

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

TOUR MIDNIGHT TO 8 AM TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Fr.	Fl. up on Kelly
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No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
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M.U.D.	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Oil Change
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WEIGHT					No. 1	PREL. WGT.					No. 2	PREL. WGT.					1 2428	3348
VISCOSITY					MODEL	W.W.					MODEL	W.W.					2 2428	3300
GEL					MODEL	W.W.					MODEL	W.W.					3 3060	3287

W.L.	FC	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees	4 1724	398	5 4115	3958	Weather	Water	Temp.	Bbls.
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Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool
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From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Fr.	Fl. up on Kelly
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No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
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M.U.D.	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Oil Change
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WEIGHT					No. 1	PREL. WGT.					No. 2	PREL. WGT.					1 12436	1398
VISCOSITY					MODEL	W.W.					MODEL	W.W.					2 12436	13300
GEL					MODEL	W.W.					MODEL	W.W.					3 3020	3287

W.L.	FC	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees	4 1724	1378	5 4123	3958	Weather	Water	Temp.	Bbls.
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Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool
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From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Fr.	Fl. up on Kelly
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No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
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M.U.D.	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Oil Change
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WEIGHT					No. 1	PREL. WGT.					No. 2	PREL. WGT.					1 12446	13349
VISCOSITY					MODEL	W.W.					MODEL	W.W.					2 12446	12300
GEL					MODEL	W.W.					MODEL	W.W.					3 3028	3287

W.L.	FC	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees	4 2724	1378	5 4123	3958	Weather	Water	Temp.	Bbls.
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Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. Left on Spool
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B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Injection Date	Crown & Mat. Chk'd	Fuel on Hand 12:01 a.m.	7.73 gals.	CASING REPORT	RAN	IS	CSG	VENTA
Hydrant					Rig Savers Chk'd	Fuel Rev'd Today (add)		TOTAL	10	AB. USED	SAY	CEM
Pipe Rams					Key Cams Chk'd	Fuel on Hand 5:52 p.m. (subtract)	6.77	FUEL USED	56.4	PLUS	PLUG DOWN	A.M. P.M.
Blind Rams					Fire Equip. Chk'd			CEMENT RETURNS	YES	NO	EQUIPMENT CHANGES	DAYS FROM

CONSERVATION BOARD COPY

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

April 15 *Chenoweth* *10 miles N W of ...*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Fl. up on Kelly									
2409					26																			
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B	G.						
MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	2 mn	2 am	4 am	6 am	MOTOR HOURS	Next O.D. Range								
WEIGHT					No. 1					No. 2					1 12404	13348								
VISCOSITY					MODEL					MODEL					2 12404	13300								
GEL															3 3004	3297								
W L	9.9	FC 2/3	pH 9.1	DESILTER	Hours Op	U Flow	O Flow								4 1708	1379								
ADDITIVES:	P														GENERAL:									
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	Temp	Date	Next Trip	Next Stop	Fl. up on Kelly											
1 1/2	WRIGHT	7-1135	8			10723	65	65	10-25-1-70	10723														

Well 2
224
1379
13348
13300
3297
1379
1378
1378

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Fl. up on Kelly								
					9																		
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B	G.					
MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	5 am	10 am	12 noon	2 pm	MOTOR HOURS	Next O.D. Range							
WEIGHT					No. 1					No. 2					1 12412	13348							
VISCOSITY					MODEL					MODEL					2 12412	1300							
GEL															3 3004	3297							
W L	FC	pH	DESILTER	Hours Op	U Flow	O Flow									4 1714	1378							
ADDITIVES:	P														GENERAL:								
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	Temp	Date	Next Trip	Next Stop	Fl. up on Kelly										
1 1/2	WRIGHT	7-1135	8			10723	65	65	10-25-1-70	10723													

Well 2
1378
1378
1378
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1378
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1378

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Fl. up on Kelly								
					9																		
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B	G.					
MUD	4 am	6 am	8 pm	10 pm	PUMP	4 am	6 am	8 pm	10 pm	PUMP	4 am	6 am	8 pm	10 pm	MOTOR HOURS	Next O.D. Range							
WEIGHT					No. 1					No. 2					1 12420	13348							
VISCOSITY					MODEL					MODEL					2 12420	13360							
GEL															3 3008	3271							
W L	FC	pH	DESILTER	Hours Op	U Flow	O Flow									4 1728	1376							
ADDITIVES:	P														GENERAL:								
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	Temp	Date	Next Trip	Next Stop	Fl. up on Kelly										
1 1/2	WRIGHT	7-1135	8			10723	65	65	10-25-1-70	10723													

Well 2
1376
1376
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1376

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Fl. up on Kelly								
					9																		
B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B	G.					
MUD	4 am	6 am	8 pm	10 pm	PUMP	4 am	6 am	8 pm	10 pm	PUMP	4 am	6 am	8 pm	10 pm	MOTOR HOURS	Next O.D. Range							
WEIGHT					No. 1					No. 2					1 12420	13348							
VISCOSITY					MODEL					MODEL					2 12420	13360							
GEL															3 3008	3271							
W L	FC	pH	DESILTER	Hours Op	U Flow	O Flow									4 1728	1376							
ADDITIVES:	P														GENERAL:								
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	Temp	Date	Next Trip	Next Stop	Fl. up on Kelly										
1 1/2	WRIGHT	7-1135	8			10723	65	65	10-25-1-70	10723													

Well 2
1376
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1376

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & Matrix Chk'd	Fuel on Hand 12:01 am	5276	CASING REPORT	RAN	TS	CSG	HEAVY
Hvdril					Rig Savers Chk'd	Fuel Rec'd Today	add:					
P or Rams					Key Chk'd	TOTAL						
Blind Rams					Fire Equip Chk'd	Fuel on Hand 5:58 pm	7143	PLUS				
TOTCO RING ON E.T. =	Boiler Operated	Hrs				FUEL USED	133	CEMENT RETURNS	YES/NO			

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

15 LOCATION: *He...*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B.	Up on Kelly
3109				7600	32	2									409

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS
WEIGHT			7.3		No. 1					No. 2					1 12390 13215
VISCOSITY			42	12	MODEL					MODEL					2 12390 13300
GEL					LINEAR					LINEAR					3 3004 3287
W.L.	FC	7/32	pH	9.5	DESILTER: Hours Op.					DESILTER: Hours Op.					4 1694 1378
ADDITIVES:					GENERAL:					GENERAL:					5 4067 3258

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Next Spool	FIRES
1/8 WRIGHT	10-1135			8		10723	65	65	10235	8-17-72	10138	43	

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B.	Up on Kelly
3109				7600	32	2									409

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS
WEIGHT					No. 1					No. 2					1 12384 13348
VISCOSITY					MODEL					MODEL					2 12384 13300
GEL					LINEAR					LINEAR					3 3004 3287
W.L.	FC		pH		DESILTER: Hours Op.					DESILTER: Hours Op.					4 1692 378
ADDITIVES:					GENERAL:					GENERAL:					5 4075 3254

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Next Spool	FIRES
1/8 WRIGHT	10-1135			8		10723	65	65	10235	8-17-72	10138	43	

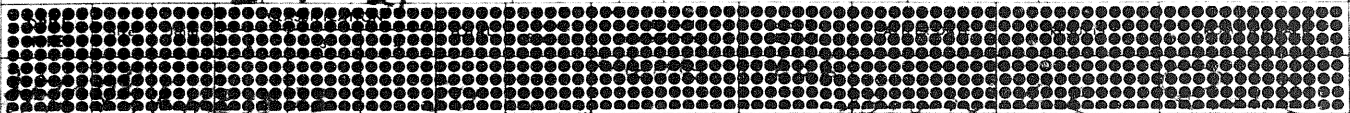
From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B.	Up on Kelly
3109				7600	32	2									409

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS
WEIGHT					No. 1					No. 2					1 12396 13348
VISCOSITY					MODEL					MODEL					2 12396 13300
GEL					LINEAR					LINEAR					3 3002 3287
W.L.	FC		pH		DESILTER: Hours Op.					DESILTER: Hours Op.					4 1700 1378
ADDITIVES:					GENERAL:					GENERAL:					5 4083 3258

1 man work over help with Boilers

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Next Spool	FIRES
1/8 WRIGHT	10-1135			8		10723	65	65	10235	8-17-72	10138	43	

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & motor Chkd	Fuel on Hand 12.01 am	CASING REPORT	RAN	TS	CSG	HEI
Hydri	OK				Rig Savers Chkd	16.24 gal					
Pipe Rams					Kelly Cock Chkd	TOTAL					
Blind Rams					Fire Equip. Chkd	5.76 gal					
TOTCO RING ON BIT	2	Boiler	24	Hrs	FUEL USED						



GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

Well No. 15 Location: *He...*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B.	Up on Kelly
3109				7600	32	2									409

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS
WEIGHT			7.3		No. 1					No. 2					1 12390 13215
VISCOSITY			42	12	MODEL					MODEL					2 12390 13300
GEL					LINEAR					LINEAR					3 3004 3287
W.L.	FC	7/32	pH	9.5	DESILTER: Hours Op.					U. Flow					4 1694 1378
ADDITIVES:					GENERAL:										5 4067 3258

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Next Spool	FIRES
1/8 WRIGHT	10-1135			8		10723	65	65	10235	8-17-72	10138	43	

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B.	Up on Kelly
3109				7600	32	2									409

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS
WEIGHT					No. 1					No. 2					1 12384 13348
VISCOSITY					MODEL					MODEL					2 12384 13300
GEL					LINEAR					LINEAR					3 3004 3287
W.L.	FC		pH		DESILTER: Hours Op.					U. Flow					4 1692 378
ADDITIVES:					GENERAL:										5 4075 3254

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Next Spool	FIRES
1/8 WRIGHT	10-1135			8		10723	65	65	10235	8-17-72	10138	43	

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B.	Up on Kelly
3109				7600	32	2									409

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS
WEIGHT					No. 1					No. 2					1 12396 13348
VISCOSITY					MODEL					MODEL					2 12396 13300
GEL					LINEAR					LINEAR					3 3002 3287
W.L.	FC		pH		DESILTER: Hours Op.					U. Flow					4 1700 1378
ADDITIVES:					GENERAL:										5 4083 3258

1 man work over help with Boilers

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Next Spool	FIRES
1/8 WRIGHT	10-1135			8		10723	65	65	10235	8-17-72	10138	43	

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & motor Chkd	Fuel on Hand 12.01 am	CASING REPORT	RAN	TS	CSG	HEI
Hydri	OK				Rig Savers Chkd	Fuel Rec'd Today (Total)	TOTAL	10	KB USED	SAX	CEM
Pipe Rams					Kelly Cock Chkd	Fuel on Hand 11:59 p.m. (Total)	PLUS				
Blind Rams					Fire Equip. Chkd	FUEL USED					

TOTCO RING ON BIT	Boiler	Hrs.	FIRE EQUIPMENT	CEMENT RETURNS	YES/NO	EQUIPMENT CHANGE
2	24					

CONSERVATION BOARD COPY

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

15 LOCATION: *CH...*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
309				1100	2										

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Oil Change
WEIGHT															1/2356-12887	
VISCOSITY															2/2356-13300	
GEL															3/3004-3287	
W.L.	F.C.		pH		DESILTER	Hours Op.		U. Flow		O. Flow					4/1660-1378	
ADDITIVES: GENERAL: <i>Check B.P. rotation. Shut off before testing.</i>																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Let on Spool
1/3 W.P. 10-1135	18			1	8	10636	10636	65	10230	10/23/58	10/23/58	1130

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 am	10 am	12 noon	2 am	PUMP	8 am	10 am	12 noon	2 am	PUMP	8 am	10 am	12 noon	2 am	MOTOR HOURS	Next Oil Change
WEIGHT															1/2364-13344	
VISCOSITY															2/2364-13300	
GEL															3/3004-3287	
W.L.	F.C.		pH		DESILTER	Hours Op.		U. Flow		O. Flow					4/1668-1378	
ADDITIVES: GENERAL: <i>10/21/58</i>																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Let on Spool
1/3 W.P. 10-1135	18			1	8	110723	110723	65	10230	10/23/58	10/23/58	1130

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 am	6 am	8 am	10 am	PUMP	4 am	6 am	8 am	10 am	PUMP	4 am	6 am	8 am	10 am	MOTOR HOURS	Next Oil Change
WEIGHT															1/2372-13398	
VISCOSITY															2/2372-12300	
GEL															3/3012-3287	
W.L.	F.C.		pH		DESILTER	Hours Op.		U. Flow		O. Flow					4/1676-1378	
ADDITIVES: GENERAL: <i>3090-1</i>																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Let on Spool
1/3 W.P. 10-1135	18			1	8	11703	11703	65	10230	10/23/58	10/23/58	1130

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown or Motor Chkd	Fuel on Hand 12:01 a.m.	Fuel Res. d. Today (total)	TOTAL	Fuel on Hand 5:00 p.m. (total)	FUEL USED	CASING REPORT	RAN	ITS	CSG	F.E.
						2310									

TOTCO RING ON BIT	Boiler Operated	Hrs	Fire-Fault Chkd	FUEL USED	CEMENT RETURNS	YES	NO
2		34					

CONSERVATION BOARD COPY

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

DIRECTIONS TO WELL

WELL: *2109* LOCATION: *CHESTER*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
<i>2109</i>															

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
<i>1</i>	<i>8 1/2"</i>	<i>120</i>	<i>2-13</i>	<i>36391</i>													

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1					No. 2					1 12392	11344
VISCOSITY					MODEL					MODEL					2 12340	13300
GEL					LINER SIZE					LINER SIZE					3 3004	3287

W.L.	F.C.	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						4	1644	1328

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date Slip or Cut	Next Slip
<i>1</i>	<i>1 1/2"</i>	<i>WALSH</i>	<i>0-1135</i>	<i>5</i>			<i>10390</i>	<i>2</i>	<i>65</i>			

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1					No. 2					1 12348	12177
VISCOSITY					MODEL					MODEL					2 12346	13300
GEL					LINER SIZE					LINER SIZE					3 3004	3287

W.L.	F.C.	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						4	1652	1378

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date Slip or Cut	Next Slip
<i>1</i>	<i>1 1/2"</i>	<i>WALSH</i>	<i>0-1135</i>	<i>5</i>	<i>2</i>	<i>163</i>	<i>581</i>	<i>2</i>	<i>63</i>			

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1					No. 2					1 12356	12887
VISCOSITY					MODEL					MODEL					2 12356	13300
GEL					LINER SIZE					LINER SIZE					3 3012	3287

W.L.	F.C.	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						4	1660	1378

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date Slip or Cut	Next Slip
<i>1</i>	<i>1 1/2"</i>	<i>WALSH</i>	<i>0-1135</i>	<i>5</i>	<i>2</i>	<i>163</i>	<i>581</i>	<i>2</i>	<i>63</i>			

B.O.P.	Tested	Time	Pressure	Parking & Seat Inspected	Date	Crown or Main Chkd	Date	Rig Safety Chkd	Date	Kelly Coupler	Date	Free Equip Chkd	Date	FUEL ON HAND	FUEL USED	CEMENT RETURNS
	<i>OK</i>					<i>OK</i>		<i>OK</i>		<i>OK</i>		<i>OK</i>				

TOTCO RING ON BIT	Operator	Hrs.	FUEL ON HAND	FUEL USED	CEMENT RETURNS
<i>24</i>					

Equipment	Change

CONSERVATION BOARD COPY

LOCATION CHERRY 2 1/2" HORIZONTAL SEC 1 TWP 10 RGE 10 STATE IND
 DATE 12/21/78 HOURS 12:00 MOVES 1 ROAD CONDITIONS 1

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2				144	2 1/2	2 1/2					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
PUMP				MOTOR HOURS				Next Oil Change			
				No. 2				1	12340	12887	
								2	12340	13300	
								3	3004	3287	
								4	1644	1378	
								5	4035	3758	
U. Flow				O. Flow				SURVEYS			
								At Feet			
								Degrees			
								Weather			
								Temp.			
								Bbls			
								Next Slip			
								Left on Spool			

REMARKS			TIME		
START	STOP	NILE	START	STOP	NILE
12:00	12:15	11	12:15	12:30	11
12:30	12:45	11	12:45	1:00	11
1:00	1:15	11	1:15	1:30	11
1:30	1:45	11	1:45	2:00	11

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2				144	2 1/2	2 1/2					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
PUMP				MOTOR HOURS				Next Oil Change			
				No. 2				1	12348	12887	
								2	12348	13300	
								3	3004	3287	
								4	1652	1378	
								5	4043	3958	
U. Flow				O. Flow				SURVEYS			
								At Feet			
								Degrees			
								Weather			
								Temp.			
								Bbls			
								Next Slip			
								Left on Spool			

REMARKS			TIME		
START	STOP	NILE	START	STOP	NILE
12:00	12:15	11	12:15	12:30	11
12:30	12:45	11	12:45	1:00	11
1:00	1:15	11	1:15	1:30	11
1:30	1:45	11	1:45	2:00	11

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2				144	2 1/2	2 1/2					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
PUMP				MOTOR HOURS				Next Oil Change			
				No. 2				1	12356	12887	
								2	12356	13300	
								3	3012	3287	
								4	1660	1378	
								5	4061	3958	
U. Flow				O. Flow				SURVEYS			
								At Feet			
								Degrees			
								Weather			
								Temp.			
								Bbls			
								Next Slip			
								Left on Spool			

REMARKS			TIME		
START	STOP	NILE	START	STOP	NILE
12:00	12:15	11	12:15	12:30	11
12:30	12:45	11	12:45	1:00	11
1:00	1:15	11	1:15	1:30	11
1:30	1:45	11	1:45	2:00	11

FUEL ON HAND 12:01 a.m.				CASING REPORT				RENTAL EQUIPMENT ON HAND			
FUEL REC'D TODAY (add)				TO				EQUIPMENT CHANGES			
TOTAL				PLUS				TOTAL COMPANY TIME			
FUEL ON HAND 11:59 p.m. (subtract)				CEMENT RETURNS (YES-NO)				TOTAL CONTRACTOR'S TIME			

GP 3499

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

DIRECTIONS TO WELL

15

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly		
261	29	3090	4 1/4	11500	26	1	5 1/2	1	1 1/2	1 1/2	120	140	60	7	5		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	355	7/16	64909	38	52	452	5 1/4			1	140	60		7	5	1
5	8 3/4	5-88	7-10	343394													

M U D: 12 m, 2 a, 4 a, 6 a
 P U M P: 12 m, 2 a, 4 a, 6 a
 MOTOR HOURS: 12316, 11887, 12316, 13300, 3004, 3287, 1620, 1370, 54011, 3953

WEIGHT: 9.3, 9.3
 VISCOSITY: 43, 41
 GEL: 70, 58
 W.L: 9.8, F.C: 2 1/2, pH: 9.5
 DESILTER: Hours Op: 8, U Flow: 7.6, O Flow: 9.5
 ADDITIVES: 1500 Gel
 GENERAL: 3090 1

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet Left on Spool
1/2	1 1/2	1135	2	1	76	10351	10351	12	12	11/23	11/23	112

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly		
40	21	3109	2	11500	26	1	5 1/2	1	1 1/2	1 1/2	120	140	60	7	5		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	5-88	7/16	343394	38	50	21	3			2	1400	60				

M U D: 8 a, 10 a, 12 noon, 2 p
 P U M P: 8 a, 10 a, 12 noon, 2 p
 MOTOR HOURS: 12332, 11887, 12324, 13300, 3004, 3287, 4024, 1378, 54019, 3958

WEIGHT: 9.3, 9.3, 9.3, 9.3
 VISCOSITY: 44, 41, 51, 45
 GEL: 70, 58
 W.L: 9.0, F.C: 2 1/2, pH: 9.5
 DESILTER: Hours Op: 1, U Flow: 7.6, O Flow: 9.5
 ADDITIVES: 1500 Gel
 GENERAL: 3090 1

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet Left on Spool
1/2	1 1/2	1135	2	1	76	10351	10351	12	12	11/23	11/23	112

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly		
109	0	T.D.		11500	26	1	5 1/2	1	1 1/2	1 1/2	120	140	60	7	5		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

M U D: 4 p, 6 p, 8 p, 10 p
 P U M P: 4 p, 6 p, 8 p, 10 p
 MOTOR HOURS: 12332, 11887, 12332, 13300, 3012, 3287, 1636, 1378, 54027, 3958

WEIGHT: 9.3, 9.3, 9.3, 9.3
 VISCOSITY: 44, 41, 51, 45
 GEL: 70, 58
 W.L: 9.0, F.C: 2 1/2, pH: 9.5
 DESILTER: Hours Op: 1, U Flow: 7.6, O Flow: 9.5
 ADDITIVES: 1500 Gel
 GENERAL: 3090 1

B.O.P.	Tested	Elsed Time	Pres sure	Packing & Seal Inspected Date	Crown o mate Chk d	Fuel on Hand 12 01 a.m.	4326	gals	CASING REPORT		RAN	ITS	CSG	FEET
Hydral					Rig Savers Chk d	Fuel Rec'd Today (add)		gals						
Pipe Roms					Key Calk Chk d	TOTAL		gals						
Blind Roms					File Equip Chk d	Fuel on Hand 39 p.m. (Exhaust)	3340	gals	PLUS		FLUG DOWN	A.M	P.M	DAYS
TO/CO RING ON BIT = 2						FUEL USED	186	gals	CEMENT RETURNS		YES	NO	CEMENT CHANGES	

CONSERVATION BOARD COPY

LOCATION: Chickadee Sand Creek Well SEC 12 TWP 32 RGE 12 W 1 DATE 10/21
 MAILING POINT: Lawrence, Kansas SHEDDING POINT: Lawrence, Kansas MILES MOVED: 5 ROAD CONDITIONS: Good DAYS FROM SPUD: 1

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft. up on Kelly	
1	5 1/2" 12 1/4"	7	5 1/2"	4 1/2"	12	9	46	1731		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
452	5 1/4			1	150	60		7	5	1

REMARKS	TIME		
	START	STOP	INVT
Drilling	12:00	12:15	15
Setting line	12:15	12:30	15
Drilling	12:30	12:45	15
Setting line	12:45	1:00	15
Drilling	1:00	1:15	15
Setting line	1:15	1:30	15
Drilling	1:30	1:45	15
Setting line	1:45	2:00	15

PUMP		MOTOR HOURS	
No. 2	PREL. PRESSURE	1	2
1	12316	11887	
2	12316	13300	
3	3004	3287	
SURVEYS		4	5
At Feet	Degrees	1620	1378
3097	1	54011	2958
Weather: Clear		Water:	
Temp: 50		122 Bbls	

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
10381	65	65	10381	10/21/88	7112	

FIRES: with

DRILLER'S SIGNATURE: [Signature]

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft. up on Kelly	
2	18 7/8"	7	18 7/8"	15 1/2"	35	50	46	127		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
21	3			2	1400	68				

PUMP		MOTOR HOURS	
No. 2	PREL. PRESSURE	1	2
1	12334	11887	
2	12334	13300	
3	3004	3287	
SURVEYS		4	5
At Feet	Degrees	1628	1378
3090	1	54019	2958
Weather: Clear		Water:	
Temp: 170		Bbls	

FIRES: with

DRILLER'S SIGNATURE: [Signature]

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft. up on Kelly	
2	11 7/8"	7	11 7/8"	10 1/2"	28	10	0			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

PUMP		MOTOR HOURS	
No. 2	PREL. PRESSURE	1	2
1	12332	11887	
2	12332	13300	
3	3012	3287	
SURVEYS		4	5
At Feet	Degrees	1636	1378
4027	1	54027	2958
Weather: Clear		Water:	
Temp: 38-150		Bbls	

FIRES: with

DRILLER'S SIGNATURE: [Signature]

Fuel on Hand 12:01 a.m.	4326 gals	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER
Fuel Rec'd Today (add)							
TOTAL							
Fuel on Hand 11:59 p.m. (deduct)	3340 gals						
FUEL USED	786 gals						

APPROVED BY OPERATOR'S REPRESENTATIVE	APPROVED BY TOOLPUSHER	TOTAL CONTRACTOR'S TIME	TOTAL COMPANY TIME
<u>[Signature]</u>	<u>[Signature]</u>		

GP 0498

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

WELL NO. *15*
DIRECTION *12 miles N.W. of ...*

LOCATION *CHEVON ...*

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. #	Up on Kelly
176	78	7954	7 ³⁴	110	25		2 1/2	15	7	7 1/2	55	9	16		17

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	6 3/4	355	3/10	64909	36	52	306	334			1	1400	60				

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Oil Change
WEIGHT	7.3	9.3	7.3	9.3	No 1	140	110	110	140	No 2					1 12292	11367
VISCOSITY	45	45	48	48	MODEL	60	60	60	60	MODEL					2 12242	11357
GEL															3 3004	3287
W.L.	8.4	FC	2/32	pH 9.0	DESILTER	Hours Op		U Flow	7.6	O Flow	7.3	SURVEYS	At Feet	Degree	4 1596	1378
ADDITIVES:	GENERAL: <i>7120</i>														5 3989	3759

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet Left on Spool	Fires
1 1/2	WR	0	435	8		10785	60	65	10230	11/21	21	21	21	

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. #	Up on Kelly
154	64	2018	7	110	25		2 1/2	15	7	7 1/2	55	9	16		17

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	355	3/10	64909	35-38	52	370	40 1/4			2	1400	60				

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Oil Change
WEIGHT					No 1					No 2					1 12300	11347
VISCOSITY					MODEL					MODEL					2 12300	11350
GEL															3 3004	3287
W.L.		FC		pH	DESILTER	Hours Op		U Flow		O Flow		SURVEYS	At Feet	Degree	4 1604	1378
ADDITIVES:	GENERAL: <i>CHANGERS OIL 7 FILTERS</i>														5 3915	3454

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet Left on Spool	Fires
1 1/2	WR	2	435	8		10785	60	65	10230	11/21	21	21	21	

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & Matt. Chk d	Fuel on Hand 12:01 a.m.	5322	CASING REPORT	RAN	IS	CSG	REN	
Hydral					Rig Savers Chk d	Fuel Rec'd Today (add)		TO	AB USED	SA	CEM		
Pipe Rams					Knits Cook Chk d	TOTAL		PLUS	FUEL DOWN	A.M.	P.M.	DAYS	
Blind Rams					Fine Fav. Chk d	Fuel on Hand 12:59 a.m. (add)	11	CEMENT RETURNS (YES NO)				QUIPMENTS CHANGES	
TOTCO RING ON BIT = <i>4</i>						Hrs		FUEL USED		116			

CONSERVATION BOARD COPY

LOCATION: CHEVRON 2026 WINDFIRE POOL 11-66-57 W-177-578-53
 SEC. 17 PAR. 177-578-53
 ROAD: 177-578-53
 DATE: 4-13-85

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly	
	54415	7	7 1/2	5 1/2	90	76			12.00	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
306	33 1/4			1	1400	60				

4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
111	140	No. 2					1 12292	11887
60	60	MODEL					2 12292	11887
111							3 3004	3287
U. Flow 7.6		O. Flow 9.3		SURVEYS		At Feet		Degrees
				2170		1		

REMARKS	START	STOP	INFL.
Working	12:00	12:15	14
	12:15	12:30	14
	12:30	12:45	13

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
10.285	65	65	10.330	10/21/84	7.46	2185

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly	
	54416	7	7 1/2	5 1/2	90	76			12.00	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
370	40 1/4			2	1400	60				

12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
		No. 2					1 12300	11887
		MODEL					2 12300	
							3 3004	3287
U. Flow		O. Flow		SURVEYS		At Feet		Degrees
				1604		1		1378
				3995		1		3454

REMARKS	START	STOP	INFL.
Drill	12:15	12:30	14
	12:30	12:45	14
	12:45	1:00	14

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
10.285	65	65	10.330	10/21/84	7.46	2185

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly	
	18	7	7 1/2	5 1/2	90	76			7	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
423	47			1	1400	60				

8 p.m.	10 p.m.	PUMP	4 p.m.	6 a.m.	8 p.m.	10 a.m.	MOTOR HOURS	Next Oil Change
		No. 2					1 12308	11887
		MODEL					2 12308	13300
							3 3008	3287
U. Flow		O. Flow		SURVEYS		At Feet		Degrees
				300		1		1378
				9003		1		3758

REMARKS	START	STOP	INFL.
Drill 8 1/4" H.C.E.	12:45	1:00	14
Drill	1:00	1:15	14
Drill	1:15	1:30	14

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
10.285	65	65	10.330	10/21/84	7.46	2185

Fuel on Hand 12:01 a.m.	53.72 gals.	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER
Fuel Rec'd Today (add)							
TOTAL							
Fuel on Hand 11:59 p.m. (deduct)	11.6 gals.						
FUEL USED	116 gals.						

