TOUR | DAYLIGHT TOUR | AFTERNOON TOUR |
|---------------------|--------------|---------------|----------------|
| DEPTH END OF TOUR | | | |
| DEPTH START OF TOUR | | | |
| FOOTAGE LOGS | | | |

| DAY WORK | MORNING | | DAYLIGHT | | AFTERNOON | |
|---------------|---------|----|----------|----|-----------|----|
| | AM | PM | AM | PM | AM | PM |
| PUMP | | | | | | |
| ROTARY SPEED | | | | | | |
| WEIGHT ON BIT | | | | | | |
| MUD WEIGHT | | | | | | |
| VISCOSITY | | | | | | |
| WEIGHT | | | | | | |

| MUD LEVEL IN TANKS | |
|--------------------|------|
| NO. | SEAL |
| | |
| | |
| | |
| | |

| CORE | NO. | NO. | NO. | NO. | NO. | NO. |
|---------|-----|-----|-----|-----|-----|-----|
| TYPE | | | | | | |
| FROM | | | | | | |
| TO | | | | | | |
| REMARKS | | | | | | |
| HOURS | | | | | | |

| SIGNATURE | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|-------------|--------------|----|---------------|----|----------------|----|
| | FT | NO | FT | NO | FT | NO |
| DRILLER | | | | | | |
| DRILLER LOG | | | | | | |
| RECORD | | | | | | |
| RECORD | | | | | | |
| RECORD | | | | | | |
| RECORD | | | | | | |
| RECORD | | | | | | |
| RECORD | | | | | | |
| RECORD | | | | | | |

Che
 CHEMICAL

Robert
 Sprague
 Helper
 7 Jan
 1972

8:00

TOUR REPORT

CONTRACT NO. *6 P* DATE *15*

WELL NAME _____ DEPTH TO _____ NO. _____
 DEPTH TO _____ DEPTH TO _____ DEPTH TO _____
 DEPTH TO _____ DEPTH TO _____ DEPTH TO _____

Dec 17 1972

| ITEM | UNIT | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|----------------------|------|--------------|-----|---------------|-----|----------------|-----|
| | | START | END | START | END | START | END |
| STANDS | NO | | | | | | |
| ANGLE | NO | | | | | | |
| COVER SHEET | NO | | | | | | |
| OTHER | NO | | | | | | |
| DRILL COLLARS | NO | | | | | | |
| DRILL COLLARS | NO | | | | | | |
| BEAMER | NO | | | | | | |
| STABILIZER | NO | | | | | | |
| JAR | NO | | | | | | |
| BURMECH | NO | | | | | | |
| BEFORE USE | NO | | | | | | |
| TOTAL DRILL TOOLS | | | | | | | |
| KEY DOWN BELOW | | | | | | | |
| DEPTH OF TOOTH | | | | | | | |
| TOOTH | | | | | | | |
| DEPTH END OF TOOTH | | | | | | | |
| DEPTH START OF TOOTH | | | | | | | |
| FOOTAGE DRILLED | | | | | | | |

| DAY WORK | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|---------------|--------------|-----|---------------|-----|----------------|-----|
| | START | END | START | END | START | END |
| PUMP | | | | | | |
| ROTARY SPEED | | | | | | |
| WEIGHT ON BIT | | | | | | |
| MUD WEIGHT | | | | | | |
| VISCOSITY | | | | | | |
| W. F. C. | | | | | | |

| MUD LEVEL IN TANKS | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|--------------------|--------------|-----|---------------|-----|----------------|-----|
| | START | END | START | END | START | END |
| NO. 1 | | | | | | |
| NO. 2 | | | | | | |
| NO. 3 | | | | | | |
| NO. 4 | | | | | | |

| CORE | NO. | TYPE | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|---------|-----|------|--------------|-----|---------------|-----|----------------|-----|
| | | | START | END | START | END | START | END |
| FROM | | | | | | | | |
| TO | | | | | | | | |
| REMARKS | | | | | | | | |
| HOURS | | | | | | | | |

| SIGNATURE | MORNING TOUR | | DAYLIGHT TOUR | | AFTERNOON TOUR | |
|-----------|--------------|-----|---------------|-----|----------------|-----|
| | START | END | START | END | START | END |
| DRILLER | | | | | | |
| DRILL MAN | | | | | | |
| HOISTER | | | | | | |
| REELER | | | | | | |
| TRIPMAN | | | | | | |
| TURBO MAN | | | | | | |

*11-6
Operator
Helped
8:30
7:00*

Chevron Whitefish Well 172 #2

OTHER HOURLY OPERATING DETAIL
WORK DONE

| MUD and CHEMICALS ADDED | | From | To |
|-------------------------|--------|------|----|
| Kind | Amount | | |
| TOUR 1 | | | |
| FT | | | |
| FE | | | |
| FT | | | |
| FE | | | |
| FT | | | |
| FE | | | |
| TOUR 2 | | | |
| FT | | | |
| FE | | | |
| FT | | | |
| FE | | | |
| TOUR 3 | | | |
| FT | | | |
| FE | | | |
| FT | | | |
| FE | | | |

Roberts Rat Hole Drilling Ltd Rig #4
 Operator: M. Tober
 Helper: F. Thomas

8⁰⁰ am - 6⁰⁰ pm: Moved rig from Chevron Cult Ridge
 To Whitefish location and rigged up

[Handwritten signature]