REMARKS	START	STOP	INFL.
Drill	1:30	1:45	14
	1:45	2:00	14
	2:00	2:15	14

APPROVED BY OPERATOR'S REPRESENTATIVE: [Signature]
 APPROVED BY TOOLPUSHER: [Signature]
 GP 8497

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

10 MILES NW OF AARIN

LOCATION: *Aluminum ...*

77-54-5

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt	Sub. Wt	CB	Up on Kelly		
7460	77	7737	7 ³ / ₄	1104	22	2	5 1/2	18	7	7 1/2	5 1/2	16					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	3 1/2	3 1/2	3/10	64909	38	52	89	10 ¹ / ₄			1	1050	60				

MUD	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	MOTOR HOURS	New Oil Charge
WEIGHT	7.3	9.3	9.3	7.3	No. 1	1050	1050	1050	1050	No. 2	1050	1050	1050	1050	11268	11887
VISCOSITY	72	42	42	42	MODEL	64	64	64	64	MODEL	64	64	64	64	21268	11887
GEL					TEMP	54	54	54	54	TEMP	54	54	54	54	3004	3287
WL	82	FC	432	pH	9.5	DESILTER	Hours On	U. Flow	7.5	O. Flow	73	SURVEYS	At Feet	Degrees	41572	1378
ADDITIVES:	GENERAL															

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date	Slip or Cut	Next Slip	Feet on Pool	FIRES
1 1/2	WARRH	1135	8			10285	65	65	10285	19	19	10285	2158		

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt	Sub. Wt	CB	Up on Kelly		
737	68	2305	7 ¹ / ₂	112	23	1	5 1/2	18	7	7 1/2	5 1/2	16					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	3 1/2	3 1/2	3/10	64909	38	50-55	157	17 ¹ / ₄			2	1400	60				

MUD	8 a	10 a	12 noon	2 p	PUMP	8 a	10 a	12 noon	2 p	PUMP	8 a	10 a	12 noon	2 p	MOTOR HOURS	New Oil Charge
WEIGHT	9.3	9.3	9.3		No. 1	14	14	14	14	No. 2	14	14	14	14	11221	11887
VISCOSITY	42	42	42		MODEL	64	64	64	64	MODEL	64	64	64	64	21221	11887
GEL					TEMP	72	72	72	72	TEMP	72	72	72	72	3004	3287
WL	84	FC	32	pH	4.0	DESILTER	Hours On	U. Flow		O. Flow		SURVEYS	At Feet	Degrees	41580	1378
ADDITIVES:	GENERAL															

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date	Slip or Cut	Next Slip	Feet on Pool	FIRES
1 1/2	WARRH	1135	8			10285	65	65	10285	19	19	10285	2158		

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt	Sub. Wt	CB	Up on Kelly		
905	71	2876	7 ¹ / ₄	112	27		5 1/2	18	7	7 1/2	5 1/2	16					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	3 1/2	3 1/2	3/10	64909	38	50-55	228				2	1900	60				

MUD	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	MOTOR HOURS	New Oil Charge
WEIGHT	9.3	9.3	9.3	9.3	No. 1	14	14	14	14	No. 2	14	14	14	14	11228	11887
VISCOSITY	42	42	42	42	MODEL	64	64	64	64	MODEL	64	64	64	64	21228	11887
GEL					TEMP	54	54	54	54	TEMP	54	54	54	54	3012	3287
WL	84	FC	30	pH	10.0	DESILTER	Hours On	U. Flow		O. Flow		SURVEYS	At Feet	Degrees	41588	1378
ADDITIVES:	GENERAL GEL 2000152															

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date	Slip or Cut	Next Slip	Feet on Pool	FIRES
1 1/2	WARRH	1135	8			10285	65	65	10285	19	19	10285	2158		

B.O.P.	Tested	Elapsed Time	Pressure	Parking & Seal Inspected Date	Crown & Matt. Chk'd	Fuel on Hand 12.01 gal	6170	CASING REPORT	RAN	ITS	CSG	HE
Hydral						Fuel Rec'd Today (add)						
Blind Rams	OK					TOTAL						
TOTCO RING ON BIT	29	Boiler operated	24	Hrs		Fuel on Hand 59 gal	5770	PLUS				
						FUEL USED	1000	CEMENT RETURNS	YES	NO		

<p>WORK OVER</p> <p>4 HRS UNION MACHINE & GENERAL CLEAN UP.</p> <p>REPAIR RIGS</p>												
--	--	--	--	--	--	--	--	--	--	--	--	--

N 1/4 Sec 17 T 7 S 4 R 7

LOCATION Alverson, S. 2nd W. 1st N. E. 1/4 SEC 17 TWP 7 RGE 7 DATE 4-11-78
MAILING POINT Alverson, S. 2nd W. 1st N. E. 1/4 SHIPPING POINT Alverson, S. 2nd W. 1st N. E. 1/4 MILES MOVED 52 ROAD CONDITIONS Good

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft up on Kelly	
2	5" 1/2	18	7"	7"	28.55	5"	16		140	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
87	10 1/4			1	1650	64				

REMARKS	TIME		
	START	STOP	INTVL
Drilling	8:00	3:00	8:00

4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
11:00	1:00	No. 2	1400	1400	1400	1400	1 12268	11887
64	64	MODEL					2 12268	11887
14		LINE					3 3004	3287

SURVEYS	At Feet	Degree
4	1572	1378
5	3963	3958

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Spool
10285	65	65	10285	4-11-78	10350	2435

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	ft up on Kelly	
1	5" 1/2	18	7"	7"	27.00	50	46		1300	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
157	17 1/4			2	1400	60				

SURVEYS	At Feet	Degree
4	1580	1378
5	3971	3158

8 p.m.	10 p.m.	PUMP	4 a.m.	6 a.m.	8 a.m.	10 p.m.	MOTOR HOURS	Next Oil Change
MIXER		No. 2	1400	1400	1400	1400	1 12289	11887
14		MODEL	60	70	70	70	2 12289	11887
		LINE	5/8 x 12				3 3012	3287

SURVEYS	At Feet	Degree
4	1588	1378
5	3979	3958

Fuel on Hand 12:01 a.m.	gals.	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
6170							
Fuel Rec'd Today (add)	gals.						
TOTAL	gals.						
Fuel on Hand 11:59 p.m. (deduct)	gals.						
FUEL USED	10213						

PLUS	P.G. DLWN	A.M.	P.M.	DAYS FROM SPUD.	TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME

GP 8496

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 miles W. Parkersburg

LOC. 15
W. Parkersburg

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
2639	2	2641		110	21									

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4	◇	Williams	1063	24	65					2	750	50				

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS
WEIGHT					No. 1					No. 2					1 12244
VISCOSITY					MODEL					MODEL					2 12244
GEL															3 2004

W.L.	DESILTER	Hours	On	U Flow	O Flow	SURVEYS	At Feet	Degrees				
Wet												
ADDITIVES	Hoist pipe - check for wash out, string O.K. core #9 2603-2639 Recovered 36 feet!											
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Pool
1 3/4	WR 914		0-135	2	1	57	1019	1019				2

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
2639	9	2648		110	21		SM 10 1/8"	7 3/8	55.12	50	16				

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4	◇	Williams	1063	24	65	52	2 1/2			1	600	52				
4	8 3/4	355	3-10	64909													

MUD	8 am	10 am	12 noon	2 pm	PUMP	3 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS
WEIGHT	73	73			No. 1		60	26		No. 2					1 19252
VISCOSITY	47	41			MODEL		52	52		MODEL					2 17252
GEL							52	X 14							3 3004

W.L.	F.C.	pH	DESILTER	Hours	On	U Flow	O Flow	SURVEYS	At Feet	Degrees		
ADDITIVES	Core #4 Out @ 2648 from 2639 Rec. 9 feet.											
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Pool
1 3/4	WR 914		0-135	2	1	47	1033	65	15	10-21-1972		2

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	D	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
48	12	26		114	22										

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 7/4	355	3/10	64909	32-35	25-52	12	2 1/2			1	1050					

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS
WEIGHT					No. 1					No. 2					1 12260
VISCOSITY					MODEL					MODEL					2 12260
GEL															3 3004

W.L.	F.C.	pH	DESILTER	Hours	On	U Flow	O Flow	SURVEYS	At Feet	Degrees		
ADDITIVES	GENERAL											
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Pool
1 3/4	WR 914		0-135	2	1	47	1033	65	10	10-23-1972		2

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & Matts Chk'd	Fuel on Hand 12:00 a.m.	7343	40%	CASING REPORT			
Hydriil					Pa. Stamp Chk'd	Fuel Ret'd Today, Total		40%	PAH	ITS	CSG	THE
Pipe Rams	OK				Knives Chk'd	TOTAL		40%	TO	MB USED	SAT	CEM
Blind Rams					Fire Equip Chk'd	Fuel on Hand 12:00 a.m. (retract)	1177	40%	FLUS	FLW	AM	DAYS
TOTCO RING ON BIT = 4	Boiler Operator	1-27	Hrs			FUEL USED	122	40%	CEMENT RETURNS	YES	NO	

LOCATION Chick and S.W. 23-12-72 SEC 23 TAP 11 REF 11 DATE JAN 11 1972
 MAKING POINT PACKED JARRED SHIPPING POINT BARRELS 70000 NILES 20 HOAE 1000 DAYS FROM SPUD

Singles	DRILL COLLARS	No.	O.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
				2	750	50		

REMARKS	TIME
	START STOP INTVL
Change Pump & Motor	1:30 1:45 15
Hoist failed & string	1:45 1:55 10
Lost 200 ft pump up 2 ft	3:00 3:15 15
Pump up 5 ft	3:15 3:30 15
Lost 200 ft pump up 2 ft	4:15 4:30 15
Run in 200 ft pipe	4:30 4:45 15
Run in 200 ft pipe	4:45 5:00 15

PUMP		MOTOR HOURS	
No. 2	LINE	No. 1	LINE
		1	12344
		2	22244
		3	3004
		4	1556
		5	3947

DRILLER'S SIGNATURE
<i>[Signature]</i>

Singles	DRILL COLLARS	No.	O.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
52	2 1/2			1	600	52		

REMARKS	TIME
	START STOP INTVL
Change Pump & Motor	5:00 5:15 15
Hoist failed	5:15 5:30 15
Run in 200 ft pipe	5:30 5:45 15
Run in 200 ft pipe	5:45 6:00 15

PUMP		MOTOR HOURS	
No. 2	LINE	No. 1	LINE
		1	12360
		2	13260
		3	3004
		4	1572
		5	3963

DRILLER'S SIGNATURE
<i>[Signature]</i>

Fuel on Hand 12:01 a.m.	7343 gals.	CASING REPORT	RAN	JIS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER
Fuel Rec'd Today (total)			TO	*B. USED	SAX	CEM	
TOTAL							
Fuel on Hand 11:52 p.m. (idequett)	6497 gals.	PLUS	FEU DOWN	A M P M	DAYS FROM SPUD	TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
FUEL USED	846 gals.	CEMENT RETURNS (YES/NO)	EQUIPMENT CHARGES			Approved by Operator's Representative	Approved by Table

GP 0495

GENERAL PETROLEUMS DRILLING

(DAILY DRILLING LOG)
DIRECTIONS TO WELL

90 miles W Parkersburg

Location: ...
...
...

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	C.B. #	Fracture		
2603																	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	5 1/2	Ø	Williams	1062	26	65	1 hole	106			2	830					
							7										

MUD	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	MOTOR HOURS	
WEIGHT		93													1 12220	11887
VISCOSITY		35													2 12220	11887
GEL															3 3004	3287
W.L.	FC		pH		DESILTER	Hours	Op	U. Flow		O. Flow				SURVEYS	4 1530	1375
ADDITIVES:	1500 Gell				GENERAL:								5 3931	3458		
	100 Caustic				3 Bag Rapid Drill				2 MEN MARK				Weather			
	50 CMC								OVER ON GARMENT				Temp.			

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Slip or Cut	Next Slip	Feet on Slip
1/8	1 1/2	W	10-125	3	1	5.14	65	67	76	11/3			

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	C.B. #	Fracture		
2610	15	2625	7 1/2	1144	20	2		14			2603						
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	5 1/4	Ø	Williams	1062	26	65	2 holes	174			2	800	52				
							2	13									

MUD	8 a	10 a	12 noon	2 p	PUMP	8 a	10 a	12 noon	2 p	PUMP	8 a	10 a	12 noon	2 p	MOTOR HOURS	
WEIGHT	93	93	93	93											1 2228	11807
VISCOSITY	43	42	42	42											2 2228	11837
GEL															3 3004	3254
W.L.	1.8	FC	432	pH 8.5	DESILTER	Hours	Op	U. Flow		O. Flow				SURVEYS	4 1538	1375
ADDITIVES:	1000 Gell				GENERAL:								5 3939	3459		
	50 Caustic												Weather			
	4 Rapid Drill												Temp.			

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Slip or Cut	Next Slip	Feet on Slip
1/8	1 1/2	W	10-125	3	1	10.41	65	67	76	11/3			

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	C.B. #	Fracture		
2625	15	2640	6	1144	21	1		14			2603						
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	5 1/4	Ø	Williams	1062	26	60	3 holes	174			2	750	50				

MUD	4 a	6 a	8 a	10 a	PUMP	4 a	6 a	8 a	10 a	PUMP	4 a	6 a	8 a	10 a	MOTOR HOURS	
WEIGHT	93	93	93	93											1 2234	11887
VISCOSITY	42	43	45	47											2 2236	11837
GEL															3 3004	3287
W.L.	10.4	FC	432	pH 7.5	DESILTER	Hours	Op	U. Flow		O. Flow				SURVEYS	4 1546	1378
ADDITIVES:	1000 Gell				GENERAL:								5 2147	3458		
	50 Caustic												Weather			
	4 Rapid Drill												Temp.			

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Slip or Cut	Next Slip	Feet on Slip
1/8	1 1/2	W	10-125	3	1	10.41	65	67	76	11/3			

B.O.P.	Tested	Elapsed Time	Pres. Use	Packing & Seal Inspected Date	Crown & Motor Chkd	Rig Safety Chkd	Key Cox Chkd	Fuel on Hand	Fuel Used Today	TOTAL	Fuel on Hand	CEMENT RETURNS	YES	NO

TOTCO RING ON BIT	Boiler Operated	Hrs.	Fuel Used	CEMENT RETURNS	YES	NO
		2.24				

CONSERVATION BOARD COPY

LOC. ON (C) PARKWAY SUBC. W. PARKWAY - 57-00 77-00 58
 DATE JAN 17
 MILES MOVED 50
 ROAD CONDITIONS RUGH

Drills	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Kelly
2	2	14	7	2 3/8	5 1/2	55	46			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
14	10 1/2			2	800	52				
7	5 1/2									

PUMP		MOTOR HOURS	
No. 2	Next Change	1	2
12220	11837	12220	11837
12220	11837	3004	3237
SURVEYS		4	5
U. Flow	O. Flow	At Feet	Degree
		1530	1378
		3931	3958
Weather		Temp.	Bbls

Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Kelly
10141	65	67	4/21/72	1/17/73	

REMARKS	TIME		
	START	STOP	INTVL
Pump 2 3004			

Drills	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Kelly
2	2	14	7	2 3/8	5 1/2	55	46			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
20	17 1/4			2	800	52				
22	13									

PUMP		MOTOR HOURS	
No. 2	Next Change	1	2
12228	11837	12228	11837
12228	11837	3004	3237
SURVEYS		4	5
U. Flow	O. Flow	At Feet	Degree
		1538	1378
		3939	3959
Weather		Temp.	Bbls

Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Kelly
10141	65	67	4/21/72	1/17/73	

REMARKS	TIME		
	START	STOP	INTVL
Working on Get things working again			

Drills	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Kelly
1	1	14	7	2 3/8	5 1/2	55	46			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
36	11			2	750	50				

PUMP		MOTOR HOURS	
No. 2	Next Change	1	2
12236	11837	12236	11837
12236	11837	3004	3237
SURVEYS		4	5
U. Flow	O. Flow	At Feet	Degree
		1546	1378
		3947	3958
Weather		Temp.	Bbls

Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Kelly
10141	65	67	4/21/72	1/17/73	

REMARKS	TIME		
	START	STOP	INTVL

FUEL ON HAND		TOTAL		FUEL USED	
10 a.m.	4 p.m.	10 a.m.	4 p.m.	10 a.m.	4 p.m.
40	40	40	40	40	40

CASING REPORT		RAN		ITS		CSG		RENTAL EQUIPMENT ON HAND		TRANSFER #	
FUEL USED	CEMENT RETURNS	YES	NO	FLS	DOWN	A	P	M	CEM	DAYS FROM SPUD	HRS

TOTAL COMPANY TIME		TOTAL CONTRACTOR'S TIME	
HRS	TIME	HRS	TIME

Approved by Operator's Representative
 Approved by Toolpusher

GP 0494

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 Miles W - Parkin

LOCATION: CHeenan SUBC - W PARKIN CIRC N 66-57-W 101-57
90 Miles W - Parkin Yukon

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	OD	ID	Length	Air Wt	Sub Wt	CB Ft	Flow on
2596				104	21		5 1/2	18	7	2 3/8	55	5	4		
MAGNET & JUNIK SUB.															
MUD: 12 mn 2 am 4 am 6 am PUMP: 12 mn 2 am 4 am 6 am MOTOR HOURS: 1/2196 11887															
WEIGHT: No 1 2196 11887															
VISCOSITY: MODEL 2196 11887															
GEL: 3 3004 3287															
WL: F.C. pH DESILTER: Hours Op U. Flow O. Flow SURVEYS: At Feet Degrees 4 1506 1378															
ADDITIVES: 16 Beams of Iron Sulfide GENERAL: Magnet															
Drilling Line Record: 1 1/8 Wright 0-1135 No Lines 8 Trips 12 150 994 Feet 65 65 9624 13-1-72 10124 2503															
2596	1	2597	1	114m	20	2	5 1/2	18	7	2 3/8	55	16	16		2162
WILLIAMS 1063 14 52 1 1 2 600 64															
MUD: 3 am 9 am 12 noon 2 pm PUMP: 3 am 0 am 12 noon 2 pm MOTOR HOURS: 1/2204 11887															
WEIGHT: No 1 2204 11887															
VISCOSITY: MODEL 2204 11887															
GEL: 3 3004 3287															
WL: F.C. pH DESILTER: Hours Op U. Flow O. Flow SURVEYS: At Feet Degrees 4 1514 1378															
ADDITIVES: 50% Carotic 5% Gel GENERAL:															
Drilling Line Record: 1 1/8 Wright 0-1135 No Lines 8 Trips 12 150 994 Feet 65 65 9624 13-1-72 10124 2503															
2597	6	2603	3	110	20	2	5 1/2	18	7	2 3/8	55	54	54		2200
WILLIAMS 1063 1518 7 4 2 750 54															
MUD: 4 am 6 am 8 am 10 am PUMP: 4 am 6 am 8 am 10 am MOTOR HOURS: 1/2212 11887															
WEIGHT: No 1 2212 11887															
VISCOSITY: MODEL 2212 11887															
GEL: 3 3012 3287															
WL: F.C. pH DESILTER: Hours Op U. Flow O. Flow SURVEYS: At Feet Degrees 4 1522 1378															
ADDITIVES: Coal #7 from 2696 to 2603 Rec. 7 feet. GENERAL:															
Drilling Line Record: 1 1/8 Wright 0-1135 No Lines 8 Trips 12 150 994 Feet 65 65 9624 13-1-72 10124 2503															

REG. ST
CIR. ST
HOIST
CLEAN
MAKE
RUN
CLEAN
HOIST
PICK
FIRES
SEN
PINS
PUMP
BENT
CIR
COR
HOIST
PUMP
PUMP
CLEAN
FIRES
WASH
HOIST
PUMP
CLEAN
FIRES

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & Motor Chkd	Fuel on Hand	Fuel Used Today	TOTAL	Fuel on Hand	FUEL USED	CEMENT RETURNS
						6490	5320	12,600.66	7638		
TOTCO RING ON BIT = 23 Boiler Operated 24 Hrs											

CUSTOMER'S COPY

LOCATION: Chetawan SUBC. - W. TING CRIC N 66-57-W 171-58-58
 ROAD NO. 50
 DATE: Jan 16 1972
 AREA: PARKIN YUKON
 PROJECT: PARKIN YUKON

DRILL		No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on		
COLLARS		51490	18	7	2 3/8	55	50	44			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
PUMP		MOTOR HOURS		Next Oil Change							
No. 2		12196		11887							
MODELS		212196		11887							
		3 3004		3287							
U. Flow		O. Flow		SURVEYS		At Feet		Degrees			
				4 1506		1378					
				5 3906		3958					
				Weather Clear		Wind					
				Temp. 38		190					
Total Miles		Feet		At Miles		Date		Next Slip		Feet left on spool	
9941		65		9624		13-1-72		10124		2503	

REMARKS
 Rig Started
 Circ work Junk Soil
 Hoist
 Clean Junk & Check Pit
 MAKE UP MAGNET JUNK SOIL
 Run in
 Circ & work Junk Soil
 Hoist Top CORE BAR
 Pick up New Core Bar & Breakup 6" 8" 1 3/4"

FIRES N-1
 DRILLER'S SIGNATURE: [Signature]

DRILL		No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on		
COLLARS		51490	13	7	2 3/8	55	16		2762		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
1	1			2	600	64					
PUMP		MOTOR HOURS		Next Oil Change							
No. 2		12204		11887							
MODELS		212204		11887							
		3 3004		3287							
U. Flow		O. Flow		SURVEYS		At Feet		Degrees			
				4 1514		1378					
				5 3915		3958					
				Weather Clear		Wind					
				Temp. 40		150					
Total Miles		Feet		At Miles		Date		Next Slip		Feet left on spool	
15091		65		9624		13-1-72		10124		2503	

REMARKS
 Set Rig Check Bars Brake 8"
 Pins, Rig Savers
 Run in
 Break Circ Clean Core 2 3/8" 6 ft. 9"
 Circ Core BBL
 Coring Core
 Hoist Core
 Break down the frame & reposition
 Run in w/ Core BBL
 Clean up fill
 FIRES N-1
 DRILLER'S SIGNATURE: [Signature]

DRILL		No.	OD	ID	Length	Air Wt.	Sub. Wt.	CB Ft.	Up on		
COLLARS		51490	18	7	2 3/8	55	44		2200		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
7	4 3/4			2	750	54					
PUMP		MOTOR HOURS		Next Oil Change							
No. 2		12212		11887							
MODELS		212212		11887							
		3 3012		3287							
U. Flow		O. Flow		SURVEYS		At Feet		Degrees			
				4 1522		1378					
				5 3923		3958					
				Weather Clear		Wind					
				Temp. 45		170					
Total Miles		Feet		At Miles		Date		Next Slip		Feet left on spool	
15091		65		9624		13-1-72		10124		2503	

REMARKS
 Circ Core BBL Junk Soil
 Cuttings Clean Pit & 2nd Run
 Working & REAMING CORE BAR
 Hoist Core BBL
 Break up Core
 Set up 2 MAKE UP BBL
 FIRES N-1
 DRILLER'S SIGNATURE: [Signature]

CASING REPORT		FUEL USED		CEMENT RETURNS	
Fuel on Hand	2 01 am	6890		YES	NO
Fuel Rel'd Today	9	5320			
TOTAL	12,600.66				
Fuel on Hand	192	7638			

REMARKS
 DRILLER'S SIGNATURE: [Signature]

CUSTOMER'S COPY
 GP 433

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

70 Miles W. Parkersburg

LOCATION: ...
...
...

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
2641	28	28		11	22						4607				

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1 3/4	O	4 3/8 Drill	71A-49	7	100											
2	1 3/4	XIG	1/2	37244	15	100		30	2 1/2		2	1600	56	125	10		

MUD	12 m	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS
WEIGHT															1121.72
VISCOSITY															11887
GEL															3004
W.L.	FC		pH		DESILTER	Hours Op.		U. Flow		O. Flow					1482
ADDITIVES:	GENERAL: 2450														

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date	Slip or Cut	Next Slip	Foot or Cut
1 3/4	WRIGHT		0135	8	1	65	9779	6	6	7624	12-12	12	12	2453

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
2716				1300	22	1		7	7 3/8		16120				2736

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1 3/4	XIG	1/2	37244	20-15	100		60	1 3/4		2	1300	60		8	8	0

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS
WEIGHT	9.39	9.3													1171.80
VISCOSITY	38	42	42												11687
GEL															3004
W.L.	9.5	FC	1/32	pH 9.5	DESILTER	Hours Op.		U. Flow 9.5		O. Flow 7.3					1190
ADDITIVES:	GENERAL: 2450														

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date	Slip or Cut	Next Slip	Foot or Cut
1 3/4	WRIGHT		0135	8	2	36	9755	6	6	7624	12-12	12	12	2453

From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Up on Kelly
2846				1134	21			9			5214				2866

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	1 3/4	XDV	2/10	36391	4,000	100		3 1/4	26		2	1500					

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS
WEIGHT				9.3											12188
VISCOSITY				10	42										11887
GEL															3012
W.L.	9.6	FC	1/32	pH 9.0	DESILTER	Hours Op.		U. Flow		O. Flow					1498
ADDITIVES:	GENERAL: 2450														

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date	Slip or Cut	Next Slip	Foot or Cut
1 3/4	WRIGHT		0135	8	3	36	9791	6	6	7624	12-12	12	12	2453

B.O.P.	Tested	Elapsed Time	Prev. Core	Packing & Seal Inspected Date	Crown & Motor	Fuel on Hand	Fuel Used Today	TOTAL	FUEL USED	CASING REPORT	YES	NO

TOTCO RING ON BIT	Operator	Time	Remarks

CONSERVATION BOARD COPY

LOCATION: WILSON SUBC - WILSON CRK NW 1/4 - 177 - 2907 SEC 17 TAP 177 RANGE 2907 DATE JAN 5 1968
 VALVE POINT: PARKIN YUKON SHIPING POINT: PARKIN YUKON FEELS MOVEL: 5 ROAD CONDITIONS: Fair DAYS FROM SPUD: 102

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly
1		5-490		15	7	7	464.70				21
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
		30	2 1/2	2	1400	56	125		1	0	
4 a.m.		PUMP		12 m.		2 a.m.		4 a.m.		6 a.m.	
		No. 2		134		130		121.72		11887	
		MODEL		6		6		212.72		11887	
		LINE SIZE		5 1/2		1 1/4		300.4		3287	
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		4 1482 1378	
						2450		1		5 3882 3958	
										Weather: <u>Clear</u>	
										Temp. <u>60</u>	
Total Miles		Feet		At Miles		Date		Next		Fl. Left	
171.9		65		65		9624		13-1-72		134	

REMARKS			TIME		
			START	STOP	INTVL
40.5			12:00	1:00	1:00
Rg. Survey			1:00	2:00	1:00
E. of ...			2:00	3:00	1:00
L. of ...			3:00	4:00	1:00
R. of ...			4:00	5:00	1:00
R. of ...			5:00	6:00	1:00

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly
1		5-490		15	7	7	464.70				21.36
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
		60	8 1/4	2	1300	61		8	8	0	
12 noon		PUMP		8 a.m.		10 a.m.		12 noon		2 a.m.	
		No. 2		134		130		121.80		11887	
		MODEL		6		6		212.80		11887	
		LINE SIZE		5 1/2		1 1/4		300.4		3287	
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		4 1490 1378	
						2450		1		5 3890 3958	
										Weather: <u>Clear</u>	
										Temp. <u>51</u>	
Total Miles		Feet		At Miles		Date		Next		Fl. Left	
173.5		65		65		9624		13-1-72		134	

REMARKS			TIME		
			START	STOP	INTVL
Fires			8:00	1:00	5:00
C. of ...			1:00	2:00	1:00
S. of ...			2:00	3:00	1:00
E. of ...			3:00	4:00	1:00
W. of ...			4:00	5:00	1:00

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kelly
1		5-490		15	7	7	464.70				21.36
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
		3 1/4	2 1/2	2	1500						
8 a.m.		PUMP		4 p.m.		6 a.m.		8 p.m.		10 p.m.	
		No. 2		134		130		121.88		11887	
		MODEL		6		6		212.88		11887	
		LINE SIZE		5 1/2		1 1/4		301.2		3287	
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		4 1498 1378	
						450		1		5 3898 3958	
										Weather: <u>Clear</u>	
										Temp. <u>51</u>	
Total Miles		Feet		At Miles		Date		Next		Fl. Left	
179.1		65		65		9624		13-1-72		134	

REMARKS			TIME		
			START	STOP	INTVL
Fires			11:00	12:00	1:00
R. of ...			12:00	1:00	1:00
L. of ...			1:00	2:00	1:00
E. of ...			2:00	3:00	1:00
W. of ...			3:00	4:00	1:00

Fuel on Hand 12 01 a.m.		644		CASING REPORT		RAN		ITS		CSG		RENTAL EQUIPMENT ON HAND		TRANSFER #	
Fuel Rec'd Today		0		TOTAL		TO		KB USED		SAP		CEM			
Fuel on Hand 5 31 p.m.		5320		PLUS		FLU		A.M.		P.M.		DAYS FROM SPUD		TOTAL COMPANY TIME	
FUEL USED		1772		CEMENT RETURNS (YES NO)				EQUIPMENT CHANGES				HRS		TOTAL CONTRACTOR'S TIME	

REMARKS			TIME		
			START	STOP	INTVL
Fires			11:00	12:00	1:00
R. of ...			12:00	1:00	1:00
L. of ...			1:00	2:00	1:00
E. of ...			2:00	3:00	1:00
W. of ...			3:00	4:00	1:00

Approved by Operator's Representative: [Signature]
 Approved by Toolpusher: [Signature]

GP 0492

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 Miles W. Parkin

LOCATED ON ...
MAY ...

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	CB Ft.	Fr. on Sp.
2436	20	2456	10	100	20										

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	6 3/8			71A-49	10	76	20	4			2	800	56				

MUD	12 m	2 a m	4 a m	6 a m	PUMP	12 m	2 a m	4 a m	6 a m	PUMP	12 m	2 a m	4 a m	6 a m	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 12148	11887
VISCOSITY					MODEL					MODEL					2 12148	11887
GEL					LINER					LINER					3 3004	3287

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						4	1466	1378

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	CB Ft.	Fr. on Sp.
2456	25	2481	10	100	20	1									

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	6 3/8	Westdrill		71A-49	10	76	45	11 1/4			2	800	56				

MUD	8 a m	10 a m	12 noon	2 p m	PUMP	8 a m	10 a m	12 noon	2 p m	PUMP	8 a m	10 a m	12 noon	2 p m	MOTOR HOURS	Next Change
WEIGHT	9.3	9.3	9.3	9.3	No. 1					No. 2					1 12156	11897
VISCOSITY	43	44	44	43	MODEL					MODEL					2 12156	11897
GEL					LINER					LINER					3 3004	3287

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
9.4	2/32	8.5		4.1	9.3	4	1474	1378

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	CB Ft.	Fr. on Sp.
2481	15	2496	10	100	20	1									

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	6 3/8	Westdrill		71A-49	10	72	60	14 1/4			2	800	56				

MUD	4 p m	6 p m	8 p m	10 p m	PUMP	4 p m	6 p m	8 p m	10 p m	PUMP	4 p m	6 p m	8 p m	10 p m	MOTOR HOURS	Next Change
WEIGHT	4.3	4.3	4.3	4.3	No. 1					No. 2					1 12164	11887
VISCOSITY	44	43	44	44	MODEL					MODEL					2 12164	11887
GEL					LINER					LINER					3 3012	3287

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
4.5	4/32	4.5				4	1482	1378

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	CB Ft.	Fr. on Sp.
2496	15	2511	10	100	20	1									

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	6 3/8	Westdrill		71A-49	10	72	60	14 1/4			2	800	56				

MUD	4 p m	6 p m	8 p m	10 p m	PUMP	4 p m	6 p m	8 p m	10 p m	PUMP	4 p m	6 p m	8 p m	10 p m	MOTOR HOURS	Next Change
WEIGHT	4.3	4.3	4.3	4.3	No. 1					No. 2					1 12164	11887
VISCOSITY	44	43	44	44	MODEL					MODEL					2 12164	11887
GEL					LINER					LINER					3 3012	3287

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
4.5	4/32	4.5				4	1482	1378

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Sp.
1 1/2	WR-341		0-1135	8			765	65	65	7/24	3-1-24	10/24

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	CB Ft.	Fr. on Sp.
2511	15	2526	10	100	20	1									

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	6 3/8	Westdrill		71A-49	10	72	60	14 1/4			2	800	56				

CONSERVATION BOARD COPY

TOUR MIDNIGHT TO 8 AM TOUR SAM TO 4 PM TOUR 4 PM TO MIDNIGHT

11.00 AM. 2 Boilers down #1 started up at 11.30

114 Diff No. Cor

Blow Out FLOOR LINE WITH AIR.

Cutting

100 H.P. Pump

Checking

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & mat. Chk'd	Fuel on Hand 2 Oil	CASING REPORT	PAN	TS	CSG	RET

TOTCO RING ON BIT	Boiler Operated	Hrs	FUEL USED	CEMENT RETURNS	YES	NO
→ 2	24		774			

LOCATIONS: WYOMING SEC 12 TWP 14 RGE 14 DATE JAN 14 1977
 MAILING POINT Parkview Yukon SHIPPING POINT Parkview Yukon MILES MOVED 12 ROAD CONDITIONS ROUGH DAYS FROM SPUD 3

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Key	
		1	7 1/2	5 1/2	20	50	46		700	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
20	4			2	800	56				

REMARKS	TIME		
	START	STOP	INTVL
11:20	11:20	11:20	0
11:20	11:20	11:20	0
11:20	11:20	11:20	0
11:20	11:20	11:20	0
11:20	11:20	11:20	0

PUMP		MOTOR HOURS	
No. 2	PRE. PRESSURE	1	2
1	800	112148	11887
2	800	212148	11887
3	800	33004	3287
SURVEYS		At Feet	Degree
U. Flow		41466	1378
O. Flow		53868	3958
Weather		Clear	Water
Temp		75	

PUMP		MOTOR HOURS	
No. 2	PRE. PRESSURE	1	2
1	800	112156	11897
2	800	212156	11897
3	800	33004	3287
SURVEYS		At Feet	Degree
U. Flow		41474	1378
O. Flow		53876	3958
Weather		Clear	Water
Temp		55	

PUMP		MOTOR HOURS	
No. 2	PRE. PRESSURE	1	2
1	800	112164	11887
2	800	212164	11887
3	800	3012	3287
SURVEYS		At Feet	Degree
U. Flow		41482	1378
O. Flow		53890	3958
Weather		Clear	Water
Temp		55	

PUMP		MOTOR HOURS	
No. 2	PRE. PRESSURE	1	2
1	800	112164	11887
2	800	212164	11887
3	800	3012	3287
SURVEYS		At Feet	Degree
U. Flow		41482	1378
O. Flow		53890	3958
Weather		Clear	Water
Temp		55	

CASING REPORT		TRANSFER #	
PAN	TS	CSG	CEM

FUELS		EQUIPMENT	
AM	PM	DOWN	UP

Fuel on Hand: 201 gal. Fuel Rec'd Today: add gal. TOTAL: 190 gal. Fuel on Hand: 59 gal. FUEL USED: 774 gal. CEMENT RETURNS (YES/NO): [] EQUIPMENT CHARGES: []

Approved by Operator Representative: [Signature]
 Approved by Toolpusher: [Signature]
 GP 3491

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

70 Miles W. PARKIN

LOC. ON CHESTNUT SUB-WATER...
PARKIN

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B. Ft	Flow on		
2501	28	2529	7 3/4	10	19	2	54018	7	7 1/2	5 1/2	1177	10-1-72	4100	11887	11887	11887	
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
CH 463	3/4	West Drill		71A49	10	76	25	7 3/4			2	800	56				

MUD	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	MOTOR HOURS	Next Chg
WEIGHT					No 1					No 2					12134	11887
VISCOSITY					MODEL					MODEL					32124	11887
GEL															33004	3287
W.L.	FC	pH	DESILTER: Hours Op:		U Flow		O Flow		SURVEYS		At Feet		Degrees		41442	1378
ADDITIVES:	GENERAL: TOLK SAVERS S-R 287															
Weather															Temp	Bbls

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Sup	Feet	at Cut	At Miles	Date	Slip or Cut	Next Slip	Flow on
1 1/2	WUR	10-1135	8	1	52	9602	65	65	1157	11-1-72	7600	2512			

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B. Ft	Flow on		
2529	7	2536	1 3/4	10700			54018	7	7 1/2	5 1/2	1177	10-1-72	4100	11887	11887		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
CH 463	3/4	West Drill		71A49	10	76	35	7 1/2	2		2	800	56				
PK 2	8 3/4	XIG	2 1/2	37244	10	100		27	1		2	1770	64				

MUD	8 a	10 a	12 noon	2 p	PUMP	8 a	10 a	12 noon	2 p	PUMP	8 a	10 a	12 noon	2 p	MOTOR HOURS	Next Chg
WEIGHT	93				No 1					No 2					12132	11887
VISCOSITY	44				MODEL					MODEL					21232	11887
GEL															33004	3217
W.L.	9.8	FC	732	pH 9	DESILTER: Hours Op:		U Flow		O Flow		SURVEYS		At Feet		Degrees	
ADDITIVES:	GENERAL: (CORE # 5 35 feet.) Rec. 35 feet. 3 1/2 IN. STAGN. RUN TO HOSE 11 NEW BOILER															
Weather															Temp	Bbls

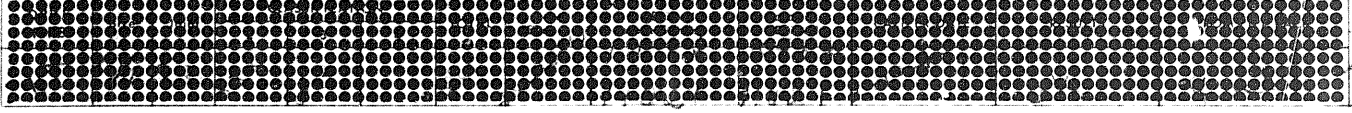
Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Sup	Feet	at Cut	At Miles	Date	Slip or Cut	Next Slip	Flow on
1 1/2	WUR	10-1135	8	1	52	9602	65	65	1157	11-1-72	7600	2512			

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B. Ft	Flow on		
2536			1 1/4		20	2	117										
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
PK 2	8 3/4	XIG	2 1/2	37244	10	100		62	2 1/2		1	1750	64				

MUD	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	MOTOR HOURS	Next Chg
WEIGHT	4.3				No 1					No 2					12140	11887
VISCOSITY	47				MODEL					MODEL					21240	11887
GEL															33002	3287
W.L.	FC	pH	DESILTER: Hours Op:		U Flow		O Flow		SURVEYS		At Feet		Degrees		41458	1378
ADDITIVES:	GENERAL: Test Rpt Ser # 551703 The Model 481 P.O. Wapner Pump started up and on line @ 6:00 PM on 12/12															
Weather															Temp	Bbls

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Sup	Feet	at Cut	At Miles	Date	Slip or Cut	Next Slip	Flow on
1 1/2	WUR	10-1135	8	1	52	9602	65	65	1157	11-1-72	7600	2512			

B.O.P.	Tested	Elapsed time	Pressure	Packing & Seal Inspected Date	Crown & mot Chkd	Fuel on Hand 12 01 a.m.	3176 gal	CASING REPORT		RAN	ITS	CSG	HTS	
Hydral					Rig Safety Chkd	Fuel Rec'd Today (add)	59 gal	TOTAL		3236 gal	TO	KB USED	SAT	
Pap Ram					APR 10	Fuel on Hand 12 01 p.m.	72 gal	PLUS		72 gal	PLUS	FILL DOWN	A.M. P.M.	
Blind Ram					APR 10	FUEL USED		CEMENT RETURNS		YES NO	EQUIPMENT HANDLES			
TOTCO RING ON BIT # 22 Boiler Operated 24													1-10	



LOCATION: CHEVRO SUBC-WORKING CASE ALL 57-5102 12 54
 DATE: JANUARY 13 72
 MAILING POINT: PARKIN YUKON SHIPPING POINT: PARKIN YUKON MILES MOVED: 50 ROAD CONDITIONS: ROUGH

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
2	5190	18	7	2 1/2	55 1/2	10	41	2458	0	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
15	7 3/4			2	800	56		12		

REMARKS			TIME		
START	STOP	INTVL	START	STOP	INTVL
			12:00	12:00	4
			12:08	12:08	7 3/4

PUMP		MOTOR HOURS	
No. 2	PRE. PRESSURE	12124	11887
MODEL	LINE W. LINE SIZE	32124	11887
		3004	3287
U. Flow	O. Flow	41442	1378
SURVEYS		5 3844	3958
At Feet		Degrees	
Weather		Water	
Temp.		Bbls	

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Ft. left on Spool
9550	65	65	9187	10-1-72	9400	2573

DRILLER'S SIGNATURE: *[Signature]*

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
35	5400	18	7	2 1/2	55 1/2	10	46		0	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
27	2	1	2	800	56		64			

REMARKS			TIME		
Coring Core #5			8:00	9:45	1 3/4
Hair Core			9:05	11:30	2 1/4
Hole in Box Core			11:40	12:00	1
Full Hole Clean Test 1/4" dia			1:00	3:00	2
Temp 24, 26, 27, 28			3:30	4:00	1

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Ft. left on Spool
9624	65	65	9624	13-1-72	10174	553

DRILLER'S SIGNATURE: *[Signature]*

REMARKS			TIME		
Kern 1st Surface Pit 20-50-200			4:30	4:50	1/4
Kern 2nd Surface Pit			5:45	6:00	1/4
Kern 3rd Surface Pit			7:15	7:30	1/4
Kern 4th Surface Pit			8:45	9:00	1/4
Kern 5th Surface Pit			10:15	10:30	1/4

Fuel on Hand 12:01 a.m.	3176 gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Fuel Rec'd Today (add)	59						
TOTAL	4026						
Fuel on Hand 11:59 p.m.	1607						
FUEL USED	2419						

Approved by Operator's Representative: *[Signature]*
 Approved by Toolpusher: *[Signature]*
 GP 8490

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90. MILES. W PARKIN

LOC. NO 15 LOC. OF C. H. HANSON SUBC. W. W. - 7 PARKIN 2016
TOWN OF PARKIN YORK CO. PA. 17360

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD.	ID.	Length	Air Wt.	Sub. Wt.	CB Ft.	Flow on Bit		
2472	1	2473	2.1	107	19	1	5190-18	7	23	23	55121	50	46	733			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
R2	8 3/4	RIG	3/4	71A49	15	100		2.1			2	100	56				
H4	6 3/4	WASH		71A49													

MUD	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	MOTOR HOURS	Next Oil Change
WEIGHT	7.4				No. 1					No. 2					112100	11887
VISCOSITY	40				MODEL					MODEL					212100	11887
GEL															33004	3287
W.L.	FC		pH 7.6	DESILTER: Hours Op		U. Flow		O. Flow		SURVEYS				41418	1378	
ADDITIVES:	1/4 STEAM WATER															
GENERAL:																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Flow on Bit
1 3/8	WRIGHT	0-1135	4	1	2.7	7481	65	13	7187	11-1-22	7600	253

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD.	ID.	Length	Air Wt.	Sub. Wt.	CB Ft.	Flow on Bit		
2473	28	2501	6 1/2	107 tons	19	1	5190-18	15	7	23	55121	50	46	733			
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
H4	6 3/4	WASH		71A49	12	76	28	6 1/2			2	850	57				

MUD	8 a	10 a	12 noon	2 a	PUMP	8 a	10 a	12 noon	2 a	PUMP	8 a	10 a	12 noon	2 a	MOTOR HOURS	Next Oil Change
WEIGHT	9.4	9.393			No. 1					No. 2					12108	11887
VISCOSITY	38	3839			MODEL					MODEL					212108	11887
GEL															33004	3287
W.L.	10.4	FC	2.32	pH 10	DESILTER: Hours Op	3	U. Flow	9.7	O. Flow	9.4	SURVEYS			41426	1378	
ADDITIVES:	2 1/2" 1"															
GENERAL:																

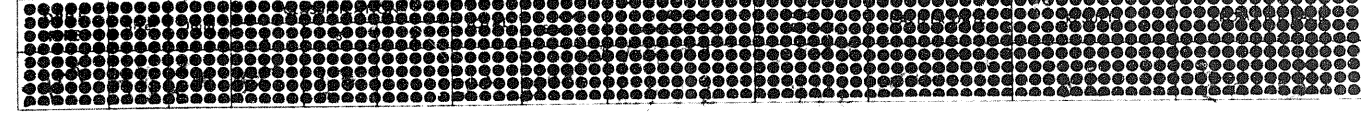
Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Flow on Bit
1 3/8	WRIGHT	0-1135	8	1 1/2	23	9504	65	13	7187	11-1-22	7600	253

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD.	ID.	Length	Air Wt.	Sub. Wt.	CB Ft.	Flow on Bit		
2501					19	1	5190								733		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
H4	6 3/4	WASH		71A49			28	6 1/2									

MUD	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1					No. 2					112116	11887
VISCOSITY					MODEL					MODEL					212116	11887
GEL															33004	3287
W.L.	FC		pH	DESILTER: Hours Op		U. Flow		O. Flow		SURVEYS				41434	1378	
ADDITIVES:	5 1/2" 14 HRS															
GENERAL:	WELD SHAKER MOTOR HOOK UP HEAT LINE (SUB) 2450 1° TRANSFER FUEL															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Flow on Bit
1 3/8	WRIGHT	0-1135	8	1	46	9550	65	65	7187	11-1-22	7600	2573

B.O.P.	Tested	Elapsed Time	Pressure	Parking & Seal Inspected Date	Crown or Mat. Chkd	Fuel on Hand 12:01 a.m.	77.28 gals	CASING REPORT	RAN	ITS	CSG	HEAT
Hydri					Rig Savers Chkd	Fuel Rec'd Today (add)		TO				
Pape Rams					Keys Chkd	TOTAL		PLUS				
Blind Rams					Firm Equip. Chkd	FUEL USED		CEMENT RETURNS (YES/NO)				
TOTCO RING ON BIT		Operated										



CONSERVATION BOARD COPY

LOCAT: ELHEM SBC WY-7 PARK CR DATE: January 22
 WALKING POINT: PARKIN YUKON SHIPPING POINT: PARKIN YUKON MILES: 30 ROAD: COND

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fit up on Kelly	
1	519018	7	2 3/8	2 1/8	52' 24"	50	42	14'	2'	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	30	2 1/2		2	1700	56				

REMARKS		TIME		
		START	STOP	INTVL
Raining		2	12	2 1/2
Sewer		2	12	2 1/2
Hole		2	12	2 1/2
K...		2	12	2 1/2
P...		2	12	2 1/2
R...		2	12	2 1/2
C...		2	12	2 1/2

PUMP		MOTOR HOURS	
No 2	MODEL	112100	11887
2	850	2	850
3	51	3	3004
4	5 1/2 x 14	4	1418
5		5	3820

SURVEYS	
At Feet	Degrees
4	1
5	1

Weather: 0/c Water: 10° Bbls: 50-100

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fit up on Kelly	
1	5492	15	7"	2 3/8	55' 31"	50	46		7' 33"	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
28	6 1/2			2	850	57				

REMARKS		TIME		
Coring		6	2	30 1/2
Plow lines		2	4	40 1/2

PUMP		MOTOR HOURS	
No 2	MODEL	112108	11887
800	800	2	800
51	51	3	3004
5 1/2 x 14		4	1426
		5	3828

SURVEYS	
At Feet	Degrees
4	1
5	1

Weather: 0/c Water: 150 Bbls: 58-150

PUMP		MOTOR HOURS	
No 2	MODEL	112116	11887
4pm	6pm	8pm	10pm
8	8	3	3004
14	34	4	1434
38	36	5	3836

SURVEYS	
At Feet	Degrees
4	1
5	1

Weather: 0/c Water: 48° Bbls: 48°

Fuel on Hand 12:01 a.m.	27 1/8 gals	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER TO
Fuel Rec'd Today (add)			TO	KB USED	SAX	CEM	
TOTAL		PLUS				DAYS FROM SPUD	TOTAL COMPANY TIME
Fuel on Hand 11:59 p.m. (stealer)		CEMENT RETURNS (YES/NO)					TOTAL CONTRACTOR'S TIME
FUEL USED							

Approved by Operator's Representative: [Signature]
 Approved by Toolpusher: [Signature]

GP 0489

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 MILES. W. PARKIN

WELL NO 15

LOCATION CHEVRON SONS - W. E. LANE CRT. N-16°-57'-5"

SECTION 13 T. 12 S. R. 10 E. PARKIN

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Sully
2412	39	3441	8	109	18	2	5490	18	7	2 3/8	55120	50	46		4

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	6 3/4	WESTDRILL		71A49	10	76	4	8									

MUD	12 m	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m	2 a.m.	4 a.m.	6 a.m.	PUMP	12 m	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	93	93	12	12											112076	11887
VISCOSITY	39	39	35	38											12076	11887
GEL															3009	3787
W.L.	9.1	FC 4/32	pH 9		DESILTER: Hours Op: 0	U. Flow 9.5	O. Flow 11								1394	1378
ADDITIVES:	GEL #1200 lbs Kadrill #8 lbs															
GENERAL:	MIXER															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet of Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Spool
18	1 1/2	WESTDRILL	0-1135	8		103	3370	65	65	9187	1-11-71	9800	568

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Sully
2441	27	2468	7 3/4	106	17		5490	18	7	2 3/8	55120	50	46		8

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	6 3/4	WESTDRILL		71A49	10	76	56	13 3/4			2	800	56				

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	73	72	93	93											112084	11887
VISCOSITY	41	40	40	40											12084	11887
GEL															3004	3287
W.L.	7.4	FC 7	pH 10		DESILTER: Hours Op:	U. Flow	O. Flow								1402	1378
ADDITIVES:	CAL-50															
GENERAL:	Glycol oil #1 plant MOTOR															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet of Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Spool
18	1 1/2	WESTDRILL	0-1135	8		233	3370	65	65	10-1-71	2295		573

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Sully
2466	4	2472	1 1/4	9800	20	2	5490	7	7 1/8	55120					9

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	6 3/4	WESTDRILL		71A49	10	76	60	17			2	800	56				
2	4	XIG 2 1/2 - 1/4		37244	15	110		39	1 1/2	2	1770	62					

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	93	93													12092	11887
VISCOSITY	42	42													12092	11887
GEL															3004	3287
W.L.	10.2	FC 4/32	pH 10		DESILTER: Hours Op:	U. Flow	O. Flow								1410	1378
ADDITIVES:	Cut 60 feet of Core Rec. 60 feet.															
GENERAL:	MIXER															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet of Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet on Spool
18	1 1/2	WESTDRILL	0-1135	8	1	64	7734	65	65	9187	1-1-72		2713

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & Mat. Chkd	Fuel on Hand 12 OI a.m.	CASING REPORT	RAN	STS	CSG	NET
Hydril					4	3390 gals					
Pipe Rams											
Blind Rams											
TOTCO RING ON BIT	0-1/2	Barrier Operated									
FUEL USED						1172 gals					
CEMENT RETURNS											

LOCATION: CHEVRON SOURCE - WINE E LINE CRT N-16°-57-57' W-132°-55'-22" SEC TWP RGE A DATE: 12/10/11
 HALL NO: PARKIN 4000 SHIPPING POINT: PARKIN 4000 MILES MOVED: 0 ROAD CONT'DIONS: ROUGH DAYS FROM SPUD: 11

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. up on Kelly	
2	5490	18	7	2 3/8	551.20	50	46	64	7	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8									IN

REMARKS			TIME		
Cut CORE # 3			START	STOP	INVT
			1:00	7:00	8:00

PUMP		MOTOR HOURS		Next Oil Change
No. 2	300	112076	11887	
MODEL	56	2	12076	11887
	5 1/2 x 1 1/4	3	3009	5987
U. Flow	9.5	4	1394	1378
O. Flow	1.1	5	3809	3959
SURVEYS		Weather		Water
At Feet	Degrees	Temp	SD	Bbls
0185	178			

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet up on Spool
9370	65	65	9187	1-12-11	9600	268

FIRES: NIL DRILLER'S SIGNATURE: [Signature]

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. up on Kelly	
56	5490	18	7	2 3/8	551.20	50	46	64	8	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
56	15:34			2	800	56				10

REMARKS			TIME		
Cut CORE # 3			START	STOP	INVT
By Spool			4:00	9:00	14
Cutting Core # 2			9:00	4:00	62

PUMP		MOTOR HOURS		Next Oil Change
No. 2	300	112084	11887	
MODEL	56	2	12084	11887
	5 1/2 x 1 1/4	3	3004	3287
U. Flow	50	4	1402	1378
O. Flow		5	3612	3958
SURVEYS		Weather		Water
At Feet	Degrees	Temp	21	Bbls

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet up on Spool
9370	65	65	1187	10-1-72	9600	273

FIRES: NIL DRILLER'S SIGNATURE: [Signature]

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. up on Kelly	
60	5490	18	7	2 3/8	551.20	50	46	64	9	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
60	17			2	800	56				9
				3	1770	62				9

REMARKS			TIME		
Core # 2			START	STOP	INVT
Hard Core Interval			5		
Stuck			7		14
Pressure Increase			7		11

PUMP		MOTOR HOURS		Next Oil Change
No. 2	300	112092	11887	
MODEL	56	2	12092	11887
	5 1/2 x 1 1/4	3	3004	3287
U. Flow	10 feet	4	1410	1378
O. Flow		5	3820	3958
SURVEYS		Weather		Water
At Feet	Degrees	Temp	48	150 Bbls
1187	178			

Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Feet up on Spool
9434	65	65	9187	10-1-72	9600	293

FIRES: NIL DRILLER'S SIGNATURE: [Signature]

CASING REPORT		RENTAL EQUIPMENT ON HAND	
Fuel on Hand 12:01 a.m.	3290 gals.	RAN	JTS
Fuel Rec'd Today (total)		CSG	
TOTAL		TO	AB USED
Fuel on Hand 12:59 p.m. (product)	2166 gals.	SA	CEM
FUEL USED	1122 gals.	PLUS	FLGS DOWN
		CEMENT RETURNS (YES/NO)	A.M. P.M.
			DAYS FROM SPUD:
			EQUIPMENT CHANGES

TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
11 HRS	11 HRS
Approved by Operator's Representative	
Approved by Toolpusher	

GP 0438

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

WELL NO. **90** MILES W **PARKIN** LOCATION **CHEUKON** **SOME** W.M. - **E. PARKIN**
 HOLE NO. **15** LOCATION **CHEUKON** **SOME** W.M. - **E. PARKIN**
 HOLE NO. **15** LOCATION **CHEUKON** **SOME** W.M. - **E. PARKIN**

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
3906	4	1910	1/2	109	19	1	5490	18	7	2 1/2	5'-24"	20	46		23

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3RK	8 3/4	NIG	3-10	77249	6-16	70	4	1/2	1		2	1600	64		3	1	1

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					12065	11879
VISCOSITY					MODEL					MODEL					22054	11879
GEL															32980	2979

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						41378	1372	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Spool
1/2 WRIGHT			D-1135	8			7187	65	65	77-2-18-71		

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2410	1	2411		160			5490	18	7	2 1/2	5'-24"	20	46		25

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2RK	8 3/4	NIG	2-10	77244											3	1	1

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					12060	11887
VISCOSITY					MODEL					MODEL					22060	11887
GEL															32988	2987

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						41386	1378	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Spool
1/2 WRIGHT			D-1135	8	1	8	7267	15	15	77-2-18-71		

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2419				10600	18	2	5490	18	7	2 1/2	5'-24"	20	46		26

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2	6 3/4	W	WES/DRILL	71A-49													

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					12068	11887
VISCOSITY					MODEL					MODEL					22068	11887
GEL															32996	2987

W.L.	FC	pH	DESILTER: Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees
						41396	1378	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Spool
1/2 WRIGHT			D-1135	8	1/2	103	9370	65	65	77-2-18-71		

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown or Make	Fuel on Hand 12:01 a.m.	CASING REPORT	RAN	ITS	CSG	TEST
						4277					

5 LOCATION CHEUKON SOME WIM-E. AREA 46-57-11-137-36-58
 HALLING POINT TARKIN YUKON SHEEDING POINT TARKIN YUKON ALLES MOVED 50 ROAD CONDITIONS ROUGH DAYS FROM SPUD

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	C.B. Ft.	Feet on Spool	
1	5490	18	7	7 1/2	55-11-50	46			23	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	1/2	1		2	1600	64		3	1	1

PUMP		MOTOR HOURS	
No. 2	PREL. SURVEY	1205	11879
MODEL	Y.M.	212054	11879
		32980	2979
SURVEYS		SURVEYS	
U. Flow	O. Flow	At Feet	Degrees
		1378	1370
		53780	3950
Temp. 65-		Bbls	
Total Miles		Feet on Spool	
7187	65	65	77

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	C.B. Ft.	Feet on Spool	
1	5490	18	7	7 1/2	55-11-50	46			25	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
								3	1	1
PUMP		MOTOR HOURS								
No. 2	PREL. SURVEY	12060	11887							
MODEL	Y.M.	212060	11887							
		32988	2987							
SURVEYS		SURVEYS								
U. Flow	O. Flow	At Feet	Degrees							
		1386	1378							
		53788	3958							
Temp. 58-		Bbls								
Total Miles		Feet on Spool								
7267	65	65	77							

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub Wt.	C.B. Ft.	Feet on Spool	
2	5490	18	7	7 1/2	55-11-50	46			33	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
PUMP		MOTOR HOURS								
No. 2	PREL. SURVEY	12068	11887							
MODEL	Y.M.	212068	11887							
		32996	2987							
SURVEYS		SURVEYS								
U. Flow	O. Flow	At Feet	Degrees							
		1386	1378							
		53796	3958							
Temp. 48-		Bbls								
Total Miles		Feet on Spool								
9370	65	65	77							

FUEL USED		CEMENT RETURNS	
3340	737	(YES/NO)	

REMARKS	START	STOP	INTEL
SEWING 300	12:00	1:15	1/2
R.G. SEWING 300	1:15	1:45	1/2
RUN IN	1:45	3:45	2
DRILL 1 FOOT	3:45	4:15	1/4
REIN 1 FOOT	4:30	5:00	1/2
CIRC & WORK JUNK SUB	5:00	5:30	1/2
BLOW MUD	5:50	7:20	2
CLEAN JUNK SUB	7:30	8:00	1/2

REMARKS	START	STOP	INTEL
DRILL 1 FOOT	9:30	10:15	3/4
R.G. SEWING 300	10:15	10:30	1/4
HOIST JUNK SUB	10:30	10:45	1/4
CLEAN T JUNK SUB	10:45	11:00	1/4
SLIP CUT 65 D/HING	11:00	11:30	3/4
WAIT FOR MAGNET	11:30	3:30	2
MAKE UP MAG JUNK SUB	3:30		
ERB			1/2

REMARKS	START	STOP	INTEL
DRILL 1 FOOT	4:50	5:00	1/4
R.G. SEWING 300	5:00	5:30	1/2
DRILL 1 FOOT	5:30	5:45	1/4
R.G. SEWING 300	5:45	6:30	3/4
BLOW MUD	6:30	7:00	1/4
CLEAN T JUNK SUB	7:00	7:15	1/4
PICK UP CIRC 174 + SEWING	7:15	7:45	3/4
MAKE UP 24" LITHIUM JUNK SUB	7:45	11:15	1 1/2
CIRC 174 + WORK SAME	11:15	12:00	3/4

FUEL USED		CEMENT RETURNS	
3340	737	(YES/NO)	

GP 0487

GENERAL PETROLEUMS DRILLING
DAILY DRILLING LOG
 DIRECTIONS TO WELL

ROUND 15

LOCATION: CHEEKMAN WELLS UNIT - 2000

90 miles W. Parkin

MAKIN PARKIN JUNCTION

From	Footage	To	Hrs on Bot. 2m	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B. Ft	ft on Kelly		
2300	15	2905		104	18	1	5410	18	7	2 1/2	300	3	46		3		
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
CH 2 1/2	3/4	W	WESTERN	71A-72	12	80	60	18			2	850	56		816		gold

MUD				PUMP				PUMP				MOTOR HOURS					
12 mn	2 am	4 am	6 am	12 mn	2 am	4 am	6 am	12 mn	2 am	4 am	6 am	1203	1197	1203	1197	1203	1197
WEIGHT	79	70	74	No. 1				No. 2				1204	1189	1204	1189	1204	1189
VISCOSITY	47	45	42	MODEL				MODEL				21204	1197	21204	1197	21204	1197
GEL												32956	2979	32956	2979	32956	2979
W.L.	12.4	F.C.	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS	At Feet	Degrees		41368	1370	41368	1370	41368	1370
ADDITIVES: Cut 60# of Core (Rec. 60 feet.) Core #2																	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip or Cut	At Miles	Date Slip or Cut	Next Slip	ft on Seal
1 1/2	WRBAY		1-135	8	1	42	7157	65	65	7757	1-1571	8300

B.O.P.	Tested	Elapsed Time	Pressure	Parking & Seal Inspected Date	Crown a.m.c. Chkd	Fuel on Hand 12 01 a.m.	CASING REPORT
	Checked					449	RAN
Hydral							ITS
Pipe Rams							CSG
Blind Rams							FLY
TOTCO RING ON BIT = 2						Boiler Operated: 24	Hrs
						FUEL USED	572
						CEMENT RETURNS	(YES/NO)

LOCATION: CHEVRON WASH NON-ETIMS #11-66-2712-117-57-50
 MAP: PARKIN JUKON
 DATE: JANUARY 7

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Kelly	
1	5470	18	7	2 3/4	300	50	46		5	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
60	18			2	850	56				Big good

REMARKS			TIME		
START	STOP	INVT	START	STOP	INVT
12:00	9:00	1 1/2			
4:00	5:15	1/4			
5:00	5:15	1/4			
5:15	6:00	1/2			
6:00	7:30	1/2			
7:30					

PUMP		MOTOR HOURS	
No. 2	PREV. WIKI	112032	11878
56	56	212032	11878
56	56	32956	2979
SURVEYS		SURVEYS	
At Feet	Degrees	At Feet	Degrees
2185	113	41368	1370
5	3758	5	3950

REMARKS		
LAST 2 CORE		
RECOVERY CORE #2		
STAND		
PULL A ONE STAND		
COLLARS MADE A BIT		

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Kelly	
1	5490	18	7	2 3/4	550	50	46		0	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1			2				0		1

REMARKS			TIME		
START	STOP	INVT	START	STOP	INVT

PUMP		MOTOR HOURS	
No. 2	PREV. WIKI	12040	11879
60	60	212040 <td>11879</td>	11879
60	60	32964 <td>2979</td>	2979
SURVEYS		SURVEYS	
At Feet	Degrees	At Feet	Degrees
		41370	1370
		53764	3950

REMARKS		
MAKE UP		
STAND		
MAKE UP		

Fuel on Hand 12:01 a.m.	499.9	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Fuel Rec'd Today (add)			TO	KB USED	SAX	CEM	
TOTAL		PLUS	FEEL DOWN	A.M.	P.M.	DAYS FROM SPUD.	TOTAL COMPANY TIME
Fuel on Hand 5:59 p.m. (deduct)	41.77	CEMENT RETURNS	(YES/NO)	EQUIPMENT CHANGES		Approved by Operator's Representative	TOTAL CONTRACTOR'S TIME
FUEL USED	572					Approved by Toolpusher	HRS

GP 0486

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

10 MILES W. PARKIN

15 LOCATION CHEVRON SUBC-WME PINE LAKE

PARKIN YUKON PARKIN YUKON

V-2662-57-111

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2309	11	2345	4	178	19	2	410	18	7	4 1/2	52.05	74			

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2309	4 3/4	X16	7-18	77297		76	101	5 1/4			2	1600	62		4	2	1

MUD	12m	2am	4am	6am	PUMP	12m	2am	4am	6am	PUMP	12m	2am	4am	6am	MOTOR HOURS	Next Change	
WEIGHT	95	75			No. 1					No. 2					12008	11878	
VISCOSITY	40	90			MODEL					MODEL					212008	11878	
GEL															3	2932	2974
W.L.	10	FC	42	pH 1.5	DESILTER	Hours Op	U Flow	O Flow		SURVEYS	At Feet	Degrees		4	1362	1370	
ADDITIVES:	901-5001b RAPIDRILL 2lb.														5	3737	3950

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Stop or Cut	Next Stop	Fr. on
1 1/2	W.P.	SH	D-1135	8	1	45	70	6	65	7-22-14	7:30	8:30	2

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2345	18	2363	5 3/4	178	19	1	510	18	7	4 1/2	52.05	74			

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2345	6 1/2	Q	WEST	71A-42-12	80	18	5 3/4				2	800	56				

MUD	8am	10am	12noon	2pm	PUMP	8am	10am	12noon	2pm	PUMP	8am	10am	12noon	2pm	MOTOR HOURS	Next Change	
WEIGHT	75	75			No. 1					No. 2					12016	11878	
VISCOSITY	36	36			MODEL					MODEL					212016	11878	
GEL															3	2940	2974
W.L.	10.4	FC	3/32	pH 9.6	DESILTER	Hours Op	U Flow	O Flow		SURVEYS	At Feet	Degrees		4	1370	1370	
ADDITIVES:	GLAND Packing #1 GENERAL LINER LAP BASKET #2 GEL 2000 CASIOLIC 50 RAPIDRILL 8														5	3742	3950

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Stop or Cut	Next Stop	Fr. on
1 1/2	W.P.	SH	D-1136	8	1	45	70	6	65	7-22-14	7:30	8:30	2

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2363	27	2390	7 1/4	101	15	1	540	18	7	4 1/2	52.05	74			

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2363	6 3/4	Q	WEST	71A-42	12	80	4 5/8	1 1/2			2	850	56				

MUD	4am	6am	8am	10pm	PUMP	4am	6am	8am	10pm	PUMP	4am	6am	8am	10pm	MOTOR HOURS	Next Change	
WEIGHT	95	94	94	94	No. 1					No. 2					12024	11878	
VISCOSITY	45	44	44	44	MODEL					MODEL					212024	11878	
GEL															3	2948	2974
W.L.	10.4	FC	3/32	pH 9.6	DESILTER	Hours Op	U Flow	O Flow		SURVEYS	At Feet	Degrees		4	1370	1370	
ADDITIVES:	800 GEL 4" RAPIDRILL														5	3750	3950

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Stop or Cut	Next Stop	Fr. on
1 1/2	W.P.	SH	D-1136	8	1	45	70	6	65	7-22-14	7:30	8:30	2

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected	Crown & Main Chkd.	Rig Safety Chkd.	Key Chkd.	Flow Chkd.	Fuel on Hand	Fuel Re-d Total	TOTAL	18 USED	SAY	LEM	AM	PM	DAYS
									4-1	4-1	4-1						

TOTCO RING ON BIT	Boiler Operated	Hrs	FUEL USED	CEMENT RETURNS	YES	NO
		24	15.86			

N 266° 57' 33" W - 127° 53' 50" E

LOCATION CHEVRON SUBC-WM E. PINE CREEK SEC. 10 T. 14 N. R. 10 E. DATE JANUARY 8 1971
 MAILING POINT PARKIN YUKON DIST. NO. 10 PARKIN YUKON MILES 50 ROAD CONDITIONS ROUGH DAYS FROM SPUD

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on	
2	18 7	2 1/2	50	46	50	76			28	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
101	5 1/4			2	1600	62		9	2	1
PUMP			12 m	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS			Next Oil Change
No. 2	1600	1100	1100	1	12008	11878				
MODEL	62	62	62	2	12008	11878				
U. Flow	O. Flow	SURVEYS		At Feet	Degrees					
				4	1362	1370				
				5	3739	3950				
Weather		Water		Temp. -80		Rbl.				
Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Spool				
9059	65	65	7752	1-18-71	8300	2623				

REMARKS
 Drill 18 7 2 1/2
 S.G. SERVICE 1 B.
 Drill 5 1/4
 Circ
 Kelly Hose & FILLING LINE
 HOIST out of the HOLE
 Pack
 Borehole
 FIRES
 DRILLER'S SIGNATURE

TIME
 START STOP INTVL
 12:00 2:30 2 1/2
 2:45 4:15 1 3/4
 4:30 5:15 45
 5:30 6:15 45
 6:30 7:15 45
 7:30 8:15 45
 8:30 9:15 45
 9:30 10:15 45
 10:30 11:15 45
 11:30 12:15 45

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on	
1	18 7	2 3/8	51	44	51	46			18	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
18	5 3/4			2	800	56		1	W	
PUMP			8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS			Next Oil Change
No. 2	800	11878	11878	1	12016	11878				
MODEL	56	11878	11878	2	12016	11878				
U. Flow	O. Flow	SURVEYS		At Feet	Degrees					
				3	2940	2974				
				4	1370	1370				
				5	3742	3950				
Weather		Water		Temp 65		Rbl.				
Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Spool				
9100	65	65	7752	1-14-71	8300	2623				

REMARKS
 Run to 10' / 10' 30" 30" 30"
 Core 10' / 10' 30" 30" 30"
 Rg. Service 10' 30" 30" 30"
 Put in Core 10' 30" 30" 30"
 FIRES
 DRILLER'S SIGNATURE

TIME
 START STOP INTVL
 8:30 9:15 45
 9:30 10:15 45
 10:30 11:15 45
 11:30 12:15 45

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on	
1	18 7	2 3/8	51	50	51	46			23 1/2	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
45	12 1/2			2	850	56				
PUMP			4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS			Next Oil Change
No. 2	850	11878	11878	1	12084	11878				
MODEL	56	11878	11878	2	12024	11878				
U. Flow	O. Flow	SURVEYS		At Feet	Degrees					
10.1	9.4			3	2998	2974				
				4	1370	1370				
				5	3750	3950				
Weather		Water		Temp 55		Rbl.				
Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Fr. on Spool				
9100	65	65	7752	1-18-71	8300	2623				

REMARKS
 Pressure
 Cementing
 FIRES
 DRILLER'S SIGNATURE

TIME
 START STOP INTVL
 1:00 1:50 50
 1:55 2:45 50
 2:50 3:40 50
 3:45 4:35 50
 4:40 5:30 50
 5:35 6:25 50
 6:30 7:20 50
 7:25 8:15 50
 8:20 9:10 50
 9:15 10:05 50
 10:10 11:00 50
 11:05 11:55 50
 12:00 12:50 50

FUEL ON HAND 12:01 a.m.		CASING REPORT		EQUIPMENT ON HAND		TRANSFER	
60	29	RAN	JTS	CSG			
TOTAL		TO	KB USED	SAZ	CEM		
FUEL USED 1586		PLUS	PLC	DO	A.M.	DAYS FROM SPUD	TOTAL COMPANY TIME
CEMENT RETURNS (YES/NO)		EQUIPMENT CHANGES		HRS		TOTAL CONTRACTOR'S TIME	
						APPROVED BY OPERATOR'S REPRESENTATIVE	
						APPROVED BY TOOLPUSHER	



GP 1685

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

DATE 15 LOCATION HEKON - BC WAKE PINE CR V-46-37-55
90. MILES W. PARKIN PARKIN YUKON PARKIN YUKON

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2206	27	233	7	1000	16	2	5470	18	7		259				12

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
CHI 63/0			WEST DRILL	71A-72	12	76	99	15			2	400	56				IN

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
WEIGHT	47	96	15	14	No. 1					No. 2	100	100	500	450	11989	11878

ADDITIVES:	GENERAL:
1" stream of water	
Sel 1500	Rapidhill 616

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot Per Cut	At Miles	Date Slip or Cut	Next Slip	Fr. In Sp.
12	41/2		2-1135	8			1009		6	773	1-15-77		15

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2233	11	2244	2	1000	2	2	5470	18	7		238				17

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
CHI 63/0			WEST DRILL	71A-42	12	76	180				2	400	56				

MUD	8 am	10 am	12 noon	2 am	PUMP	8 am	10 am	12 noon	2 am	PUMP	8 am	10 am	12 noon	2 am	MOTOR HOURS	Next Change
WEIGHT	45	74			No. 1					No. 2					11942	11877

ADDITIVES:	GENERAL:
1/2" stream of water	GEL
FULL REC 60 FEET CORE #1	

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot Per Cut	At Miles	Date Slip or Cut	Next Slip	Fr. In Sp.
12	41/2		2-1135	8			7057		5	773	1-15-77		15

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on
2744	60	2304	2 1/2	1000	18		5470	18	7		256				26

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2	7 1/4	16	1/4	22241	20	140	60	2 1/2			1	1700	62				

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Change
WEIGHT	44	74			No. 1					No. 2					12000	11818

ADDITIVES:	GENERAL:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Foot Per Cut	At Miles	Date Slip or Cut	Next Slip	Fr. In Sp.
12	41/2		2-1135	8			7057		5	773	1-15-77		15

B.O.P.	Tested	Classified	Pressure	Paraging & Seal Injected Date	Crown & Seal Checked	Fuel on Hand 12:01 a.m.	6:00	CASING REPORT	PAN	15	CSG

TOTCO RING ON BIT = 2 Boiler Operated 24

LOCATION HEKON SUBC W N E PINE CRK N-46-57-53-1017-54-54 DATE JAN 1
PARKIN YUKON SHEDDING PARKIN YUKON MILES 20 ROAD CONDITIONS ROUGH DAYS FROM SPUD

Singles	DRILL COLLARS	No	OD	ID	Length	Air Wt	Sub. Wt	CB Ft	Fr. Loss	
2	5470	18	7	2 1/2	557 1/4				13	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
79	15			2	900	56			1W	

PUMP				MOTOR HOURS				Next Change
No 2	100	100	350	350	1	11989	11878	
MODE	58	58	56	56	2	11989	11808	
700	58	58	56	56	3	2908	2979	

SURVEYS		At Feet	Degrees
4	1362	1370	
5	3710	3950	

Weather: 2185 1/8 Water: 5

REMARKS	TIME		
	START	STOP	INVL
Cut #1 core	10:00	10:15	15

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Loss on Slip
009	63	63	775	1-18-11	800	5.7

Singles	DRILL COLLARS	No	OD	ID	Length	Air Wt	Sub. Wt	CB Ft	Fr. Loss	
2	5470	18	7	2 1/2	557 1/4				13	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
18				2	900	56				

PUMP				MOTOR HOURS				Next Change
No 2	100	100	350	350	1	11992	11977	
MODE	58	58	56	56	2	11992	11977	
700	58	58	56	56	3	2916	2974	

SURVEYS		At Feet	Degrees
4	1370	1370	
5	3718	3950	

Weather: 2185 1/8 Water: 5

REMARKS	TIME		
	START	STOP	INVL
2-11-11	10:00	10:15	15

DRILLER'S SIGNATURE: _____

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Loss on Slip
024	66	66	772	1-18-11	800	5.7

Singles	DRILL COLLARS	No	OD	ID	Length	Air Wt	Sub. Wt	CB Ft	Fr. Loss	
2	5470	18	7	2 1/2	557 1/4				13	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
60	23	23	14	1	1700	62				

PUMP				MOTOR HOURS				Next Change
No 2	100	100	350	350	1	12000	11878	
MODE	62	62	62	62	2	12000	11878	
700	62	62	62	62	3	2924	2974	

SURVEYS		At Feet	Degrees
4	1370	1370	
5	3726	3950	

Weather: 2185 1/8 Water: 5

REMARKS	TIME		
	START	STOP	INVL
2-11-11	10:00	10:15	15

DRILLER'S SIGNATURE: _____

Fuel on Hand	12.01 gal	6.77 gal	CASING REPORT	FAN	TS	CSG	RENTAL EQUIPMENT ON HAND
Fuel Rec'd Today							
TOTAL							
Fuel on Hand	19.01 gal	13.54 gal					
FUEL USED	40.02 gal	20.31 gal					

DAYS FROM SPUD	TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME

Approved by Operator's Representative: _____
 Approved by Toolpusher: _____

GP 0236

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 miles W. PARKIN

LOCATION CHEKON 2896
PARKIN

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Ke.
129	55	2184	3	1	16	2	18	7	7 1/8	6 1/2	180	180	180		

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2	8 3/4	H.W.	11P-9	72394	20	70	189	94			2	1900	64				

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
WEIGHT	98	75	75	75	No. 1					No. 2					11960	11878
VISCOSITY	37	37	37	42	MODEL					MODEL					211960	11808
GEL															32884	2974
W.L.	F.C.	pH	DESILTER: Hours Op	U. Flow	O. Flow	SURVEYS	At Feet	Degrees							41354	1370
ADDITIVES:	GEL 2500		GENERAL: CHANGING POP VALVES.		129		178								53686	3950

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Ship	Cut	At Miles	Date	Ship	Cut	At Miles	Date	Ship	Cut
1/2	1/2	WRIGHT	1135	8	1	45	9009	65	65	70	11/17	715	300	285			

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Ke.
2184	22	2206	7	10000	16	1	5-N20	16	7	7 1/8	552	5	48	1465	

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
CHI	6 3/4	W	WEST	71A-12	12	75	22	7			2	925	57				

MUD	4 am	6 pm	8 pm	10 pm	PUMP	4 am	6 pm	8 pm	10 pm	PUMP	4 am	6 pm	8 pm	10 pm	MOTOR HOURS	Next Change
WEIGHT	97	97	97	97	No. 1					No. 2					11976	11878
VISCOSITY	41	42	42	42	MODEL					MODEL					211976	11868
GEL															32860	2974
W.L.	10.0	F.C.	pH 9.5	DESILTER: Hours Op	U. Flow 10.1	O. Flow 9.1	SURVEYS	At Feet	Degrees						41354	1370
ADDITIVES:	1/2 STRENGTH WATER		GENERAL: OVER TIME put on		2184		178								53702	3950

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Ship	Cut	At Miles	Date	Ship	Cut	At Miles	Date	Ship	Cut
1 1/2	1 1/2	WRIGHT	1135	8	1	45	9009	65	65	70	11/17	715	300	285			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown Gate Chk'd	Fuel on Hand 12:01 a.m.	CASING REPORT	RAN	TS	CSG	RENT
H/d		1:00			✓	14470 gal.					
Pipe Rms					✓	6955 gal.					
Blind Rms					✓						
TOTO RING ON BIT	2	Boiler Operated	24	Hrs.	Fuel Equip Chk'd	7114 gal.					

CONSERVATION BOARD COPY

LOCATION: CHEKON 209C W 2 1/2 SE 1/4 Sec 27 T12N R10E W 1/4 NE 1/4
 ROAD NO: PARKIN YARD SHIPPING POINT: KERRVILLE TEXAS TILES MOVED: 50 ROAD CONT: 1000
 DATE: Jul 6 1979

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. L. on Ke.	
2	5-H40	18	7	2 1/2	524	50				
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
189	4 1/2			2	1900	64				

MOTOR HOURS

No. 2 PRES. SURVEY	At Feet	Degrees	Next C. Change
1	11960	11876	
2	11960	11808	
3	2884	2974	
4	1354	1370	
5	3686	3950	

U. Flow: O. Flow: SURVEYS: At Feet: Degrees: 2184 118

Weather: Cloudy Water: Temp: 84 AM 50

REMARKS: Drilled 2 1/2" hole
 Worked on pump & RIG SERVICE (Hanging Head).
 Drilled 2 1/2" hole
 SURVEY (2nd) 2184 118
 KELLY AND PINS
 WORKED ON HANGING HEAD & PUMP

START: 12:00 STOP: 12:30 INTV: 1/2

DRILLER'S SIGNATURE: [Signature]

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. L. on Ke.	
1	5-H40	18	7	2 1/2	524	50				
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MOTOR HOURS

No. 2 PRES. SURVEY	At Feet	Degrees	Next C. Change
1	11968	11878	
2	11968	11808	
3	28		
4			
5			

U. Flow: O. Flow: SURVEYS: At Feet: Degrees: 2184 118

Weather: Cloudy Water: Temp: 50

REMARKS: 1/2" hole
 Pick up Jaws Make up
 CORRECTED
 PUMP

START: 8:00 STOP: 10:00 INTV: 1/2

DRILLER'S SIGNATURE: [Signature]

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. L. on Ke.	
1	5-H40	18	7	2 1/2	524	50	48		1465	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
22	7			2	925	57				

MOTOR HOURS

No. 2 PRES. SURVEY	At Feet	Degrees	Next C. Change
1	11976	11878	
2	11976	11868	
3	2900	2974	
4	1354	1370	
5	3702	3950	

U. Flow: 10.1 O. Flow: 9.7 SURVEYS: At Feet: Degrees: 2184 118

Weather: Cloudy Water: Temp: 57-10

REMARKS: 1/2" hole
 me put on
 blue lighter
 base and draw - water

START: 4:00 STOP: 5:00 INTV: 1/2

DRILLER'S SIGNATURE: [Signature]

Fuel on Hand 12:01 a.m. 14470 gals

Fuel Rec'd Today Today: 3495 gals

TOTAL: 10 gals

Fuel on Hand 10:00 a.m. 7114 gals

700 used Camp -> 1836 gals

CASING REPORT: RAN: 10 CSB USED: 10 AX: 10

FLUG DOWN: YES NO

RENTAL EQUIPMENT ON HAND: TRANSFER: 0

DAYS FROM SPUD: TOTAL COMPANT TIME: HRS

TOTAL CONTRACTOR'S TIME: HRS

Approved by Operator's Representative: [Signature]

Approved by Toolpusher: [Signature]

GP 0483

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

10 MILES W. Park IN

LOCATION SHEKIN 2.80 W. E. PINE CRK
10200 PARKIN RD. W. PARKIN 4420 W

From	Footage	To	Hrs on Bottom	WT Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Log on Sp.		
1805	1-7	193-	6 1/4	1	13	2	5-11 1/2	7	7 3/4	7 1/2	500						
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	H.W	3/9	37-390	10-20	100	10 1/2	2 1/4			2	1800	64				

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
WEIGHT	76	96	96	96	No 1					No 2	1800	1160	110		11996	11878
VISCOSITY	36	38	57	36	MODEL					MODEL	24	60	64		211946	11805
GEL															32868	2972
W.L.	17	FC	30	pH 15	DESILTER	Hours Op.	U. Flow	O. Flow		SURVEYS	At Feet	Degrees		4	1396	1370
ADDITIVES:	RAPIDRILL				GENERAL:				10 1/2				Weather	clear	Water	70

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Sup	Foot of Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Log on Sp.
18	1 1/2	WALSH	0-1135	9			9631	65	65	77	1-11-77	1-11-77	2634

From	Footage	To	Hrs on Bottom	WT Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Log on Sp.		
1932	13	11-5	3	1			5-11 1/2	7	7 3/4	7 1/2	551						
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	H.W	3/9	37240	20	100	11 1/2	3 1/2			2	1600	64		6	4	1
2	8 3/4	H.W	3/9	72244													

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Change	
WEIGHT	76	96			No 1					No 2	1993.97	11934	11874		11934	11874	
VISCOSITY					MODEL					MODEL	211	211954	11809		32876	2974	
GEL															4	1396	1370
W.L.	FC		pH	DESILTER	Hours Op.	U. Flow	O. Flow			SURVEYS	At Feet	Degrees		5	3670	3950	
ADDITIVES:	GEL 1000				GENERAL:				JUNK SUB				Weather		Water		
	RAPIDRILL 4 1/2				Bit # 1 out @ 1995				3.06				Temp				

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Sup	Foot of Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Log on Sp.
19	1 1/2	WALSH	0-1135	9			1009	65	65	77	1-30-77	1-30-77	2634

From	Footage	To	Hrs on Bottom	WT Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Log on Sp.		
1995	13 1/2	2129	6 1/4	98	16		5-11 1/2	8	7 3/4	7 1/2	551						
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
2	8 3/4	NIG	2-10-19	72244	20	100	13 1/2	6 1/4			2	1300	64				

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Change	
WEIGHT	95	73	5		No 1					No 2	120	11962	11878		11962	11878	
VISCOSITY	35	37	39		MODEL					MODEL	24	21962	11805		32884	2971	
GEL															4	1346	1370
W.L.	FC		pH	DESILTER	Hours Op.	U. Flow	O. Flow			SURVEYS	At Feet	Degrees		5	3678	3950	
ADDITIVES:	1000 GEL				GENERAL:				Work on motor				Weather		Water		
	4" RAPID GEL				Work on motor				1962				Temp	55	110		

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Sup	Foot of Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Log on Sp.
19	1 1/2	WALSH	0-1135	9			5067	65	65	77	1-30-77	1-30-77	2634

B.O.P.	Tested	Elased	Prev	Packing & Seal	Crown or mat	Fuel on Hand 12:01 am	8955	CASING REPORT		RAN	TS	CSG	NET
Hydral	checked	type	sure	Inspected Date	Chk d	Fuel Rec'd Today (last)		TOTAL	AB. USED	AT	CEM	DAYS	
Pipe Rams						Fuel on Hand 12:59		PLUS	FLUC	AM	F.M.	DAYS	
Blind Rams									DOW				
TOTCO RING ON BIT	2	Boiler Operated	24	Hrs	Chk d	FUEL USED		CEMENT RETURNS (YES/NO)					



LOCATION CHEVRON JBC W.M. E. PINE CRK. LSD SEC 1 TWP RGE W DATE 11/11/87
 TAILING POINT PARKIN YUKON SHIPPING POINT PARKIN YUKON MILES MOVED 50 ROAD CONDITIONS Rough DAYS FROM SPUD

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Keel	
2	5-10	18	7	7 1/2	551				0	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1088	3:24			2	1800	64			14	
4 am	6 am	PUMP		12 mn	2 am	4 am	6 am	MOTOR HOURS		Next O. Change
		No. 2	1800	14	1600	10	1	11976	11878	
		MODEL	64	64	64	64	2	11946	11808	
			5 1/2	14			3	2868	2974	
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		
				4		1346		1370		
				5		3662		3950		
				Weather		clear		Water		
				Temp.		70				
Total Miles	Ship	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. up on Spec.				
8031	65	65	775	1-11-77	1300	239				

REMARKS	START	STOP	INTVL
Drill	1:00	3:00	2:00
Drill	3:00	3:45	0:45
Drill	3:45	4:15	0:30
Drill	4:15	5:00	0:45
Drill	5:00	6:00	1:00
Drill	6:00	6:30	0:30
Drill	6:30	7:00	0:30

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Keel		
1	5-10	18	7	7 1/2	551				47		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
1195	3:24			2	1800	64			6	4	1
12 noon	2 am	PUMP		12 mn	2 am	4 am	6 am	MOTOR HOURS		Next O. Change	
		No. 2	1800	14	1600	10	1	11934	11878		
		MODEL	64	64	64	64	2	11954	11808		
			5 1/2	14			3	2876	2974		
U. Flow		O. Flow		SURVEYS		At Feet		Degrees			
				4		1396		1370			
				5		3670		3950			
				Weather		clear		Water			
				Temp.		70					
Total Miles	Ship	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. up on Spec.					
1069	65	65	775	1-11-77	1300	239					

REMARKS	START	STOP	INTVL
Drilling	6:00	7:00	1:00
Drilling	7:00	7:30	0:30
Drilling	7:30	8:00	0:30
Drilling	8:00	8:30	0:30
Drilling	8:30	9:00	0:30
Drilling	9:00	9:30	0:30
Drilling	9:30	10:00	0:30
Drilling	10:00	10:30	0:30
Drilling	10:30	11:00	0:30
Drilling	11:00	11:30	0:30
Drilling	11:30	12:00	0:30

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Keel	
1	5-10	18	7	7 1/2	551				74	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
134	6:14			2	1300	64				
5 am	10 pm	PUMP		4 pm	6 pm	8 am	10 am	MOTOR HOURS		Next O. Change
		No. 2	1300	12	1200	12	1	11962	11878	
		MODEL	64	64	64	64	2	11962	11808	
			7	14			3	2884	2974	
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		
				4		1346		1370		
				5		3678		3950		
				Weather		clear		Water		
				Temp.		70				
Total Miles	Ship	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. up on Spec.				
1067	65	65	775	1-11-77	1300	239				

REMARKS	START	STOP	INTVL
Drilling	1:00	1:10	0:10
Drilling	1:10	1:20	0:10
Drilling	1:20	1:30	0:10
Drilling	1:30	1:40	0:10
Drilling	1:40	1:50	0:10
Drilling	1:50	2:00	0:10
Drilling	2:00	2:10	0:10
Drilling	2:10	2:20	0:10
Drilling	2:20	2:30	0:10
Drilling	2:30	2:40	0:10
Drilling	2:40	2:50	0:10
Drilling	2:50	3:00	0:10
Drilling	3:00	3:10	0:10
Drilling	3:10	3:20	0:10
Drilling	3:20	3:30	0:10
Drilling	3:30	3:40	0:10
Drilling	3:40	3:50	0:10
Drilling	3:50	4:00	0:10
Drilling	4:00	4:10	0:10
Drilling	4:10	4:20	0:10
Drilling	4:20	4:30	0:10
Drilling	4:30	4:40	0:10
Drilling	4:40	4:50	0:10
Drilling	4:50	5:00	0:10
Drilling	5:00	5:10	0:10
Drilling	5:10	5:20	0:10
Drilling	5:20	5:30	0:10
Drilling	5:30	5:40	0:10
Drilling	5:40	5:50	0:10
Drilling	5:50	6:00	0:10
Drilling	6:00	6:10	0:10
Drilling	6:10	6:20	0:10
Drilling	6:20	6:30	0:10
Drilling	6:30	6:40	0:10
Drilling	6:40	6:50	0:10
Drilling	6:50	7:00	0:10
Drilling	7:00	7:10	0:10
Drilling	7:10	7:20	0:10
Drilling	7:20	7:30	0:10
Drilling	7:30	7:40	0:10
Drilling	7:40	7:50	0:10
Drilling	7:50	8:00	0:10
Drilling	8:00	8:10	0:10
Drilling	8:10	8:20	0:10
Drilling	8:20	8:30	0:10
Drilling	8:30	8:40	0:10
Drilling	8:40	8:50	0:10
Drilling	8:50	9:00	0:10
Drilling	9:00	9:10	0:10
Drilling	9:10	9:20	0:10
Drilling	9:20	9:30	0:10
Drilling	9:30	9:40	0:10
Drilling	9:40	9:50	0:10
Drilling	9:50	10:00	0:10
Drilling	10:00	10:10	0:10
Drilling	10:10	10:20	0:10
Drilling	10:20	10:30	0:10
Drilling	10:30	10:40	0:10
Drilling	10:40	10:50	0:10
Drilling	10:50	11:00	0:10
Drilling	11:00	11:10	0:10
Drilling	11:10	11:20	0:10
Drilling	11:20	11:30	0:10
Drilling	11:30	11:40	0:10
Drilling	11:40	11:50	0:10
Drilling	11:50	12:00	0:10

Fuel on Hand 12:01 a.m.	8955 gals.	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER #
Fuel Rec'd Today (add)	12 gals.						
TOTAL	gals.						
Fuel on Hand 11:59 p.m. (deduct)	gals.						
FUEL USED	gals.						
		CEMENT RETURNS (YES/NO)					

EQUIPMENT CHANGES	A.M. P.M.	DAYS FROM SPUD	TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
Approved by Operator's Representative			HRS.	
Approved by Toolpusher			HRS.	

GP 3482

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

WELL NO. 15 LOCATION: *W. PARKER* DATE: *10/18/71*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kell.
982	254	1236	5 1/2	10	6	-	DRILL COLLARS	7	7 1/8	5.511					

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3/9	37240	15-20	70/100	392	9 1/2									

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next O. Change
WEIGHT	12	12	12	12	No. 1	12	12	12	12	No. 2	12	12	12	12	1	11876
VISCOSITY	24	24	24	24	MODEL	24	24	24	24	MODEL	24	24	24	24	2	11808
GEL															3	11774

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. up on Spec.
1170	1 1/2	WRIGHT	0-1135	8	8	175	175	6	6	175	10-18-71	1300	6434

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kell.
1236	327	1563	6 1/4	10	10	-	DRILL COLLARS	7	7 1/8	5.511					

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3/9	37240	15-20	100	719	16 1/2			1	1400	64				

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next O. Change
WEIGHT	8.7	8.7	8.7	8.7	No. 1	8.7	8.7	8.7	8.7	No. 2	8.7	8.7	8.7	8.7	1	11930
VISCOSITY	35	40	40	38	MODEL	35	40	40	38	MODEL	35	40	40	38	2	11730
GEL															3	11729

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. up on Spec.
114	1 1/2	WRIGHT	0-1135	8	8	303	303	6	6	303	10-18-71	1300	6434

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. up on Kell.
1563	242	1805	6 1/4	10	12	1	DRILL COLLARS	7	7 1/8	5.511					

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3-9	37240	15-20	70/100	961	22 1/2			2	1800	64				

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next O. Change
WEIGHT	7.7	8.4	8.4	8.4	No. 1	7.7	8.4	8.4	8.4	No. 2	7.7	8.4	8.4	8.4	1	11938
VISCOSITY	37	36	36	36	MODEL	37	36	36	36	MODEL	37	36	36	36	2	11938
GEL															3	11760

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. up on Spec.
114	1 1/2	WRIGHT	0-1135	8	8	303	303	6	6	303	10-18-71	1300	6434

B.O.P.	Tested	Clasped Time	Pressure	Packing & Seal Inspected Date	Crown a.m.c. Chk'd	Fuel on Hand 12 01	gals	FUEL USED	gals	CEMENT RETURNS (YES/NO)
					<input checked="" type="checkbox"/>	59	420	2		

Hydral	Power Rams	Blind Rams	TO	KB USED	PLUG DOWN	A.M.P.M.	DAYS F.

LOCATION HARRIS 5030 W. H. A. 2, 1/2 SEC W TWP RGE W DATE 10/14
 SHIPPING POINT PARKIN MILES MOVED 20 ROAD CONDITIONS Good DATE FROM SPUD

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
	5 7/8	18	7	2 1/8	55124					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
392	9 1/2				550	65			IN	
PUMP				MOTOR HOURS				Next Oil Change		
No. 2	PRE-SURE			1	11122	11878				
MODEL	S.P.M.			2	11922	11808				
LINER SIZE				3	2846	2974				
SURVEYS				At Feet			Degrees			
U. Flow	O. Flow			4	1322	1370				
				5	3038	3950				
Weather				Clear			Water			
Temp.				45-			200			
Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft Left on Spool				
5031	65	65	170	1-18-71	1300	2634				

REMARKS		TIME		
START	STOP	INTVL		
12:00	1:00	1	Drilling	
1:20	2:00	2	Drilling	
2:00	2:40	3	Drilling	
2:40	3:00	4	Drilling	
3:00	3:50	5	Drilling	
3:50	4:00	6	Drilling	

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
	5 7/8	18	7	2 1/8	55111					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
719	10 1/2			1	1400	64			DRILLING	
PUMP				MOTOR HOURS				Next Oil Change		
No. 2	PRE-SURE			1	11930	11878				
MODEL	S.P.M.			2	11930	11808				
LINER SIZE				3	2852	2974				
SURVEYS				At Feet			Degrees			
U. Flow	O. Flow			4	1330	1370				
				5	3696	3950				
Weather				Clear			Water			
Temp.				30-			200			
Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft Left on Spool				
5031	65	65	170	1-18-71	1300	2634				

REMARKS		TIME		
START	STOP	INTVL		
4:00	4:30	1/2	Drilling	
4:30	5:00	1/2	Drilling	
5:00	5:45	3/4	Drilling	
5:45	6:00	3/4	Drilling	
6:00	6:50	5/8	Drilling	
6:50	7:00	4	Drilling	

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
	5 7/8	18	7	2 1/8	55124					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
961	22 1/2			2	1800	64			DRILLING	
PUMP				MOTOR HOURS				Next Oil Change		
No. 2	PRE-SURE			1	11938	11878				
MODEL	S.P.M.			2	11938	11808				
LINER SIZE				3	2860	2974				
SURVEYS				At Feet			Degrees			
U. Flow	O. Flow			4	1338	1370				
				5	3654	3950				
Weather				Clear			Water			
Temp.				40-			175			
Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft Left on Spool				
5031	65	65	170	1-18-71	1300	2634				

REMARKS		TIME		
START	STOP	INTVL		
7:00	7:30	1/2	Drilling	
7:30	8:00	1/2	Drilling	
8:00	8:45	3/4	Drilling	
8:45	9:00	3/4	Drilling	
9:00	9:20	3	Drilling	
9:20	10:00	8	Drilling	

FUEL USED		CASING REPORT	
Fuel on Hand 12:01 a.m.	gals	RAN	ITS
Fuel Rec'd Today (add)	gals	TO	KB USED
TOTAL	gals	PLUS	PLUG DOWN
Fuel on Hand 11:59 p.m. (deduct)	gals	CEMENT RETURNS (YES/NO)	
FUEL USED	gals		

RENTAL EQUIPMENT ON HAND		EQUIPMENT CHANGES	
CSG	TRANSFER #	A.M.	P.M.
DAYS FROM SPUD	TOTAL COMPANY TIME	HRS	
	TOTAL CONTRACTOR'S TIME	HRS	
Approved by Operator's Representative		Approved by Toolpusher	

GP-0481

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

WELL NO. 15 LOCATION Harmon

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	CB Ft	Flow on Key
724					2	2		1	7						

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	12 1/4																

MUD	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	PUMP	2 m	2 a	4 a	6 a	MOTOR HOURS	Next Change
WEIGHT					No 1					No 2					1 11878	11878
VISCOSITY					MODEL					MODEL					2 11898	11808
GEL															3 2822	2974
W.L.	F.C.				DESILTER: Hours Op					U Flow					4 1248	1370
ADDITIVES:					GENERAL:										5 3014	3950

WORKED OVER 4 HRS
GENERAL: FINISH FLARE LINE
ADJUST IN BARREL OFF TASTING
REPAIRING HARTERS W/ WAPOR

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Slip	Foot or Cut	At Miles	Date Slip or Cut	Next Slip	Flow on Sp
18	1 1/2	MCBART	10-1135	7	8	1114	1114	1	1135	1114	11-22	11-23	11-23

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	CB Ft	Flow on Key
44	139	9823		8000	4	1		18	7	7 1/4	55124				

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3-9	32240	10.15	120	139	3 3/4			1	1800					

MUD	4 p	6 p	8 p	10 p	PUMP	4 p	6 a	8 p	10 a	PUMP	4 p	6 a	8 p	10 a	MOTOR HOURS	Next Change
WEIGHT					No 1					No 2					1 11914	11878
VISCOSITY	28				MODEL					MODEL					2 11914	11808
GEL															3 2838	2974
W.L.	F.C.				DESILTER: Hours Op					U Flow					4 1314	1370
ADDITIVES:					GENERAL:										5 3030	3950

WORKED OVER 4 HRS
HEATER LIGHT IN SUB
SINKING SHAKER

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown & Mat's Chk'd	Fuel on Hand	FUEL USED	CASING REPORT	RAN	ITS	CSG	HEAT
	✓				✓	205 gal	27 gal					
Hydri	✓				✓							
Pipe Rams	✓				✓							
Blind Rams	✓				✓							
TOTCO RING ON BIT				Boiler Operated 24 Hrs	Fire Equip Chk'd		1093					

LOCATION: Harrow 2060 well USE: SEC TAP: RGE W: DATE 2008

Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

PUMP				MOTOR HOURS				Next O. Change
No. 2	PREL. SURF.	MODEL	TYPE	1	11898	11876		
				2	11898	11808		
				3	2822	2974		
				4	1298	1370		
				5	3014	3950		

PUMP				MOTOR HOURS				Next O. Change
No. 2	PREL. SURF.	MODEL	TYPE	1	11906	11878		
				2	11906	11808		
				3	2830	2974		
				4	1306	1370		
				5	3022	3950		

PUMP				MOTOR HOURS				Next O. Change
No. 2	PREL. SURF.	MODEL	TYPE	1	11914	11878		
				2	11914	11808		
				3	2838	2974		
				4	1314	1370		
				5	3030	3950		

REMARKS

Received from [unclear] 119 2 30

Received from [unclear] 1 30

4. Drive [unclear] [unclear] [unclear]

with [unclear] [unclear] [unclear]

2700 [unclear] [unclear] [unclear]

7.500 [unclear] [unclear] [unclear]

START [unclear] [unclear] [unclear]

[unclear] [unclear] [unclear]

DRILLER'S SIGNATURE: [Signature]

REMARKS

K.G. [unclear] [unclear] [unclear]

WORK [unclear] [unclear] [unclear]

DRILL [unclear] [unclear] [unclear]

3.00 [unclear] [unclear] [unclear]

9.00 [unclear] [unclear] [unclear]

DRILLER'S SIGNATURE: [Signature]

REMARKS

Finish out with 3.1

LAY DOWN 10 DC

P. K. 7 DC + 25T BAZERS

Big SER

DRILL

Fuel on Hand 12 01 a.m.	60.59 gals.	CASING REPORT	RAN	JTS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER
Fuel Rec'd Today (add)	gals.		TO	KB USED	VAX		CEM
TOTAL	gals.	PLUS	FLUC. DOWN	A.M.	P.M.	DAYS FROM SPUD:	TOTAL COMPANY TIME HRS
Fuel on Hand 11 59 p.m. (deduct)	gals.	CEMENT RETURNS (YES/NO)	EQUIPMENT CHANGES		TOTAL CONTRACTOR'S TIME HRS		
FUEL USED	1093 gals.						

Approved by Operator's Representative: [Signature]

Approved by Toolpusher: [Signature]

GP 0480

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90' Holes

LOCATION: *Huron*

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Spool
824								11	7	5	12				

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next O. Change
WEIGHT					No 1					No 2					1 11874	11878
VISCOSITY					MODEL					MODEL					2 11874	11808
GEL															3 2748	2774
W.L.	F.C.	pH	DESILTER: Hours Op		U. Flow		O. Flow		SURVEYS		At Feet		Degrees		4 1274	1370
ADDITIVES: WORKED OVER 4 HRS - Hook up Huron line's																
GENERAL: Hook up Huron line's																
Hook up drain to Mud Hole																
Mud Hole will be used to Mud																
Temp. 4																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Sup.	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Left on Spool
1/4" Walrus 10-1135	8			8		1700 Miles			1700	11874	11874	11874	2427

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Spool

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next O. Change
WEIGHT					No 1					No 2					1	
VISCOSITY					MODEL					MODEL					2	
GEL															3	
W.L.	F.C.	pH	DESILTER: Hours Op		U. Flow		O. Flow		SURVEYS		At Feet		Degrees		4	
ADDITIVES: WORKED OVER 4 HRS																
GENERAL: Wipple up Bop's manifold																
Temp. 4																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Sup.	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Left on Spool
1/4" Walrus 10-1135	8			8		1700 Miles			1700	11874	11874	11874	2427

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Spool
824															

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next O. Change
WEIGHT					No 1					No 2					1 11890	11874
VISCOSITY					MODEL					MODEL					2 11890	11808
GEL															3 32814	2974
W.L.	F.C.	pH	DESILTER: Hours Op		U. Flow		O. Flow		SURVEYS		At Feet		Degrees		4 1290	1370
ADDITIVES: WORK OVER 4 HRS																
GENERAL: Wash, Manifold, Bop & Manifold																
Temp. 4																

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Sup.	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fr. Left on Spool
1/4" Walrus 10-1135	8			8		1700 Miles			1700	11874	11874	11874	2427

B.O.P.	Tested	Elapsed Time	Pres. sure	Packing & Seal Inspected Date	Crown & mat's Chk'd	Fuel on Hand 12:01 a.m. 11/24/74	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874
Hydril						11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874
Pipe Rams						11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874
Blind Rams	✓	15	1500			11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874
TOTO RING ON BIT						11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874	11874

LOCATION 2 Horizon SEC W TWP RGE DATE 5-20-71

MAILING POINT Paris SHIPPING POINT Paris MILES MOVED 2 ROAD CONDITIONS Good DASH FROM SPUD

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. upon Kel.	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

REMARKS			TIME		
	START	STOP	INTVL		

4 a.m.	6 a.m.	PUMP	12 m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next O. Change
No. 2	PRE-DRILL						1 11874	11878
MODEL	TYPE						2 11874	11808
							3 2798	2794
U. Flow		O. Flow		SURVEYS		4 1274		1370
				At Feet Degrees		5 2990		2950
						Weather		Water

Handwritten notes in Remarks column:
 11874
 11808
 2798
 1274
 2990
 Weather Water

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. upon Kel.	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

Handwritten notes in Remarks column:
 DRILLER'S SIGNATURE
 800
 1400 8

12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next O. Change
No. 2	PRE-DRILL						1	
MODEL	TYPE						2	
							3	
U. Flow		O. Flow		SURVEYS		4		
				At Feet Degrees		5		
						Weather		Water

Handwritten notes in Remarks column:
 DRILLER'S SIGNATURE
 405 900 5
 900 915 14
 1100 1100 19
 1100 1200 10

Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. upon Kel.	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

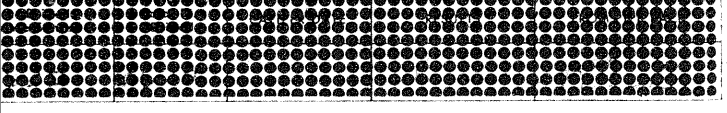
Handwritten notes in Remarks column:
 DRILLER'S SIGNATURE
 Run in

3 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next O. Change
No. 2	PRE-DRILL						1 11890	11878
MODEL	TYPE						2 11890	11808
							3 2814	2494
U. Flow		O. Flow		SURVEYS		4 1290		1370
				At Feet Degrees		5 2006		2950
						Weather		Water

Handwritten notes in Remarks column:
 DRILLER'S SIGNATURE

Fuel on Hand 12:01 a.m. 1045	gals	CASING REPORT	RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER :
Fuel Rec'd Today (add)	gals	TO	KB. USED	AT	CEM		
TOTAL	gals	PLUS					
Fuel on Hand 11:59 p.m. (deduct)	gals	PLUG DOWN					
FUEL USED	gals	CEMENT RETURNS (YES-NO)					

A.M. P.M.	DAYS FROM SPUD:	TOTAL COMPANY TIME	HRS	TOTAL CONTRACTOR'S TIME	HRS
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Approved by Operator's Representative
 Approved by Toolpusher

GP 0479

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

WELL NO. 4011 LOCATION ... DATE ...

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O D	I D	Length	Air Wt	Sub Wt	C B Ft	Fl on Sp
484					4		490	11	7	2 3/4	30 1/2				

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

M U D	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Chan
WEIGHT					No 1					No 2					1 11850	11878
VISCOSITY					MODEL					MODEL					2 11858	11808
GEL					LINER					LINER				3 2774	2974	
W.L.	F.C.	pH	DESILTER: Hours Op:		U. Flow		O. Flow		SURVEYS		At Feet	Degrees	4 1250	1370		
ADDITIVES: GENERAL:																

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Fl on Sp
V8			1135	8			713	65	65	752	12/11/30	12/11/30	12/11/30

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O D	I D	Length	Air Wt	Sub Wt	C B Ft	Fl on Sp

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

M U D	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Chan
WEIGHT					No 1					No 2					1 21858	11808
VISCOSITY					MODEL					MODEL					3 2782	2974
GEL					LINER					LINER					4 1258	1370
W.L.	F.C.	pH	DESILTER: Hours Op:		U. Flow		O. Flow		SURVEYS		At Feet	Degrees	5 2774	2950		
ADDITIVES: GENERAL:																

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Fl on Sp
V8			1135	8			716	65	65	772	12/11/30	12/11/30	12/11/30

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O D	I D	Length	Air Wt	Sub Wt	C B Ft	Fl on Sp
824							770	11	7	2 3/4	30 1/2				

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

M U D	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Chan
WEIGHT					No 1					No 2					1 11866	11878
VISCOSITY					MODEL					MODEL					2 11866	11808
GEL					LINER					LINER					3 2770	2974
W.L.	F.C.	pH	DESILTER: Hours Op:		U. Flow		O. Flow		SURVEYS		At Feet	Degrees	4 2772	2950		
ADDITIVES: GENERAL:																

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Fl on Sp
V8			1135	8			794	65	65	782	12/11/30	12/11/30	12/11/30

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown or mat. Chk'd	Rig Savers Chk'd	Knives Coax Chk'd	Firm Equip Chk'd	Fuel on Hand 12 01 am	10815	CASING REPORT		RAN	ITS	CSG	HEN
Hydri									Fuel Rec'd Today (total)		TO		MB USED	SA	CEM	
Pae Rams									TOTAL		PLUS		FLC	AM	P.M	DAYS
Blind Rams									Fuel on Hand 12 01 am	214	CEMENT RETURNS		YES	NO		
EQUIPMENT CHANGES																

LOCATION: 4-11-1-2-3-4-5-6-7-8-9-10-11-12 SEC 1 TWP 1 RGE 1 DATE 1-1-72

Singles		DRILL COLLARS		No. <u>2</u>	O.D. <u>70</u>	I.D. <u>3</u>	Length <u>60.75</u>	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. on Key		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
4 a.m.	6 a.m.	PUMP		12 m.m.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS		Next O. Change			
No. 2		PRE-SURE		1		11850		11878					
MODEL		P.W.		2		11858		11808					
LINE		SIZE		3		2774		2974					
U. Flow		O. Flow		SURVEYS		4		1250		1370			
				At Feet		Degrees		5		3966		3950	
				Weather		Water		Temp.		Eols			

REMARKS	TIME		
	START	STOP	INTVL
<u>circ 2 1/8 casing w/ water</u>	<u>1200</u>	<u>1208</u>	<u>8</u>

Total Miles	Strip	Feet or Cut	At Miles	Date Strip or Cut	Next Strip	Ft. Left on Spool
<u>7986</u>	<u>65</u>	<u>65</u>	<u>7752</u>	<u>1-15-71</u>	<u>1300</u>	<u>2637</u>

Singles		DRILL COLLARS		No. <u>2</u>	O.D. <u>70</u>	I.D. <u>3</u>	Length <u>60.75</u>	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. on Key		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
12 noon	2 p.m.	PUMP		3 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS		Next O. Change			
No. 2		PRE-SURE		1		11858		11808					
MODEL		P.W.		3		2782		2974					
U. Flow		O. Flow		SURVEYS		4		1258		1370			
				At Feet		Degrees		5		2979		3950	
				Weather		Water		Temp.		Eols			

REMARKS		DRILLER'S SIGNATURE	
<u>FIRES N.H.</u>		<u>[Signature]</u>	

Total Miles	Strip	Feet or Cut	At Miles	Date Strip or Cut	Next Strip	Ft. Left on Spool
<u>7986</u>	<u>65</u>	<u>65</u>	<u>7752</u>	<u>1-15-71</u>	<u>1300</u>	<u>2637</u>

Singles		DRILL COLLARS		No. <u>2</u>	O.D. <u>70</u>	I.D. <u>3</u>	Length <u>60.75</u>	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. on Key		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
8 a.m.	10 a.m.	PUMP		4 p.m.	6 a.m.	10 a.m.	MOTOR HOURS		Next O. Change				
No. 2		PRE-SURE		1		11866		11878					
MODEL		P.W.		2		11866		11808					
U. Flow		O. Flow		SURVEYS		4		1266		1370			
				At Feet		Degrees		5		2982		3950	
				Weather		Water		Temp.		Eols			

REMARKS		DRILLER'S SIGNATURE	
<u>FIRES</u>		<u>[Signature]</u>	

Total Miles	Strip	Feet or Cut	At Miles	Date Strip or Cut	Next Strip	Ft. Left on Spool
<u>7986</u>	<u>65</u>	<u>65</u>	<u>7752</u>	<u>1-15-71</u>	<u>1300</u>	<u>2637</u>

Singles		DRILL COLLARS		No. <u>2</u>	O.D. <u>70</u>	I.D. <u>3</u>	Length <u>60.75</u>	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. on Key		
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.			
8 a.m.	10 a.m.	PUMP		4 p.m.	6 a.m.	10 a.m.	MOTOR HOURS		Next O. Change				
No. 2		PRE-SURE		1		11866		11878					
MODEL		P.W.		2		11866		11808					
U. Flow		O. Flow		SURVEYS		4		1266		1370			
				At Feet		Degrees		5		2982		3950	
				Weather		Water		Temp.		Eols			

REMARKS		DRILLER'S SIGNATURE	
<u>FIRES</u>		<u>[Signature]</u>	

Fuel on Hand 12:01 a.m.		<u>10815</u> gals.	CASING REPORT		RAN	ITS	CSG	RENTAL EQUIPMENT ON HAND		TRANSFER #
Fuel Rec'd Today (add)			TO		KB USED	SAX	CEM			
TOTAL			PLUS			PLUS-DOWN	A.M. P.M.	DAYS FROM SPUD		<u>7</u>
Fuel on Hand 11:59 p.m. (deduct)		<u>8111</u> gals.	CEMENT RETURNS (YES-NO)					EQUIPMENT CHANGES		
FUEL USED		<u>2704</u> gals.						Approved by Operator's Representative		<u>[Signature]</u>
								Approved by Toolpusher		<u>[Signature]</u>

GP 3478

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 Miles W. Parkin

15

CHouston SDC-WA R PINE CRK-N-66

Parkin

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B. Ft	Ft up on Kelly
824							2	10	3	34					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
MUD				PUMP				PUMP				MOTOR HOURS			
WEIGHT				No 1				No 2				11850 11878			
VISCOSITY				MODEL				MODEL				211834 11808			
GEL				LINE				LINE				3 2950 2974			
W.L.				DESILTER				SURVEYS				4 1236 1370			
ADDITIVES:				GENERAL:				Weather				5 3942 3950			
								Temp				-10			

FINISH
RIG TO
RIG TO
LEAK
TANK

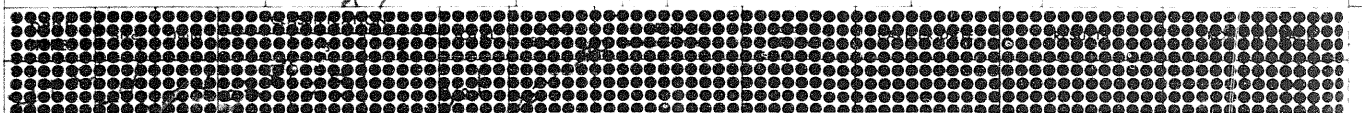
Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Ft up on Space
118 WRIGHT	10-135	8	20	7986	65	63	7752	1-18-71	8300	2637		

FIRE N.I.L
RIG
CLEAN
TEAR OUT
CASING
CIRC.
RIG
UP
P.L.C.

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B. Ft	Ft up on Kelly
824							2	10	3	34					
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
MUD				PUMP				PUMP				MOTOR HOURS			
WEIGHT				No 1				No 2				11850 11878			
VISCOSITY				MODEL				MODEL				211834 11808			
GEL				LINE				LINE				3 2766 2974			
W.L.				DESILTER				SURVEYS				4 1242 1316			
ADDITIVES:				GENERAL:				Weather				5 3950 3950			
								Temp				0-300			

FIRE
FINISH
CIRC 13

B.O.P.	Texted	Elapsed Time	Pres Sure	Packing & Seal Inspected Date	Crown or mat. Chkd	Fuel on Hand	12.01 am	5915	CASING REPORT	RAN	CSG	HEAT
Hydral					Pig Saver Chkd	Fuel Rec'd Today	6000	TOTAL	11815	TO	CEM	
Pack Rams					Key Chkd	Fuel on Hand	59			PLUS	FLG	AN
Blind Rams					Fire Equip. Chkd					CEMENT RETURNS	YES	NO
TOTCO RING ON BIT =		Boiler Operated	24	Hrs		FUEL USED						



CUSTOMER'S COPY

5 LOCATION: CHAUNSON SOB. C. W. I. A. P. I. W. C. R. - N-66-57-53" 137-28-28" DATE: DEC 31 71
 PARRIN HURKON ROAD CONT ONE ROAD

Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt	Sub. Wt	CB Ft	Ft. up on Kelly
		2	10	3	37				
		11	7	3	36	83			

Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next O. Change
							1 11850	11878
							2 11934	11808
							3 2950	2974

U. Flow	O. Flow	SURVEYS	At Feet	Degrees
		4	1236	1370
		5	3942	3950

REMARKS
 FINISH RUNNING 13 3/8 CASING
 RIG TO CIRC 3 CIRC
 RIG TO CEMENT
 CEMENT CASING
 TEAR OUT CEMENTS

FIRES N/A
 DRILLER'S SIGNATURE: [Signature]
 RIG SERVICE
 CLEAN MUD LOGS
 TEAR OUT BLOW LINE, CUT CASING + WIPPLE UP TO CIRC. INSTALL GULF AIR COMPRESSOR
 RUN 3 STAND + PICK UP UP IN SINGLES
 PICK UP KELLY

FIRES
 DRILLER'S SIGNATURE: [Signature]
 FINISH DIPPING UP
 CIRC 13 3/8 CASING

8 am	10 am	PUMP	4 am	6 am	8 am	10 am	MOTOR HOURS	Next O. Change
							1 11850	11878
							2 11850	11808
							3 2766	2974

FIRES N/A
 DRILLER'S SIGNATURE: [Signature]

Fuel on Hand 12:01 a.m.	5815	CASING REPORT	RAN	IS	CSG	RENTAL EQUIPMENT ON HAND	TRANSFER //
Fuel Rec'd Today (load)	6000						
TOTAL	11815						

APPROVED BY OPERATOR'S REPRESENTATIVE: [Signature]
 APPROVED BY TOOLPUSHER: [Signature]

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG
DIRECTIONS TO WELL

90 Miles W. Park...

Handwritten notes and signatures at the top right of the page.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
747	11	824	5 1/4	84	4			2	10 7/8	7	10 5/8													
MUD			2 am	2 am	4 am	6 am	PUMP			12 am	2 am	4 am	6 am	PUMP			2 am	2 am	4 am	6 am	MOTOR HOURS			
WEIGHT															11850		11878							
VISCOSITY															211810		11808							
GEL															3 2724		2974							
W.L.			F.C.		pH		DESILTER		Hours Op.		J. Flow		O. Flow		SURVEYS		Air Feet		Degree					
ADDITIVES:			GENERAL:												5 3918		3920							
Weather:			CLEAR												0		150							

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Next Size	Feet	At Miles
118WK	10-1135					7746				6-6	7752	1-18	718300

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
804	0	824		84																				
MUD			8 am	10 am	12 noon	2 pm	PUMP			8 am	10 am	12 noon	2 pm	PUMP			8 am	10 am	12 noon	2 pm	MOTOR HOURS			
WEIGHT															11850		11878							
VISCOSITY															211818		11808							
GEL															3 2734		2974							
W.L.			F.C.		pH		DESILTER		Hours Op.		J. Flow		O. Flow		SURVEYS		Air Feet		Degree					
ADDITIVES:			GEL 4400 P.B.S. GENERAL:												4 1220		1370							
Weather:															5 3926		3920							

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
				84																				
MUD			4 pm	6 pm	8 pm	10 pm	PUMP			4 pm	6 pm	8 pm	10 pm	PUMP			4 pm	6 pm	8 pm	10 pm	MOTOR HOURS			
WEIGHT			8.6														11858		11878					
VISCOSITY			105 70														11826		11808					
GEL															3 2742		2974							
W.L.			F.C.		pH		DESILTER		Hours Op.		J. Flow		O. Flow		SURVEYS		Air Feet		Degree					
ADDITIVES:			GENERAL VISUALLY INSPECTED 13 1/4 Cyl. No DEFECTS FOUND												4 1228		1370							
Weather:			4 MEN WORKED OVERTO RUN C59.												5 3934		3950							

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Next Size	Feet	At Miles
119	1135					20	7965			6-5	6-5	7752	1-18

B.O.P.	Tested	Elapsed Time	Pres. Valve	Packing & Seal Inspected Date	Crown & Mast Check	Five o'clock	Five o'clock	Five o'clock	Five o'clock	Five o'clock	Five o'clock	Five o'clock	Five o'clock

TOTCO RING ON BIT	Boiler Operated	FUEL USED	CEMENT RETURNS
	24		

CUSTOMER'S COPY

Location: Houston 2032 W 4th Ave - 246 - 53 - 137 - 58 - 58
 Date: Dec 30

DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
2		10	7 1/8	6 1/8	336.85				12.2

PUMP		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
S10		2434							

MOTOR HOURS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
11850		11878							
211810		11808							
3 2726		2974							
4 1208		1370							
5 3918		3950							

SURVEYS		At Feet	Degrees
4		1208	1370
5		3918	3950

Weather		Water	
CLEAR		150	

REMARKS	TIME		
	START	STOP	NTVL
Run Drilling	12:00	12:30	1/4
Ran 12 1/2 hrs. at 2434	12:30	1:00	1/4
Line up	1:30	1:45	
Take out for 2 hrs.	2:00	2:00	
Run Drilling	2:00	2:30	1/4
Prep. Prod. Test	2:30	2:30	
Operational	2:30	2:30	
Line up	2:30	2:30	

DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
2		10	7 1/8	6 1/8	336.85				12.2

PUMP		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
S10		2434							

MOTOR HOURS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
11850		11878							
211810		11808							
3 2734		2974							
4 1220		1370							
5 3926		3950							

SURVEYS		At Feet	Degrees
4		1220	1370
5		3926	3950

Weather		Water	
CLEAR		150	

REMARKS	TIME		
	START	STOP	NTVL
Buildup Volume	11:30	11:30	1/4
Displacement	11:30	11:30	
Line up	11:30	11:30	
Run Drilling	11:30	11:30	1/4
Prep. Prod. Test	11:30	11:30	
Operational	11:30	11:30	
Line up	11:30	11:30	

DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
2		10	7 1/8	6 1/8	336.85				12.2

PUMP		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
S10		2434							

MOTOR HOURS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
11858		11878							
41826		11808							
3 2742		2974							
4 1228		1370							
5 3934		3950							

SURVEYS		At Feet	Degrees
4		1228	1370
5		3934	3950

Weather		Water	
CLEAR		150	

REMARKS	TIME		
	START	STOP	NTVL
Finish Run in	4:00	4:00	1/4
Rig SR	4:30	4:30	1/4
Line up	4:30	4:30	
Blow Kelly Running	6:00	7:00	1/2
Run Drilling	7:00	7:00	1/2
Rig up Running	7:00	10:00	1
Run Drilling	10:00	12:00	2

CASING REPORT		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
S10		2434							

MOTOR HOURS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. Size
11858		11878							
41826		11808							
3 2742		2974							
4 1228		1370							
5 3934		3950							

SURVEYS		At Feet	Degrees
4		1228	1370
5		3934	3950

Weather		Water	
CLEAR		150	

REMARKS	TIME		
	START	STOP	NTVL
Finish Run in	4:00	4:00	1/4
Rig SR	4:30	4:30	1/4
Line up	4:30	4:30	
Blow Kelly Running	6:00	7:00	1/2
Run Drilling	7:00	7:00	1/2
Rig up Running	7:00	10:00	1
Run Drilling	10:00	12:00	2

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELL

RIG NO 15 LOCATION CHEURON S O B C W A E PINK CRT N-66-51-53
90 Miles W - PARKIN MAILING POINT PARKIN YUTON SHIPPING POINT PARKIN YUTON

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B.Ft.	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Next Trip	Feet on Sp
341	212	594	7 1/2	8000	1	1	2	10	3	60.90	275	2	11-18-71	8300	2637	7926	65	65	775	11-18-71	8300	2637

PEAKING
LAY DOWN
PICK
PEAKING

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3A	1 7/8	PILOT REAMER		12756	670			280	9 1/4								

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11950	11878
VISCOSITY					MODEL					MODEL					2 11794	11808
GEL															3 2802	2974
W.L.	F.C.		pH		DESILTER: Hours Op.			U. Flow		O. Flow					4 1184	1370
ADDITIVES:	4000 lbs gel 30 lbs rapid drill															
GENERAL:																

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Next Trip	Feet on Sp
1 1/8	WRIGHT		0-1135	8	20	7926	65	65	775	11-18-71	8300	2637

FIRES NIL
RIG 5
PEAKING
1 7/8
Circ Ho
STAND
PEAKING

From	Footage	To	Hrs on Bottom	Wt Drill Pipe (1000 lbs)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt	Sub Wt	C.B.Ft.	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Next Trip	Feet on Sp
594	125	719	7 1/4	8400	2	2	2	10	3	60.90	275	2	11-18-71	8300	2637	7926	65	65	775	11-18-71	8300	2637

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3A	1 7/8	PILOT REAMER		15-	60-70					16 1/2							

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11868	11878
VISCOSITY					MODEL					MODEL					2 11794	11808
GEL															3 2710	2974
W.L.	F.C.		pH		DESILTER: Hours Op.			U. Flow		O. Flow					4 1192	1370
ADDITIVES:	2000 lbs gel #150 Soda ash 50 lb Caustic VIS - 105															
GENERAL:																

Drilling Line Record	Size	Make	Serial No.	No Lines	Trips	Ton Miles	Total Miles	Feet of Cut	At Miles	Date	Next Trip	Feet on Sp
1 1/8	WRIGHT		0-1135	8	20	7926	65	65	775	11-18-71	8300	2637

FIRES
RIG 5
PEAKING
CIRC HO
STAND
PEAKING

B.O.P.	Tested	Released Time	Pressure	Parking & Seal Inspected Date	Crown & Mat Chk'd	Fuel on Hand 12:01 am	FUEL USED	CASING REPORT	EQUIP
						8219	6870		

TOTCO RING ON BIT	Boiler Operated	Hrs	Fuel on Hand 5:00 pm	FUEL USED	CEMENT RETURNS	YES/NO	GENERAL
	24			1321			

CUSTOMER'S COPY

LOCATION **CHURCH & B.C.W.M.** E. PINN ^{CRK} N-66°-57'-53" - 137°-58'-58"
 MAILING POINT **PARKIN YUKON** SHIPPING POINT **PARKIN YUKON** MILES MOVED **50** ROAD CONDITIONS **POOR**
 LSD. SEC TWP RGE W DATE **Dec 29/81** 1981

Singles	DRILL COLLARS	No. 2	O.D. 10	I.D. 3	Length 60.40	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. Kt.	
1		11	7	2 1/2	336.83					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
		280	9 1/4							
4 a.m.	5 a.m.	PUMP		12 m.n.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS		
		No. 2	PIKES					1	11950	11878
		MODEL	LINE					2	11794	11808
			LINE					3	2702	2974
			LINE					4	1184	1370
			LINE					5	3894	3950
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		
				Weather		Water				
				Temp.						

REMARKS
 REAMING 12 1/4" RAT HOLE TO 17 1/2' 1200 130 1/2
 LAY DOWN WORKING SINGLES 130
 PICK UP DCS 200 1/2
 REAMING 200 400 6

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. on Sp.				
7926	65	65	7752	11-18-71	8300	2637				
Singles	DRILL COLLARS	No. 2	O.D. 10	I.D. 3	Length 60.40	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. Kt.	
2		11	7	2 1/2	336.83					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
			16 1/2							
12 noon	2 a.m.	PUMP		3 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS		
		No. 2	PIKES					1	11868	11878
		MODEL	LINE					2	11794	11808
			LINE					3	2710	2974
			LINE					4	1192	1370
			LINE					5	3902	3950
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		
				Weather		Water				
				Temp.						

REMARKS
 RIG SERVICE 800 8 15 1/4
 REAMING 12 1/4" RAT HOLE TO 8 15' 1195 3 1/2
 17 1/2
 CIRC HOLE & BREAK DOWN 1145
 STAND 12 15 1/2
 REAMING 12 1/4" RAT HOLE TO 17 1/2' 12 15' 400 1/4

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. on Sp.				
7926	65	65	7752	11-18-71	8300	2637				
Singles	DRILL COLLARS	No. 2	O.D. 10	I.D. 3	Length 60.40	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. Kt.	
2		11	7	2 1/2	336.83				4	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
		28	19 1/2							
3 p.m.	10 p.m.	PUMP		4 p.m.	6 a.m.	8 p.m.	10 a.m.	MOTOR HOURS		
		No. 2	PIKES					1	11866	11878
		MODEL	LINE					2	11802	11808
			LINE					3	2718	2974
			LINE					4	1200	1370
			LINE					5	3910	3950
U. Flow		O. Flow		SURVEYS		At Feet		Degrees		
				Weather		Water				
				Temp.						

REMARKS
 RIG SER 400 4 15 1/4
 REAM 12 1/4" RAT HOLE TO 17 1/2' 4 15' 700 2 3/4
 CIRC HOLE 700 7 15 1/4
 DRIFT 7 15 9 15 2
 TAK - 20' 1 FOOT - CHAMBER 9 15' 9 30 1/4
 BURN 9 30 10 15 1/4
 BREAK CIRC HOLE 10 15' 11 15 1
 TAKE SAND 10 15' 11 15 1
 BEAM 11 15' 12 15 1/4

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Fl. on Sp.
7946	65	65	7752	11-18-71	8300	2637
Fuel on Hand 12 01 a.m.	8219 gal.		CASING REPORT		RAN	CSG
Fuel Rec. if Today						
TOTAL						
Fuel on Hand 59 p.m. today	6890 gal.					
FUEL USED		1329 gal.		CEMENT RETURNS (YES/NO)		GENERAL: —

REMARKS
 EQUIPMENT CHANGES
 TRANSFER #
 TOTAL COMPANY TIME
 TOTAL CONTRACTOR'S TIME
 Approved by Operator's Representative
 Approved by Toolpusher

CUSTOMER'S COPY

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELL

RIG NO. **15**

LOCATION

CHEVRON S.O.R.C.W.M. EAST Pine Crab

N-66-57-5

SEC TWP

70 MILES W.O.F. PARKIN

MAILING POINT

PARKIN YUKON

SHIPPING POINT

PARKIN YUKON

MILES MOVED

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Temp.
684	106	790	4"4	80	3	2	2	11	7	3	60'40"	27	33683	14109	21.5
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
2A	12 1/4	OSCS	ap	26978	5	100	476	19 1/2							

See Rig
Drill
Work Ho

MUD	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	PUMP	12 m	2 a	4 a	6 a	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11834	11878
VISCOSITY					MODEL					MODEL					2 11770	11808
GEL															3 2678	2974
W.L.	FC	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS		At Feet		Degree		Temp.		Weather	
ADDITIVES: GENERAL: TALLY OUT 80821775-1 1/4 680 1/2 3880 3950																
DRILLER 11/18/77 27																
DIFF 6 3.02																
7781 1/8																

Drill
Work Ho
SURVEY
Drill
TIGHTEN
Drill
WORK HOLES
SURVEY
WORK HOLES
Drill
FIRES

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Next	Temp.
1 1/8	WR-944	O-1135	8	2	7806	65	65	7752	11-18-77	8300	2637	FIRES

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Temp.
490	32	822	1 3/4	80	4	-	2	11	7	3	60'40"	27	33683	14109	21.5
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
2A	12 1/4	OSCS	ap	26978	5	100	508	21 1/4							

Run in
Install
Drill
Work Ho

MUD	8 a	10 a	12 noon	2 a	PUMP	8 a	10 a	12 noon	2 a	PUMP	8 a	10 a	12 noon	2 a	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11842	11878
VISCOSITY					MODEL					MODEL					2 11778	11808
GEL															3 2686	2974
W.L.	FC	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS		At Feet		Degree		Temp.		Weather	
ADDITIVES: GENERAL: 830 1 1/4 3874 3950																

SURVEY
HOIST
BREAK
STABILIZ
Run in

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Next	Temp.
1 1/8	WR-944	O-1135	8	2	7856	65	65	7752	11-18-77	8300	2637	FIRES

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	OD	ID	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Temp.
314	67	381	1 3/4	70	1	1	8	7	3	28	25'64"				
No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T. B. G.
REAMER					12	65		1 3/4							

TRIP
RIG
MAKE
HEAD
BR

MUD	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	PUMP	4 p	6 p	8 p	10 p	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11850	11878
VISCOSITY					MODEL					MODEL					2 11786	11808
GEL															3 2699	2974
W.L.	FC	pH	DESILTER	Hours Op.	U. Flow	O. Flow	SURVEYS		At Feet		Degree		Temp.		Weather	
ADDITIVES: GENERAL: 1176 1370 3886 3950																

HOLE
REPAIR
HOIST
WORK ON
TRIP IN
RE

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet	At Miles	Date	Next	Temp.
1 1/8	WR-944	O-1135	8	2	7906	65	65	7752	11-18-77	8300	2637	FIRES

B.O.P.	Tested	Elapsed Time	Press. used	Packing & Seal in position	Crown & Mat Chk. 1	Rig Safety Chk. 1	Fuel on Hand 12.00 gal	3819	CASING REPORT	PAI	CSG	EQUIP			
Hydral							Fuel Rev. & Torsion								
Plan Ram							TOTAL	8276							
Blind Ram							Fuel on Hand								
TOTAL PING ON BIT = 24 Hrs. Boster Operated										FUEL USED		CEMENT RETURNS YES NO		GENERAL: —	

GENERAL: —

N-66°57'53" W-137°58'58"

LOCATION CHEVRON S.O.B.C.W.M. EAST Pine Cab. SEC. TWP. RGE. W. DATE DEC 29 1967
 MAILING POINT PARKIN YUKON SHIPPING POINT PARKIN YUKON MILES MOVED 50 ROAD CONDITIONS P.09264

Singles	DRILL COLLARS	No	OD	ID	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Sp.	
2	11	2	10 3/4	3 1/2	60.40	21.5	14.09			
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
476	19 1/2									

PUMP		12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
No. 2	PRE. WIRE					1 11834 11878	
MODEL	LINE					2 11770 11808	
						3 2678 2974	
U. Flow	O. Flow	SURVEYS		At Feet	Degrees	4 1160 1370	
1 Oct 808 2775-1 1/4		680	1 1/2	3880	3950		
11/4 511.29		710	1 1/4				
FF06	3.08	778	1 1/8				

Total Miles	Slip	Feet	Cut	At Miles	Date	Slip	Cut	Next Slip	Fr. on Sp.	
7806	65	65	7752	11-18-71	8300	2637				
Singles	DRILL COLLARS	No	OD	ID	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fr. on Sp.	
1	8	7	2 3/8	25404						
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
			1 3/4							

Total Miles	Slip	Feet	Cut	At Miles	Date	Slip	Cut	Next Slip	Fr. on Sp.
7906	65	65	7752	11-18-71	8300	2637			
Fuel on Hand 12 01 am	3219	CASING REPORT							
Fuel Rec'd Today									
TOTAL	8276								
Fuel on Hand 12 01 am									
FUEL USED									

REMARKS	START	STOP	INVT
SON RIG SURVEY	12 12 30	12 30	11/2
DRILL	12 30	2 30	2
WORK HOLE CLEAN	2 30	2 45	1/4
SURVEY	2 45	3 00	1/4
DRILL	3 00	3 15	1/4
TIGHTEN AIR COMPRESSOR BELTS	3 15	3 30	1/4
DRILL	3 30	4 15	3/4
WORK HOLE CLEAN	4 15	4 45	1/4
SURVEY	4 45	5 45	1
WORK HOLE CLEAN + SURVEY	5 45	6 00	1/2
DRILL	6 00	6 30	1/2
FIRE 17 1/2 HOIST	6 30	6 45	1/4
DRILLER'S SIGNATURE	6 45	8 00	1 1/4
RUN IN W/ 12 1/4	8 00	9 00	1
INSTANT ROTATING HEAD	9 00	11 30	2 1/2
DRILL	11 30	11 55	1/4
WORK HOLE CLEAN	11 55	13 00	1/2
SURVEY 3 RIG SERVICE	13 00	2 00	1 1/2
HOIST 2A - 12 1/4 @ 822	2 00	3 00	1
BREAK 3 LAY DOWN 12 1/4	3 00		
STABILIZERS - PICK UP			
RUN 17 1/2 STABILIZERS			
DRILLER'S SIGNATURE		4 00	1
FIRE 17 1/2			

TRIP IN	4 00	4 30	1/2
RIG SERVICE	4 30	4 45	1/4
MAKE UP ROTATOR	4 45	6 00	1 1/4
HEAD + BREAK CIRC			
BR REAMING 17 1/2	6 00	6 45	3/4
HOLE	6 45		
REPAIR FOAM INJECTION PUMP		7 15	1/2
HOIST TO BIG COLLAR	7 15	7 45	1/2
WORK ON FOAM INJECTION PUMP	7 45	10 00	2 1/4
TRIP IN 3 BREAK CIRC	10 00	10 45	3/4
REAMING 17 1/2	10 45	11 00	1/4
DRILLER'S SIGNATURE			

EQUIPMENT CHANGES	TRANSFER
WORK HOLE FOR CONNECTION	11 30
REPAIR 17 1/2 RIG	11 30
DRILLER'S SIGNATURE	
DAYS FROM SPUD	
TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
Approved by Operator's Representative	Approved by Toolpusher

CUSTOMER'S COPY

LOCATION CHEVRON 503 C Wm East SEC. 16 TWP. S7 RGE. S3 W. 137 DATE Dec 27 1981

MAILING POINT Kurtin Yukon SHIPPING POINT Burns Yukon MILES MOVED 52 ROAD CONDITIONS Good

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Ft. up on Kell.	
		2	10	3	60510				14100	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
119	4 1/2				306.26					

4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Oil Change
		No. 2					1 11810	11878
		MODEL					2 11746	11808
							3 2654	2974

U. Flow	O. Flow	SURVEYS	At Feet	Degrees	Weather	Water
		4	1138	1370	84	15
		5	3846	3950	0/C	
			370	1 1/4		
			412	1 1/4		

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft Left on Spoc
7776		65	7752	11-18-71	8300	2637

REMARKS	TIME		
	START	STOP	INVL
Drill w/ 5000	12:00	12:30	1/2
Work tight hole on Connection	12:30	1:00	1/2
See log	1:00	1:15	1/4
Clean to bottom of hole	1:15	1:30	1/2
Veil	1:30	3:10	1 1/2
WORK THE CLEAN HOLE	3:10	3:30	1/2
SURVEY	3:30	5:00	1 1/2
DRILL	5:00	5:30	1/2
SURVEY	5:30	6:10	1/2
DRILL	6:10	8:00	1 1/2

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Ft. up on Kell.	
		2	10	3	6040				14100	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
245	9 1/2			1					1N	

12 noon	2 am	PUMP	3 am	10 am	2 am	3 am	MOTOR HOURS	Next Oil Change
		No. 2					1 11818	11878
		MODEL					2 11754	11808
							3 2662	2974

U. Flow	O. Flow	SURVEYS	At Feet	Degrees	Weather	Water
		4	1174	1370	0/C	250
		5	3854	3950	0/C	
			432	1 1/4		
			460	1 1/4		
			440	1 1/4		

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft Left on Spoc
7806		65	7752	11-18-71	8300	2637

REMARKS	TIME		
	START	STOP	INVL
DRILL	8:30	10:00	1 1/2
WORK WITH	10:00	10:30	1/2
DRILL	10:30	11:00	1/2
DRILL	11:00	10:15	1/2
WORK WITH	10:15	10:30	1/2
DRILL	10:30	11:00	1/2
DRILL	11:00	11:15	1/4
DRILL	11:15	11:30	1/4

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	CB Ft.	Ft. up on Kell.	
		2	10	3	6040				14100	
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
370	15 1/4									

8 am	10 am	PUMP	4 am	6 am	8 am	10 am	MOTOR HOURS	Next Oil Change
		No. 2					1 11826	11978
		MODEL					2 11762	11808
							3 2670	2974

U. Flow	O. Flow	SURVEYS	At Feet	Degrees	Weather	Water
		4	1152	1370	116	200
		5	3862	3950	116	
			589	1 1/4		
			620	1 1/4		

Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft Left on Spoc
7806		65	7752	11-18-71	8300	2637

REMARKS	TIME		
	START	STOP	INVL
RIG SERVICE	1:00	4:00	1 1/2
SURVEY @ 559	4:00	9:30	1 1/2
DRILL	9:30	6:00	1 1/2
WORK HOLE FOR	6:00	6:15	1/4
SURVEY @ 589	6:15	6:00	1/4
DRILL	6:30	7:00	1/2
DRILL	7:00	8:00	1 1/2
DRILL	8:00	1:45	1 1/2
DRILL	1:45	10:00	1 1/2
DRILL	10:00	10:15	1/4
DRILL	10:15	11:05	1/2

Fuel on Hand 12:01	3219		
Fuel Rec'd Today			
TOTAL			
Fuel on Hand 5:59 a.m.			
FUEL USED			

EQUIPMENT CHANGES	TRANSFER #
CSG	
REM	
DAYS FROM SPUD	
TOTAL COMPANY TIME	TOTAL CONTRACTOR'S TIME
HRS	HRS

CASING REPORT	PAN
CEMENT RETURNS (YES/NO)	

GENERAL	APPROVED BY
	Operator's Representative
	Approved by
	Toolmaster

COPY GP

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELL

RIG NO. *15* LOCATION *Chauron 5000 CWR Lake Crk* LSD SEC TWP *11 66 51-53*
 DIRECTIONS TO WELL *70 miles W. of Parkin* MAILING POINT *Parkin Yulon* SHIPPING POINT *Parkin Yulon* MILES MOVED

TOUR	M	I	D	N	I	G	H	T	S	From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up Kelly	Next Oil Change	GENERAL																
																												At Feet	Degrees	At Feet	Degrees	At Feet	Degrees	At Feet	Degrees								
										<i>138</i>	<i>112</i>	<i>250</i>	<i>6</i>	<i>42100</i>			<i>3</i>	<i>10</i>	<i>3</i>	<i>60.40</i>	<i>2741</i>	<i>53.44</i>		<i>2337</i>		<i>2337</i>	<i>Drill SURVEY Contact 11-11-68</i>																
B		No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.									<i>11786</i>	<i>11678</i>														
I		<i>1A</i>	<i>1 7/8</i>	<i>2000C</i>	<i>3-15</i>	<i>A5060</i>	<i>10-885</i>	<i>250</i>	<i>8 1/2</i>																			<i>219</i>	<i>Drill SURVEY</i>														
T																												<i>11786</i>	<i>11678</i>														
S																												<i>2630</i>	<i>2974</i>														
		MUD			12 mn	2 am	4 am	6 am	PUMP			12 mn	2 am	4 am	6 am	PUMP			MOTOR HOURS			Next Oil Change																					
		WEIGHT		No. 1		No. 2																																					
		VISCOSITY		MODEL		MODEL																																					
		GEL																																									
		W.L.			F.C.			pH			DESILTER: Hours Op:			U. Flow			O. Flow			SURVEYS			At Feet			Degrees																	
		ADDITIVES:			GENERAL:																																						
		Drilling Line Record			Size			Make			Serial No			No Lines			Trips			Ton Miles			Total Miles			Feet or Cut			At Miles			Date			Start			Stop			Ft. Left on Space		
		<i>1 7/8</i>			<i>WR-344</i>			<i>0-1135</i>			<i>8</i>									<i>7716</i>			<i>65</i>			<i>65</i>			<i>2752</i>			<i>11-18-71</i>			<i>8300</i>			<i>2637</i>					

TOUR	M	I	D	N	I	G	H	T	S	From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up Kelly	Next Oil Change	GENERAL																
																												At Feet	Degrees	At Feet	Degrees	At Feet	Degrees										
										<i>50</i>	<i>64</i>	<i>314</i>	<i>3 1/2</i>	<i>55,000</i>			<i>7</i>	<i>7</i>	<i>2 1/4</i>	<i>25.33</i>					<i>219</i>		<i>219</i>	<i>Drill SURVEY</i>															
B		No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.																								
I		<i>1A</i>	<i>1 7/8</i>	<i>2000C</i>	<i>3-15</i>	<i>A5060</i>	<i>8/10</i>	<i>80/120</i>	<i>314</i>	<i>12</i>																			<i>219</i>														
T																													<i>219</i>														
S																													<i>219</i>														
		MUD			8 am	10 am	12 noon	2 pm	PUMP			8 am	10 am	12 noon	2 pm	PUMP			MOTOR HOURS			Next Oil Change																					
		WEIGHT		No. 1		No. 2																																					
		VISCOSITY		MODEL		MODEL																																					
		GEL																																									
		W.L.			F.C.			pH			DESILTER: Hours Op:			U. Flow			O. Flow			SURVEYS			At Feet			Degrees																	
		ADDITIVES:			GENERAL:																																						
		Drilling Line Record			Size			Make			Serial No			No Lines			Trips			Ton Miles			Total Miles			Feet or Cut			At Miles			Date			Start			Stop			Ft. Left on Space		
		<i>1 7/8</i>			<i>WR-344</i>			<i>0-1135</i>			<i>4</i>						<i>30</i>			<i>7746</i>			<i>65</i>			<i>65</i>			<i>2752</i>			<i>11-18-71</i>			<i>8300</i>			<i>2637</i>					

TOUR	M	I	D	N	I	G	H	T	S	From	Footage	To	Hrs on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up Kelly	Next Oil Change	GENERAL																
																												At Feet	Degrees	At Feet	Degrees	At Feet	Degrees										
										<i>314</i>							<i>2</i>	<i>10</i>	<i>3</i>	<i>60.40</i>	<i>1407</i>				<i>2862</i>		<i>2862</i>	<i>Drill SURVEY</i>															
B		No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.																								
I		<i>2A</i>	<i>12 1/4</i>	<i>OSG35</i>	<i>OPEN</i>	<i>26978</i>																						<i>2862</i>															
T																												<i>2862</i>															
S																												<i>2862</i>															
		MUD			4 pm	6 pm	8 pm	10 pm	PUMP			4 pm	6 pm	8 pm	10 pm	PUMP			MOTOR HOURS			Next Oil Change																					
		WEIGHT		No. 1		No. 2																																					
		VISCOSITY		MODEL		MODEL																																					
		GEL																																									
		W.L.			F.C.			pH			DESILTER: Hours Op:			U. Flow			O. Flow			SURVEYS			At Feet			Degrees																	
		ADDITIVES:			GENERAL:																																						
		Drilling Line Record			Size			Make			Serial No			No Lines			Trips			Ton Miles			Total Miles			Feet or Cut			At Miles			Date			Start			Stop			Ft. Left on Space		
		<i>1 7/8</i>			<i>Weight</i>			<i>0-1135</i>			<i>B 1/2</i>			<i>30</i>			<i>7776</i>			<i>65</i>			<i>65</i>			<i>2752</i>			<i>11-18-71</i>			<i>8300</i>			<i>2637</i>								

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date	Crown bar Chk'd	Fuel on Hand (2 1/2 gal)	CASING REPORT	RAN	EQUIP
							<i>3692</i>		
							<i>4575</i>		
							<i>1117</i>		

TOTCO RING ON BIT =			Barrel Operated			Hrs			FUEL USED			CEMENT RETURNS			GENERAL		
<i>2</i>			<i>24</i>						<i>1117</i>								

East of 1166-51-53" W 134-58° 58" E

LOCATION *Chevron 503 CW* LSD SEC TWP RGE W DATE *6-28-1967*
 MAILING POINT *Larkin Yukon* SHIPPING POINT *Larkin Yukon* MILFS MOVED *50* ROAD CONDITIONS *0.99 H.*

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
	3	10	3	3	60.90					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
250	8 1/2									

REMARKS	START	STOP	INVT
DRILL	12:00	1:00	1
SURVEY + SEA RIG	1:00	1:15	1/4
Centre Potatoes Here	1:15	1:30	1/4
DRILL	2:00	4:00	1 1/2
SURVEY	4:00	4:15	1/4
DRILL	4:15	7:15	3
SURVEY	7:15	7:30	1/4
DRILL w/800	7:30	8:00	1/2

Total Miles	Fast	Cut	At Miles	Date	Next Slip	Ft. Left on Space
7716	65	65	7752	11-18-71	8300	2637

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
	7	7	7	7	215.33					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
314	12									

REMARKS	START	STOP	INVT
DRILL	11:30	12:30	1
SURVEY	12:30	1:00	1/2
DRILL	1:00	1:15	1/4
DRILL	1:15	1:30	1/4
DRILL	1:30	2:00	1/2
DRILL	2:00	2:15	1/4
DRILL	2:15	2:30	1/2
DRILL	2:30	2:45	1/4
DRILL	2:45	3:00	1/2
DRILL	3:00	3:15	1/4
DRILL	3:15	3:30	1/2
DRILL	3:30	3:45	1/4
DRILL	3:45	4:00	1/2
DRILL	4:00	4:15	1/4
DRILL	4:15	4:30	1/2
DRILL	4:30	4:45	1/4
DRILL	4:45	5:00	1/2
DRILL	5:00	5:15	1/4
DRILL	5:15	5:30	1/2
DRILL	5:30	5:45	1/4
DRILL	5:45	6:00	1/2
DRILL	6:00	6:15	1/4
DRILL	6:15	6:30	1/2
DRILL	6:30	6:45	1/4
DRILL	6:45	7:00	1/2
DRILL	7:00	7:15	1/4
DRILL	7:15	7:30	1/2
DRILL	7:30	7:45	1/4
DRILL	7:45	8:00	1/2
DRILL	8:00	8:15	1/4
DRILL	8:15	8:30	1/2
DRILL	8:30	8:45	1/4
DRILL	8:45	9:00	1/2
DRILL	9:00	9:15	1/4
DRILL	9:15	9:30	1/2
DRILL	9:30	9:45	1/4
DRILL	9:45	10:00	1/2
DRILL	10:00	10:15	1/4
DRILL	10:15	10:30	1/2
DRILL	10:30	10:45	1/4
DRILL	10:45	11:00	1/2
DRILL	11:00	11:15	1/4
DRILL	11:15	11:30	1/2
DRILL	11:30	11:45	1/4
DRILL	11:45	12:00	1/2

Total Miles	Fast	Cut	At Miles	Date	Next Slip	Ft. Left on Space
7746	65	65	7782	11-18-71	8300	2637

Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly	
	7	7	7	7	215.33					
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

REMARKS	START	STOP	INVT
DRILL	11:30	12:30	1
SURVEY	12:30	1:00	1/2
DRILL	1:00	1:15	1/4
DRILL	1:15	1:30	1/4
DRILL	1:30	2:00	1/2
DRILL	2:00	2:15	1/4
DRILL	2:15	2:30	1/2
DRILL	2:30	2:45	1/4
DRILL	2:45	3:00	1/2
DRILL	3:00	3:15	1/4
DRILL	3:15	3:30	1/2
DRILL	3:30	3:45	1/4
DRILL	3:45	4:00	1/2
DRILL	4:00	4:15	1/4
DRILL	4:15	4:30	1/2
DRILL	4:30	4:45	1/4
DRILL	4:45	5:00	1/2
DRILL	5:00	5:15	1/4
DRILL	5:15	5:30	1/2
DRILL	5:30	5:45	1/4
DRILL	5:45	6:00	1/2
DRILL	6:00	6:15	1/4
DRILL	6:15	6:30	1/2
DRILL	6:30	6:45	1/4
DRILL	6:45	7:00	1/2
DRILL	7:00	7:15	1/4
DRILL	7:15	7:30	1/2
DRILL	7:30	7:45	1/4
DRILL	7:45	8:00	1/2
DRILL	8:00	8:15	1/4
DRILL	8:15	8:30	1/2
DRILL	8:30	8:45	1/4
DRILL	8:45	9:00	1/2
DRILL	9:00	9:15	1/4
DRILL	9:15	9:30	1/2
DRILL	9:30	9:45	1/4
DRILL	9:45	10:00	1/2
DRILL	10:00	10:15	1/4
DRILL	10:15	10:30	1/2
DRILL	10:30	10:45	1/4
DRILL	10:45	11:00	1/2
DRILL	11:00	11:15	1/4
DRILL	11:15	11:30	1/2
DRILL	11:30	11:45	1/4
DRILL	11:45	12:00	1/2

Total Miles	Fast	Cut	At Miles	Date	Next Slip	Ft. Left on Space
7776	65	65	7812	11-18-71	8300	2637

Fuel on Hand 12:01 a.m.	Fuel Rec'd Today (add)	TOTAL	Fuel on Hand 11:59 p.m. (drawn)	FUEL USED
5692			4575	1117

CASING REPORT	EQUIPMENT CHANGES	TRANSFER

APPROVED BY: *[Signature]*
 OPERATOR'S REPRESENTATIVE: *[Signature]*
 APPROVED BY: *[Signature]*
 TAGMAN: *[Signature]*

COPY

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG
DIRECTIONS TO WELL

RIG NO 15

LOCATION CHEVRON 50.3. C WINDY PT 156
MAILING POINT HARKIN Yukon SHIPPING POINT HARKIN Yukon

N-66-57

TWP. R3
MILES MOVED

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. on Spool
							1 10" 3"	30.65							

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	17 1/2	OSCAR	3-15	AS060													

MUD	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	PUMP	12 mn	2 am	4 am	6 am	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11778	11678
VISCOSITY					MODEL					MODEL					2 11714	11808
GEL															3 2622	2974
W.L.	FC		pH		DESILTER	Hours Op.		U. Flow		O. Flow					4 1114	1370
ADDITIVES:	GENERAL:															

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Fl. on Spool
1 1/8 W.R. 944	0-1135			8			7716	65	65	7752	11-18-41	5300	263

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. on Spool
0	111	111	7	32			4 10" 3"	60.40							10

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	19 1/2	OSCAR	3 1/2	AS060	10	80	111	3/4				120					

MUD	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	PUMP	8 am	10 am	12 noon	2 pm	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 11736	11678
VISCOSITY					MODEL					MODEL					2 11722	11808
GEL															3 2630	2974
W.L.	FC		pH		DESILTER	Hours Op.		U. Flow		O. Flow					4 1122	1370
ADDITIVES:	GENERAL: Spud in @ 3:15 P.M. Dec 23/41															
															5 3822	3950
															Temp	8 - 250

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Fl. on Spool
1 1/8 W.R. 944	0-1135			8			7716	65	65	7752	11-18-41	5300	263

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Fl. on Spool
142	77	134	1 3/4	33,000											

No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	17 1/2	OSCAR	3-15	AS060	10	80		2 1/2									

MUD	4 pm	5 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	PUMP	4 pm	6 pm	8 pm	10 pm	MOTOR HOURS	Next Change
WEIGHT					No. 1					No. 2					1 1194	11678
VISCOSITY	AIR				MODEL					MODEL					2 11730	11808
GEL	DRILL														3 2638	2974
W.L.	FC		pH		DESILTER	Hours Op.		U. Flow		O. Flow					4 1130	1370
ADDITIVES:	GENERAL: OVER TIME - OBTAINING CEMENT INTO BIN															
															5 2430	2974
															Temp	15 - 175

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet of Cut	At Miles	Date Slip or Cut	Next Slip	Fl. on Spool
1 1/8 W.R. 944	0-1135			8			7752	65	65	7752	11-18-41	5300	263

B.O.P.	Tested	Elapsed Time	Pres. used	Parking & Seal Inspected Date	Clean a mat Check	Fuel on Hand 12:31 a.m. SE	Fuel on Hand 12:31 a.m. SW	Fuel on Hand 12:31 a.m. NE	Fuel on Hand 12:31 a.m. NW	TOTAL	Fuel on Hand	CEMENT RETURNS	YES	NO

TOICO RING ON BIT =	2	Barrel Operated	24	Hrs.										
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CONSERVATION BOARD COPY

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GENERAL:

N-66° 57' 53" W 137° 59' 58"

LOCATION: CHEVRON S.O.B. C.W.P. EAST
MAILING POINT: Parkin Yukon SHIPPING POINT: Parkin Yukon

TWP. RGE. W. DATE: DEC 25 1961
MILES MOVED: 50 ROAD CONDITIONS: Rough

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
		1	10" 3"				30.65				
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
PUMP				MOTOR HOURS				Next Oil Change			
No. 2				1 11778 11678				11678			
MODEL				2 11714 11808				11808			
LIPER				3 2622 2974				2974			
SIZE				4 1114 1370				1370			
U. Flow				5 3814 3072				3072			
O. Flow				SURVEYS				At Feet		Degrees	
				1114				1370			
				Weather: Snow				Water			
				Temp: 30-				100-			
Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
7716	65	65	7752	11-18-71	5300	2657					

REMARKS

11778 11678
11714 11808
2622 2974
1114 1370
3814 3072

Water: Snow
Temp: 30- 100-

DRILLER'S SIGNATURE: [Signature]

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
		2	10				60.40				10
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
111	24				100						
PUMP				MOTOR HOURS				Next Oil Change			
No. 2				1 11786 11678				11678			
MODEL				2 11722 11808				11808			
LIPER				3 2630 2974				2974			
SIZE				4 1122 1376				1376			
U. Flow				5 3822 3950				3950			
O. Flow				SURVEYS				At Feet		Degrees	
				1122				1376			
				Weather: Snow				Water			
				Temp: 8-				250		Bbl	
Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
7716	65	65	7752	11-18-71	5300	2657					

REMARKS

DRILLER'S SIGNATURE: [Signature]

WAIT ON WATER

DRILLER'S SIGNATURE: [Signature]

Singles		DRILL COLLARS		No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.	
PUMP				MOTOR HOURS				Next Oil Change			
No. 2				1 11794 11678				11678			
MODEL				2 11730 11808				11808			
LIPER				3 2638 2974				2974			
SIZE				4 1130 1370				1370			
U. Flow				5 3830 3950				3950			
O. Flow				SURVEYS				At Feet		Degrees	
				112				1370			
				Weather: Snow				Water			
				Temp: 15-				175		Bbl	
Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool					
7752											

REMARKS

DRILLER'S SIGNATURE: [Signature]

DRILL 400 4:30
Fogging Break Stabilizer 7:45 3:4
wouldn't go through spider
SURVEY 112 ft. 1:45 1:00
WORK ON ROTATING 8:00 1:45
4:00
DRILLING 17 1/2 HOLE 8:45 4:15
CHANGE RUBBER ON 1:15 11:15
ROTATING HEAD
DRILL 500 HILL ROAD 11:15 12:00

DRILLER'S SIGNATURE: [Signature]

FUEL ON HAND 12 01 a.m.		CASING REPORT	
gals		BAR	
Fuel Rec'd Today	gals	TO	LB USED
TOTAL	gals	PLUS	LB USED
Fuel on Hand 11 59 a.m.	gals	CEMENT RETURNS	YES NO
FUEL USED	gals		

EQUIPMENT CHANGES

The MEN HAS been Told
AND a Note on BOARD NO
SMOKING ON RIG

DRILLER'S SIGNATURE: [Signature]

FUEL ON HAND 12 01 a.m.		CASING REPORT	
gals		BAR	
Fuel Rec'd Today	gals	TO	LB USED
TOTAL	gals	PLUS	LB USED
Fuel on Hand 11 59 a.m.	gals	CEMENT RETURNS	YES NO
FUEL USED	gals		

APPROVED BY

Operator's Representative: [Signature]

Approved by: [Signature]

DRILLER'S SIGNATURE: [Signature]

COPY

TOUR REPORT

CONTRACTOR *U.P. Drilling* FIG NO *15-66-51*
 5030. *WINDY PINE CRET*
 SEC TWP Rge

FIELD *Vukon* WELL NAME *HEURON* LSD

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *JAN 26* 1972

MUD and CHEMIC

Kind

TOUR 1

TOUR 2

TOUR 3

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 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 P.M.
PUMP	s.p.m.	p.s.i.										
ROTARY SPEED	R.P.M.											
WEIGHT ON BIT	M lbs.											
MUD WEIGHT	lb/gal											
VISCOSITY	sec/qt											
W.L./F.C.	c.c./32nd											
p.H.												
MUD LEVEL IN TANKS	Ft.-Ins.											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT						
TYPE		PREFLOW:	mins	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	AM	PM	Alk
FROM		I.S.I.	mins	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt			Int Gel
TO		V.O.	mins	I.S.I.P.	p.s.i.	G.T.S.	mins	Visc			W.L.F.C.
Recovery		F.S.I.	mins	F.S.I.P.	p.s.i.	F.T.S.	mins	A.V.			p.H.
HOURS		RECOVERY:						P.V.			Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER		<i>W. Krawchuk</i>				
DERRICKMAN		<i>B. Wapstott</i>				
HELPER		<i>J. Macknak</i>				
HELPER		<i>J. Young</i>				
HELPER		<i>H. Krigger</i>				
FIREMAN						
TOOL PUSHER						

Run in Jan
Tea
Weld
Rig

Temp

TOUR REPORT

CONTRACTOR *U.P. Drilling* FIG NO *15-66-51*
 5030. *WINDY PINE CRET*
 SEC TWP Rge

FIELD *Vukon* WELL NAME *HEURON* LSD

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *JAN 26* 1972

MUD and CHEMIC

Kind

TOUR 1

TOUR 2

TOUR 3

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 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 P.M.
PUMP	s.p.m.	p.s.i.										
ROTARY SPEED	R.P.M.											
WEIGHT ON BIT	M lbs.											
MUD WEIGHT	lb/gal											
VISCOSITY	sec/qt											
W.L./F.C.	c.c./32nd											
p.H.												
MUD LEVEL IN TANKS	Ft.-Ins.											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW	mins	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	AM	Alk
FROM		I.S.I.	mins	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt		Int Gel
TO		V.O.	mins	I.S.I.P.	p.s.i.	G.T.S.	mins	Visc		W.L.F.C.
Recovery		F.S.I.	mins	F.S.I.P.	p.s.i.	F.T.S.	mins	A.V.		p.H.
HOURS		RECOVERY						P.V.		Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER		<i>W. Krawchuk</i>				
DERRICKMAN		<i>B. Wapstott</i>				
HELPER		<i>J. Macknak</i>				
HELPER		<i>J. Young</i>				
HELPER		<i>H. Krigger</i>				
FIREMAN						
TOOL PUSHER						

Run in Jan
Tea
Weld
Rig

Temp

TOUR REPORT

FIELD *SILKON* WELL NAME *CHEVRON* CONTRACTOR *C.P. Wm. P. Crook* RIG NO. *15*
 DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *Jan 25* 19*72*
 LSD SEC TWP Rge W

DRILLING ASSEMBLY	END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS .. D.P.	NO. <i>26</i>			FT.	NO. <i>1</i>			FT.	NO. <i>9</i>			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.	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.

TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR				FEET				FEET				FEET
DEPTH START OF TOUR	<i>3109</i>			FEET				FEET	<i>824</i>			FEET
FOOTAGE DRILLED				FEET				FEET				FEET

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 P.M.
PUMP s.p.m. p.s.i.												
ROTARY SPEED R.P.M.												
WEIGHT ON BIT M lbs.												
MUD WEIGHT lb/gal			<i>9.2</i>	<i>9.2</i>								
VISCOSITY sec/qt			<i>45</i>	<i>43</i>								
W.L./F.C. c.c./32nd			<i>40</i>	<i>40</i>								
p.H.			<i>9.4</i>	<i>9.4</i>								
MUD LEVEL IN TANKS Ft.-Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET PER FOOTAGE	FT. HR	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT			
TYPE		PREFLOW:	mins. I.H.P.	p.s.i. I.F.P.	Time	A.M. P.M.	AIK.	
FROM		I.S.I.	mins. F.H.P.	p.s.i. F.F.P.	Mud Wt.		Int. Gel. 10 Min. Gel.	
TO		V.O.	mins. I.S.I.P.	p.s.i. G.T.S.	Visc.		W.L.F.C.	
Recovery		F.S.I.	mins. F.S.I.P.	p.s.i. F.T.S.	A.V.		p.H.	
HOURS		RECOVERY:			P.V.		Solid %	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD Kind Depth Reading
	DRILLER	<i>A. Skovden</i>	<i>U. Sp. + H</i>	
DERRICKMAN	<i>L. Harski</i>	<i>W. ...</i>	<i>R. ...</i>	
HELPER	<i>C. Hillgren</i>	<i>S. ...</i>	<i>J. ...</i>	
HELPER	<i>L. ...</i>	<i>K. ...</i>	<i>J. ...</i>	
HELPER	<i>L. Boye-Huck</i>	<i>K. ...</i>	<i>N. ...</i>	
FIREMAN				
TOOL PUSHER				

MUD and CHEMICAL Kind
 TOUR 1
 TOUR 2
 TOUR 3
 Ran with Disp. C.I.F.
 Felt JA
 Ran 90 Disp
 Note:
 Temp @

1972-13-13

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
OUR	TOUR 1	12 ⁰⁰	12 ¹⁵	Pull 5 stgs + lay 1 single.
FT		12 ¹⁵	12 ⁴⁵	Rig to Run Plug #2
FT		12 ⁴⁵	1 ⁰⁰	Cement + Displace Plug #2
FT		1 ⁰⁰	8 ⁰⁰	Pull 2 stags lay Down 18 S. singles
FT				W.O.C Plug #2.
FT	TOUR 2	9 ⁰⁰	9 ¹⁵	W.O.C plug #2
FT		10 ¹⁵	10 ⁴⁵	Hoist 17 stgs lay Down 2 Singles
FT		10 ⁴⁵	11 ⁰⁰	Run up to Cement
FT		11 ⁰⁰	11 ³⁰	PRESSURE UP ON FORMATION
FT		11 ³⁰	12 ⁴⁰	Run Plug #3
FT		12 ⁴⁵	4 ⁰⁰	W.O.C Plug #3 - lay Down pipe
FT	TOUR 3	9 ⁰⁰		W.O.C Plug #3
R				LAY DOWN PIPE & R.C. SEAL
FEET		11 ⁴⁵	11 ⁴⁵	& CLEAN MUD TANKS
FEET			12 ⁰⁰	Run IN TO FEEL Plug #1
FEET				
HOURS				
12.00 P.M.				

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

Ran plug # 2 - 2600' - 2500'
with 60 SXS Construction Cement + 3% CaCl₂
Displaced with 35.5 Bbls of Mud
C.I.P @ 1⁰⁰ AM JAN 25, 1972

Felt plug # 2 @ 2491' @ 10³⁰ AM
JANUARY 25, 1972

Ran plug # 3 . 869' to 769' with
90 SXS Const. Cement + 3% CaCl₂
Displaced with 10.5 Bbls of Mud
C.I.P @ 12²⁵ PM JAN 25/72.

Note: Closed Hydrill and pressured up on
formation prior to run plug # 3
Formation broke down @ 400 psi
with 9.3#/gal mud. Established a
feed rate of .05 Bbl per minutes with
pressure increasing to 450 psi in 2 min
When stopped pumping pressure
remained at 450 psi.
Temp @ 8⁰⁰ AM. 65°

J. Verrill
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Yukon** WELL NAME **NEURON** CONTRACTOR **S.O.B.C. WATER** RIG NO. **15**
 LSD SEC TWP Rge W
 CAZK. N-66-57-177-53-58
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **Jan 24 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS .. D.P. NO. 32	309259 FT.	32 309259 FT.	32 309259 FT.
SINGLE .. D.P. NO.		2	2
X-OVER SUB .. O.D.			
OTHER .. O.D.			
DRILL COLLARS .. O.D.			
DRILL COLLARS .. O.D. NO. KIND			
REAMER .. O.D. KIND			
STABILIZER .. O.D. KIND			
JARS .. O.D. KIND			
BUMPER SUB			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	309259 FT.	309259 FT.	309259 FT.
KELLY DOWN (BELOW R.B.)	1641 FT.	1641 FT.	1641 FT.
DEPTH OF TOOLS	310900 FT.	310900 FT.	310900 FT.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			
DEPTH START OF TOUR	3109 FEET	3109 FEET	3109 FEET
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 P.M.
PUMP S.P.M. P.S.I.												
ROTARY SPEED R.P.M.												
WEIGHT ON BIT M lbs												
MUD WEIGHT lb/gal			9.3	9.3								
VISCOSITY sec/cT			42	42								
W.L./F.C. c.c./32nd			9.5	9.5								
p.H.			9.5	9.5								
MUD LEVEL IN TANKS Ft.-Ins.			4-8'									

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT			
TYPE		PREFLOW:	mins IHP	p.s.i. IFP	Time	A M P M	Atk	
FROM		I.S.I.	mins FHP	p.s.i. FFP	Mud Wt.		Int. Gel	10 Min. Gel
TO		V.O.	mins ISIP	p.s.i. GTS	mins	Visc	WLF C	
Recovery		F.S.I.	mins F S I P	p.s.i. F T S	mins	A V	p.H.	
HOURS		RECOVERY				P V	Sand	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>A. Skurvin</i>	<i>P. Smith</i>	<i>W. Tolson</i>	Kind	Depth	Reading
DERRICKMAN	<i>L. Larecki</i>	<i>W. Green</i>	<i>G. Wengst</i>		3090	
HELPER	<i>C. Hillgren</i>	<i>W. Murray</i>	<i>J. Macdonald</i>			
HELPER	<i>L. Zumbado</i>	<i>H. Green</i>	<i>J. Murray</i>			
HELPER	<i>L. Boychuck</i>	<i>D. Gootli</i>	<i>A. Brindley</i>			
FIREMAN						
TOOL PUSHER	<i>John Larson</i>					

MUD and CHEMICAL Kind
 TOUR 1
 TOUR 2
 TOUR 3
 WAIT
 Ran with MIXED Disp Cem

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12 ⁰⁰	14 ¹⁵	Pick up 15 singles & Run in See Rig Check B.O.P. Circ O-ENG.
		12 ¹⁵	1 ²⁰	
		1 ⁰⁰	8 ¹⁵	
TOUR 2		8 ⁰⁰	4 ⁰⁰	Circ. & wait on Cementors
TOUR 3		4 ⁰⁰	8 ⁰⁰	Circ AND WAIT ON CEMENTORS
		8 ⁰⁰	11 ⁰⁵	START CEMENT UNIT & R.G
		11 ⁰⁵	12 ⁰⁰	Up to Run Plug #1 Run plug #1

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

WAITED ON cementors to run plugs.

Ran plug # 1 3109 - 2885
with 130 SXS Construction Cement.
MIXED cement to a 15.6^{lb}/gal slurry.
Displaced with 41 Bbls of drilling Mud.
Cement in place at 12⁰⁰ Midnite Jan 29/72

Temp @ 8⁰⁰ AM - 43°F

J. Veary
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Yukon**

WELL NAME **Chavon 5000**

CONTRACTOR **G.P. WATER**
LSD SEC TWP

RIG NO **15**
Rpt W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

Jan 23

1972

MUD and CHEMICAL Kind

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS .. D.P. NO. 262 253 214 FT. 26- 2538 1-1 FT. NO. FT.			
SINGLE .. D.P. NO. FT. NO. 2. FT. NO. FT.			
X-OVER SUB .. O.D. 321 FT. 1 FT. FT.			
OTHER .. O.D. FT. FT.			
DRILL COLLARS 7 O.D. 18 55124 FT. 2-1 2-1 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 BARRE.. FT. FT. FT.			
TOTAL D.P. & TOOLS 309259 FT. 309259 FT. FT.			
KELLY DOWN (BELOW R.B.) 1641 FT. 1641 FT. FT.			
DEPTH OF TOOLS 310900 FT. 310900 FT. FT.			

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR FEET			
DEPTH START OF TOUR FEET	3109	3109	
FOOTAGE DRILLED FEET			

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 P.M.
PUMP s.p.m. p.s.i.	/	/	/	/	/	/	/	/	/	/	/	/
ROTARY SPEED R.P.M.												
WEIGHT ON BIT M lbs.												
MUD WEIGHT lb/gal												
VISCOSITY sec/qt												
W.L./F.C. c.c./32nd												
p.H.												
MUD LEVEL IN TANKS Ft.-Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT HR	BIT CONDITION

CORE No.	No.	DST No. 1	FROM 2521	TO 2600	MUD ENGINEER'S REPORT			
TYPE		PREFLOW 5 mins.	IHP 1212 psi.	I.F.P. 114 psi.	Time	AM P.M.	Alk	
FROM		I.S.I. 60 mins.	F.H.P. 1212 psi.	F.F.P. 132 psi.	Mud Wt		Int. Gel	10 Min. Gel
TO		V.O. 60 mins.	I.S.I.P. 1200 psi.	G.T.S. No mins.	Visc		W.L.F.C.	
Recovery		F.S.I. 90 mins.	F.S.I.P. 1200 psi.	F.T.S. No mins.	A.V.		p.H.	
HOURS		RECOVERY			F.V.		Sond	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	A. SKINNER	D. SMITH	W. Krauch	Kind	Depth	Reading
DERRICKMAN	L. LAJESKI	W. GREEN	B. Wagsley	6 1/2	3092	1
HELPER	C. HILLGREN	S. McMINN	J. Trachsel			
HELPER	L. ZIMMER	K. CARRN	J. Young			
HELPER	L. BOYCHUCK	C. McSOUTH	R. Briggler			
FIREMAN						
WHEEL PUSHER	James					

DST #
By
Ran
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Rec'd

Good
V.O.
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Temp @

7-13-58

1972

OUR
 FT.
 FT.
 FT.
 FT.
 FT.
 FT.
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 FT.
 FT.
 FT.
 FEET
 FEET
 FEET
 HOURS
 12:00 P.M.

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12 ⁰⁰	12 ⁴⁵	See Rig CHECK B.O.P.s
		12 ¹⁵	1 ⁰⁰	Run in
		12 ⁴⁵	2 ¹⁵	Makeve testing Hemo. CKICKS AND TESTING
		2 ¹⁵	6 ¹⁵	Testing
		6 ¹⁵	6 ⁴⁵	Break out testing Hemo. CKICKS AND HOIST RACKER.
		6 ⁴⁵	8 ⁰⁰	
TOUR 2		8 ⁰⁰	9 ³⁰	HOIST RACKER & RECORD RECORDS
		9 ³⁰	11 ³⁰	BREAK SERVICE & Lay Down TOOLS
		11 ³⁰	3 ⁰⁰	WAIT ON ORDERS
		3 ⁰⁰	4 ⁰⁰	Rig Service & B.O.P.s ✓
				LOAD OUT TESTING TOOLS
TOUR 3		9 ⁰⁰	9 ³⁰	R.G. SEV & Bop's
		9 ³⁰	5 ⁰⁰	RUN IN Drill COLLARS
		5 ⁰⁰	8 ³⁰	RO up LAY Down & LAY DOWN Drill COLLARS
		8 ³⁰	10 ³⁰	STEAM STANDS & Run IN OPEN END
		10 ³⁰	10 ⁴⁵	PICKUP SINGLES & Replace COLLARS
		10 ⁴⁵	11 ³⁰	Boiler quit, WORK ON STEAMING

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

DST # 1 - 2521 - 2600

By Johnston Tester.

Ran dual Straddle test with safety ft. lee jars 3 recorders. MFE Tool - Pump out sub 90' above tool.

Preflow 5 mins - 151 60 mins UO 60 mins F21 90 mins

Good initial puff on preflow - 10 sec blow on V.O. decreasing and dying in 12 mins. No gas or fluids to surface.

Recovered 280' of fluids; 30' oily mud and 250' of mud cut fresh water
 66% water 33% mud
 Cl 250 ppm (less than mud 350 ppm)

pH - 8.0 BHT 98°F.

Temp @ 8:00 AM - 30°F

J. Veary
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Yukon* WELL NAME *Churon*

CONTRACTOR *G.P. W&P* RIG NO. *15*
 S.O. *13* C. *CRACK* N-66-57-172-58-58
 LSD SEC TWP Rge W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT *Jan 22 1972*

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS .. D.P. NO. <i>26</i>	<i>246607</i> FT.	<i>246607</i> FT.	NO
SINGLE .. D.P. NO. <i>2</i>	<i>6294</i> FT.	<i>6284</i> FT.	NO
X-OVER SUB .. O.D.	<i>321</i> FT.	<i>321</i> FT.	
OTHER .. O.D.			
DRILL COLLARS <i>7</i> O.D. <i>18</i>	<i>55124</i> FT.	<i>55124</i> FT.	
DRILL COLLARS .. O.D. NO.			
REAMER .. O.D. KIND			
STABILIZER <i>8 1/4</i> O.D. <i>CH</i>	<i>923</i> FT.	<i>923</i> FT.	
JARS			
BUMPER SUB.			
BIT OR CORE BARREL			
TOTAL D.P. & TOOLS	<i>309259</i> FT.	<i>309259</i> FT.	
KELLY DOWN (BELOW R.B.)	<i>1641</i> FT.	<i>1641</i> FT.	
DEPTH OF TOOLS	<i>310900</i> FT.	<i>310900</i> FT.	
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			
DEPTH START OF TOUR	<i>3109</i> FEET	<i>3109</i> FEET	
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 P.M.
PUMP s.p.m. p.s.i.						<i>60</i> <i>1400</i>	<i>60</i> <i>1700</i>					
ROTARY SPEED R.P.M.												
WEIGHT ON BIT M lbs.												
MUD WEIGHT lb/gal												
VISCOSITY sec/qt												
W.L./F.C. c.c./32nd												
p.H.												
MUD LEVEL IN TANKS Ft.-Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT HR	BIT CONDITION
<i>RDS</i>	<i>8 1/4</i>	<i>36391</i>	<i>H.W YDV</i>	<i>2-11</i> <i>1-10</i>						

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT		
					TYPE	RECOVERY	HOURS
					PREFLOW: mins. I.H.P. p.s.i.	I.F.P. p.s.i.	Time A.M. P.M.
					FROM I.S.I. mins. F.H.P. p.s.i.	F.F.P. p.s.i.	Mud Wt
					TO V.O. mins. I.S.I.P. p.s.i.	G.T.S. mins.	Visc
					Recovery F.S.I. mins. F.S.I.P. p.s.i.	F.T.S. mins.	A.V. p.H.
					HOURS RECOVERY:		Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
	<i>A. Skinner</i>	<i>O. Smith</i>	<i>W. ...</i>			
	<i>L. ...</i>	<i>W. Green</i>	<i>G. ...</i>		<i>3090</i>	<i>1</i>
	<i>C. ...</i>	<i>J. McKinney</i>	<i>J. ...</i>			
	<i>L. ...</i>	<i>K. Green</i>	<i>J. ...</i>			
	<i>L. ...</i>	<i>G. Njootle</i>	<i>K. ...</i>			
		<i>D. Lord</i>				
		<i>R. ...</i>				

MUD and CHEMICAL Kind

TOUR 1

TOUR 2

TOUR 3

Plan

BNC-S

FD 6

Plan

8:00 AM

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE		
1972	Kind	Amount				
OUR	TOUR 1		12 ⁰⁰	1 ⁰⁰	Logging Velocity Survey Tonn Out Logging Equipment. Running in w/d.	
		FT.		1 ³⁰		6 ⁰⁰
		FT.		6 ⁰⁰		7 ⁰⁰
	FT.			7 ⁰⁰	8 ⁰⁰	
	TOUR 2	FT.		8 ⁰⁰	8 ³⁰	Finish in w/ BIT Blow Mud Lines & INSTALL Tally HOSE Clean 7 FT TO BOTTOM CIRC. & WAIT ON ORDERS INSTALL NEW FAN BELTS ON #1 Floor Motor Blow Tally Hoist to TEST & STRAP
		FT.		8 ³⁰	9 ⁰⁰	
		FT.		9 ⁰⁰	11 ¹⁵	
		FT.		11 ¹⁵	2 ⁰⁰	
		FT.		2 ⁰⁰	3 ⁰⁰	
		FT.		3 ⁰⁰	3 ³⁰	
FT.			3 ³⁰	4 ⁰⁰		
R	TOUR 3		4 ⁰⁰	6 ⁰⁰	Hoist to TEST & STRAP Break Down STABILIZERS & B.T. MAKE UP PACKER Double STRADDLE & LIFT PIPE & T/W OUT SAME PICK TEST TOOLS OUT OF TANK. Run in Slows	
		FEET		6 ⁰⁰		6 ⁴⁵
		FEET		6 ⁴⁵		10 ³⁰
		FEET				
HOURS			11 ³⁰	12 ⁰⁰		

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

Run the following Schlumberger logs
 DILK - from Surface Casings to T.D
 BHC - Sonic w/ G.R. cal. " " " "
 FDL w/ GR from 1500' to TD

Run Velocity survey by Century Geophysical.

8⁰⁰ AM Temp: = 34.0 F

J. Dennis
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. West Pine Creek** RIG NO. **15**
 WELL NAME **CHEVRON 508C** LSD SEC TWP Rge W
 FOR 24 HOURS ENDING 12 MIDNIGHT **JAN 21 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS 4 1/2 D.P. NO. 261	249763	FT.	NO. 26	246607	FT.	NO. 26	246607	FT.	
SINGLE D.P. NO.		FT.	NO. 2	6284	FT.	NO. 2	6284	FT.	
X-OVER SUB O.D.	321	FT.		321	FT.		321	FT.	
OTHER O.D.		FT.			FT.			FT.	
DRILL COLLARS 7 O.D. 13	55124	FT.		55124	FT.		55124	FT.	
DRILL COLLARS O.D. NO.		FT.	NO.		FT.	NO.		FT.	
REAMER O.D. KIND		FT.	KIND		FT.	KIND		FT.	
STABILIZER 8 1/4 O.D. Chast	923	FT.	KIND	923	FT.	KIND	923	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	306131	FT.		309259	FT.		309259	FT.	
KELLY DOWN (BELOW R.B.)	2869	FT.		19	FT.		19	FT.	
DEPTH OF TOOLS	309000	FT.		311159	FT.		311159	FT.	

MUD and CHEMICALS
Kind
TOUR 1
TOUR 2
TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	3090 FEET	3111 FEET	3109 FEET
DEPTH START OF TOUR	3061 FEET	3090 FEET	3109 FEET
FOOTAGE DRILLED	29 FEET	21 FEET	T D FEET

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 P.M.
PUMP s.p.m. p.s.i.	60	60			60	60						
ROTARY SPEED R.F.M.	52	52			52	52						
WEIGHT ON BIT M lbs.	38	38			38	38						
MUD WEIGHT lb/gal	9.3	9.3			9.3	9.3						
VISCOSITY sec/qt	43	44			51	68						
W.L./F.C. c.c./32nd	9.5	9.5			9.5	9.5						
p.H.	9.5	9.5			9.5	9.5						
MUD LEVEL IN TANKS Ft.-Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION
4	8 1/4	343394	Smith 3FS	3/10	51	3090	3090	452		7-5-1
5	8 1/4	343394	Security 588	3-11	1-10	3090	3111	21	3 Hrs	

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT		
TYPE		PREFLOW:	mins. I.H.P.	p.s.i. I.F.P.	p.s.i.	Time	A.M. P.M.
FROM		I.S.I.	mins. F.H.P.	p.s.i. F.F.P.	p.s.i.	Mud Wt	Aik. Int. Gel. 10 Min. Gel.
TO		V.O.	mins. I.S.I.P.	p.s.i. G.T.S.	mins.	Visc.	W.L.F.C.
Recovery		F.S.I.	mins. F.S.I.P.	p.s.i. F.T.S.	mins.	A.V.	p.H.
HOURS		RECOVERY:				P.V.	Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	H. Skinner		W. Krawinkel	Kind	Depth	Reading
DERRICKMAN	L. H. Paski		B. Wagner	Topo	3009	1 3/4
HELPER	C. Hillgren		J. Madrak	Tilo	3090	1
HELPER	L. Zimmer		J. Young			
HELPER	L. Ruychuck		R. Bergden			
FOREMAN						
OTHER						

Drill ca
 Given
 Doub
 Ma
 T.D.
 Temp @

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		12 ⁰⁰	1 ¹⁵	Drilling
OUR	TOUR 1	1 ¹⁵	1 ³⁰	SEA RIG + CHECK B.O.P.
07 FT.		1 ³⁰	4 ³⁰	Drilling
09 FT.		4 ³⁰	4 ⁴⁵	SUNNY
21 FT.		4 ⁴⁵	6 ³⁰	Hoist, Close + Open Bling Rams
FT.		6 ³⁰	8 ⁰⁰	Run in
FT.				
FT.	TOUR 2	8 ⁰⁰	8 ³⁰	Finish in w/ B.T.H.S
23 FT.	1500 # OIL RAPID DRILL 6"	8 ³⁰	9 ⁰⁰	Show Mud Lines + Break Circ
FT.		9 ⁰⁰	11 ⁰⁰	Clean to Bottom
FT.		11 ⁰⁰	2 ⁰⁰	Drift
FT.		2 ⁰⁰	3 ⁰⁰	Circ. + Work Pipe
59 FT.		3 ⁰⁰	3 ³⁰	Show Mud Lines + Break Oil Jelly Hose
FT.		3 ³⁰	4 ⁰⁰	Hoist to loc
79 FT.	TOUR 3	4 ⁰⁰	5 ³⁰	Hoist to LAB + Double MEASURE OUT
FEET		5 ³⁰	6 ¹⁵	R.6 up to Logg
FEET		6 ¹⁵	12 ⁰⁰	LOGGING
FEET				
HOURS				
12.00 P.M.				

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

Drilled 8 3/4" hole to 3111'
 Circulated condition hole to log
 Double Strapped out of hole
 Pipe tally : 3133.59
 Double Strap 3131.01
 diff 2.58
 Made 2.58' correction
 TD of hole : 3109'

Temp @ 8:00 AM - 36°

J. Verry
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON**

WELL NAME **Chelron**

CONTRACTOR **G.P. WARD** RIG NO **15**
 LSD SEC TWP N-66-57-127-53-58

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **Jan 20**

1972

MUD and CHEMICALS

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS 4 1/2 D.P.	NO. 25	237	136 FT.	NO. 25	237	136 FT.	NO. 26	246	607 FT.
SINGLE D.P.	NO.		FT.	NO. 2	63	35 FT.	NO.		FT.
X-OVER SUB O.D.		321	FT.		321	FT.		321	FT.
OTHER O.D.			FT.			FT.			FT.
DRILL COLLARS 7 O.D.	18	55	124 FT.		55	124 FT.		55	129 FT.
DRILL COLLARS O.D.	NO.		FT.	NO.		FT.	NO.		FT.
REAMER O.D.	KIND		FT.	KIND		FT.	KIND		FT.
STABILIZER 8 1/4 O.D.	Hard KIND	923	FT.	923	FT.		923	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		293	504 FT.		299	39 FT.		302	975 FT.
KELLY DOWN (BELOW R.B.)		189	6 FT.		20	FT.		32	00 FT.
DEPTH OF TOOLS		295	400 FT.		301	8 FT.		306	175 FT.

Tour	Kind
TOUR 1	
TOUR 2	
TOUR 3	

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2954 FEET	3018 FEET	3061 FEET
DEPTH START OF TOUR	2876 FEET	2954 FEET	3018 FEET
FOOTAGE DRILLED	78 FEET	64 FEET	53 FEET

JAY WORK	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 P.M.
PUMP	60	60	60	60	60	60	60	60	60	60	60	60
ROTARY SPEED	52	52	52	52	52	52	52	52	52	52	52	52
WEIGHT ON BIT	38	38	38	38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38
MUD WEIGHT	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
VISCOSITY	45	48	48	47	44	43	44	44	4.3	4.3	4.2	4.2
W.L./F.C.	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5
p.H.	9.5	9.5	9.5	9.5			8.5	8.5	8.5	8.5	8.5	8.5
MUD LEVEL IN TANKS				4.1								

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION
4	8 1/4	G4909	Smith 3 1/2	3/10		2648				

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW:	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M. / P.M.	Alk.
FROM		I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.		Int. Gel.
TO		V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.		W.L.F.C.
Recovery		F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.		p.H.
HOURS		RECOVERY:						F.V.		Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>A. Sturson</i>	<i>D. Smith</i>	<i>W. Krawchuk</i>	Kind	Depth	Reading
DERRICKMAN	<i>L. Lapinski</i>	<i>W. Dyer</i>	<i>B. Wagstaff</i>	100	2430	1'
HELPER	<i>C. Hilligan</i>	<i>M. Kanning</i>	<i>J. Mackinac</i>			
HELPER	<i>L. Ziminski</i>	<i>D. Dyer</i>	<i>J. Young</i>	6100	3007	1 1/2"
HELPER	<i>L. Rowland</i>	<i>D. Nyovili</i>	<i>R. Bishop</i>			
FIREMAN						
TOOL PUSHER	<i>J. Hudson</i>					

Jan 20 1972

53-58

14

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL 'WORK' DONE
1972	Kind	Amount		
OUR	TOUR 1			
27		12 ⁰⁰	12 ¹⁵	Drilling
		12 ¹⁵	12 ³⁰	Sea King B.O.B.
		12 ³⁰	8 ⁰⁰	Drilling
21				
19				
	TOUR 2	8 ⁰⁰	10 ³⁰	DRILL
23		10 ³⁰	11 ⁰⁰	RIP SERVICE - 13 UPS - RIG SQUARES
				CROWN-A-MATIC
		11 ⁰⁰	1 ³⁰	DRILL
		1 ³⁰	2 ⁰⁰	CHECK MUD PUMP
75		2 ⁰⁰	4 ⁰⁰	DRILL
00				
75	TOUR 3	4 ⁰⁰	7 ⁰⁰	DRILL 8 3/4" HOLE
R		7 ⁰⁰	7 ⁴⁵	SURVEY, R.G SERVICE & BOYS
FEET		7 ⁴⁵	10 ⁴⁵	DRILL
FEET		10 ⁴⁵	11:15	CHANGE GLAND PACKING ON #1 PUMP
FEET		11 ¹⁵	12 ⁰⁰	DRILL
HOURS				
12.00 P.M.				

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

52

8 35-38

9.3

42

296

85

ION

PORT

Gel

m.

m.

Reading

1'

1 3/4"

Temp @ 8:00 A.M. = 30°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR *C.P.*

RIG NO *15*

FIELD *Yukon*

WELL NAME *CHEVRON*

50.55 ~~W.H. 100~~ *W.H. 100* ~~Creek~~ *N-66-57-177-58-58*

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

Jan 19

1972

MUD and CHEMICALS

Kind

DRILLING ASSEMBLY		END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS	D.P.	NO. <i>220</i>	<i>214943</i>	FT.	NO. <i>23</i>	<i>288166</i>	FT.	NO. <i>23</i>	<i>227683</i>	FT.
SINGLE	D.P.	NO.	<i>321</i>	FT.	NO. <i>1</i>	<i>3185</i>	FT.	NO.		FT.
OVER SUB	O.D.			FT.		<i>321</i>	FT.		<i>321</i>	FT.
OTHER	O.D.			FT.			FT.			FT.
DRILL COLLARS	O.D.	<i>7</i>	<i>55124</i>	FT.	<i>18</i>	<i>55124</i>	FT.		<i>55124</i>	FT.
DRILL COLLARS	O.D.	NO.		FT.	NO.		FT.	NO.		FT.
REAMER	O.D.	KIND		FT.	KIND		FT.	KIND		FT.
STABILIZER	O.D.	<i>8 1/4</i>	<i>923</i>	FT.	KIND	<i>923</i>	FT.	KIND	<i>923</i>	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			<i>271411</i>	FT.		<i>27719</i>	FT.		<i>284051</i>	FT.
KELLY DOWN (BELOW R.B.)			<i>2289</i>	FT.		<i>28</i>	FT.		<i>3600</i>	FT.
DEPTH OF TOOLS			<i>273700</i>	FT.		<i>280519</i>	FT.		<i>287651</i>	FT.

TOUR 1

TOUR 2

TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>2737</i> FEET	<i>2805</i> FEET	<i>2876</i> FEET
DEPTH START OF TOUR	<i>2660</i> FEET	<i>2737</i> FEET	<i>2805</i> FEET
FOOTAGE DRILLED	<i>77</i> FEET	<i>68</i> FEET	<i>71</i> FEET

GEL
2200/lbs
Redrill
4 sack

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 P.M.
PUMP	<i>64</i>	<i>64</i>	<i>64</i>	<i>64</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>	<i>60</i>
ROTARY SPEED	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>	<i>52</i>
WEIGHT ON BIT	<i>38</i>	<i>38</i>	<i>38</i>	<i>38</i>	<i>3 3/4</i>	<i>3 3/4</i>	<i>3 3/4</i>	<i>3 3/4</i>	<i>3 3/4</i>	<i>3 3/4</i>	<i>3 3/4</i>	<i>3 3/4</i>
MUD WEIGHT	<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>9.3</i>	<i>9.3</i>	<i>9.3</i>	<i>9.5</i>	<i>9.5</i>	<i>4.5</i>
VISCOSITY	<i>42</i>	<i>42</i>	<i>42</i>	<i>42</i>	<i>43</i>	<i>42</i>	<i>43</i>	<i>43</i>	<i>43</i>	<i>38</i>	<i>46</i>	<i>46</i>
W.L./F.C.	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>
p.H.	<i>9.5</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>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>	<i>9.5</i>
MUD LEVEL IN TANKS												

OTHER

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION
<i>4</i>	<i>8 1/4</i>	<i>6N00</i>	<i>SMITH 355</i>	<i>3/10</i>	<i>254</i>	<i>2648</i>	<i>2876</i>	<i>228</i>		<i>IN</i>

CORE	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE			PREFLOW: mins.	I.H.P.:	p.s.i.	I.F.P.:	p.s.i.	Time	A.M.	Alk.
FROM			I.S.I.:	mins.	F.H.P.:	p.s.i.	F.F.P.:	p.s.i.	Mud Wt.	Int. Gel. 10 Min. Gel.
TO			V.O.:	mins.	I.S.I.P.:	p.s.i.	G.T.S.:	mins.	Visc.	W.L.F.C.
Recovery			F.S.I.:	mins.	F.S.I.P.:	p.s.i.	F.T.S.:	mins.	A.V.	p.H.
HOURS			RECOVERY:						P.V.	Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>A. Skinner</i>	<i>V. Smith</i>	<i>W. Krawinkel</i>	Kind	Depth	Reading
DERRICKMAN	<i>L. Kozicki</i>	<i>W. Green</i>	<i>B. Wagstaff</i>	<i>1'</i>	<i>2450</i>	<i>1'</i>
HELPER	<i>C. Hillgren</i>	<i>J. McInnis</i>	<i>J. Mackin</i>			
HELPER	<i>L. Simon</i>	<i>R. Green</i>	<i>J. Young</i>			
HELPER	<i>L. Belchick</i>	<i>S. Nye</i>	<i>R. Bright</i>			
FIREMAN	<i>J. ...</i>					
TOOL PUSHER	<i>J. ...</i>					

John B. B.

7-58-58

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12:00	3:15	Drilling
		3:30	3:30	SEA RIG. CHECK B.O.Ps
		3:30	8:10	DRILL 29
TOUR 2		8:00	10:45	DRILL
		10:45	11:15	RIG SERVICE: B.O.Ps RIG SAVERS
		11:15	4:00	CROWN-A-MATIC DRILL
TOUR 3		4:00	5:30	DRILL 8 1/2
GEL		5:30	5:45	RIG SERVICE & BOP'S
2200 lbs	2200 lbs	5:45	12:00	DRILL
RANDALL				
4 SACK	8 lbs			

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

OTTER CSB MADE TRIP TO RIG FROM PARKIN BASE

12:00 P.M.

060

52

3 1/2 8

45

46

48

432

9.2

REPORT

Reading

1'

Temp @ 8:00 P.M. -38°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON** WELL NAME **CLLORON** SUBC **CONTRACTOR G.P.** RIG NO. **7-177-58-5**
 DRILLING DEEPENING COMPLETING REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **JAN. 18 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS .. D.P. NO.21	199 156 FT.	NO.21 199 176 FT.	NO.22 208 618 FT.
SINGLE .. D.P. NO.			
X-OVER/SUB .. O.D.	321 FT.	321 FT.	321 FT.
OTHER .. O.D.			
DRILL COLLARS .. 18-9 D.	55 125 FT.	18 55 125 FT.	55 125 FT.
DRILL COLLARS .. O.D. NO.	77 FT.	78 FT.	
REAMER .. O.D. KIND			
STABILIZER .. O.D. KIND	923 FT.	923 FT.	923 FT.
JARS .. O.D. KIND	675 FT.	675 FT.	
BUMPER SUB. .. O.D. KIND			
BIT OR CORE BARREL	5399 FT.	5398 FT.	
TOTAL D.P. & TOOLS	261676 FT.	261696 FT.	
KELLY DOWN (BELOW R.B.)	25 FT.	3124 FT.	1100 FT.
DEPTH OF TOOLS	2639 FT.	264820 FT.	266048 FT.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	0 FEET	2648 FEET	2660 FEET
DEPTH START OF TOUR	0 FEET	2639 FEET	2648 FEET
FOOTAGE DRILLED	0 FEET	9 FEET	12 FEET

	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 P.M.
PUMP s.p.m. p.s.i.			600	52	600	52			64	1050	64	1050
ROTARY SPEED R.P.M.			65	65	65	65			27	52	27	52
WEIGHT ON BIT M lbs.			24	24	24	24			37	35	"	"
MUD WEIGHT lb/gal			9.3	9.3	9.3	9.3			9.3	9.3	9.3	9.3
VISCOSITY sec/qt			42	41	42	41			42	42	42	42
W.L./F.C. c.c./32nd			10	12	10	12			10	10	10	10
p.H.			9.5	9.5	9.5	9.5			9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS Ft.-Ins.							4.7"					

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION
3	8 3/4	1063	Williams	3-10	24 1/2	2596	2648	52		
4	8 3/4	64909	Smith	3-10		2648				

CORE No. 8	No. 9	DST No.	FROM	TO	MUD ENGINEER'S REPORT			
TYPE	0	0	PREFLOW: mins. I.H.P. p.s.i.	I.F.P. p.s.i.	Time	A.M. P.M.	ALK.	
FROM	2603	2639	I.S.I. mins. F.H.P. p.s.i.	F.F.P. p.s.i.	Mud Wt.		Int. Gel. 10 Min. Gel.	
TO	2639	2648	V.O. mins. I.S.I.P. p.s.i.	G.T.S. mins.	Visc.		W.L./F.C.	
Recovery	36'	9'	F.S.I. mins. F.S.I.P. p.s.i.	F.T.S. mins.	A.V.		p.H.	
HOURS	2 1/2	3 1/2	RECOVERY:		P.V.		Solid %	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	M. Almslow	A. Skowron	D. Smith	King	Depth	Reading
DERRICKMAN	Ken Beck	L. Hadaszki	W. Brown	King	2450	1'
HELPER	C. Keenan	C. Hillgreen	S. P. King			
HELPER	Ed Kelly	T. Zimann	K. Brown			
HELPER	R. Albert	L. Boychuck	S. Nyvick			
FIREMAN						
TOOL PUSHER						

MUD and CHEMICAL Kind

TOUR 1

TOUR 2

TOUR 3

Cut Core
 Full Co
 Recovered

Cut Core

Temp @

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		12 ⁰⁰	12 ³⁰	CUTTING Core #8 Lost 200 psi.
TOUR 1		12 ³⁰	1 ⁰⁰	CHANGE PUMP & CLOCK
18 FT.		1 ⁰⁰	3 ⁰⁰	HOIST WRET PIPE TO CHECK FOR WASH
FT.		3 ⁰⁰	4 ¹⁵	RECOVER CORE
21 FT.		4 ¹⁵	4 ⁴⁵	CHECK BIT & BBL Pick up. RANNA JARS
FT.				REG. S. MANIC
25 FT.		4 ⁴⁵	6 ⁴⁵	RUN IN CHECK TOOL JOINT & DC.
FT.				CIRC TO CORA
FT.				
TOUR 2		8 ⁰⁰	11 ³⁰	CORING Core #9
23 FT.		11 ³⁰	1 ⁰⁰	HOIST CORE BRACK
FT.		1 ⁰⁰	2 ⁰⁰	HANDLE BOX CORE BITER CORE BRACKS
FT.		2 ⁰⁰	3 ⁰⁰	SEALED CORE BRACKS & TRAY DOWN SAND.
FT.		3 ⁰⁰	3 ⁰⁰	SEALED CHECK BLS
FT.		3 ⁰⁰	4 ⁰⁰	RUN IN DCs
0 FT.				
18 FT.		4 ⁰⁰	5 ³⁰	SHIP & CUT DRILLING LINE
R		5 ³⁰	8 ⁴⁵	REG. S. MANIC
FEET		5 ⁴⁵	7 ¹⁵	RUN IN W. BIT #4
FEET		7 ¹⁵	7 ³⁰	BLOW KALHY-BRACK CIRC.
FEET		7 ³⁰	9 ³⁰	CLEAN OUT TO BOTTOM
HOURS		9 ³⁰	12 ⁰⁰	DRIFT 8 3/4

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

Cut Core No. 8 2603'-2639' Lost 200 psi. Pump Press.
 Pulled Core BBL TO CHECK FOR WASHOUT IN STRING
 RECOVERED 36' CORE. NO SIGN OF WASHOUT IN STRING.

Cut Core No. 9 2629'-2648' Rec. 9'

Temp @ 8:00 A.M. - 56°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **B.P.** RIG NO. **15**
 FIELD **YUKON** WELL NAME **CHURON SUBC** LSD **WHP** SEC **CRK** TWP **N6L-47-W-17-58**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT **Jan 17 1972**

MUD and CHEMICALS	
Kind	Tour
Caustic MAGCORCEL RAPIDRIL CMC	TOUR 1
Caustic MAGCORCEL RAPIDRIL CMC	TOUR 2
	TOUR 3

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR						
STANDS " D.P. NO. 20	1899	29	FT.	202	1960	02	FT.	21	1991	56	FT.		
SINGLE " D.P. NO. 2		62	1/4	FT.			FT.				FT.		
X-OVER SUB " O.D.		32	1	FT.		32	1	FT.		22	1	FT.	
OTHER " O.D.		1		FT.				FT.				FT.	
DRILL COLLARS " 7 O.D. 18	55	12	5	FT.		55	12	5	FT.	55	12	5	FT.
DRILL COLLARS " O.D. NO. 78		78		FT.		78		FT.		78		FT.	
REAMER " O.D. KIND				FT.				FT.				FT.	
STABILIZER " O.D. KIND		92	3	FT.		92	3	FT.		92	3	FT.	
JARS " O.D. KIND		67	5	FT.		67	5	FT.		67	5	FT.	
BUMPER SUB. " O.D. KIND				FT.				FT.				FT.	
BIT OR CORE BARREL		53	9	FT.		53	9	FT.		53	9	FT.	
TOTAL D.P. & TOOLS	258	464		FT.	258	472		FT.	261	676		FT.	
KELLY DOWN (BELOW R.B.)		25		FT.		41	0	FT.		23		FT.	
DEPTH OF TOOLS		26	10	FT.		26	25	22	FT.		26	39	FT.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2610 FEET	2625 FEET	2634 FEET
DEPTH START OF TOUR	2603 FEET	2620 FEET	2625 FEET
FOOTAGE DRILLED	7 FEET	15 FEET	14 FEET

	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 P.M.
PUMP s.p.m. p.s.i.	50	50	50	50	50	50	50	50	50	50	50	50
ROTARY SPEED R.P.M.	65	65	65	65	65	65	65	65	65	65	65	65
WEIGHT ON BIT M lbs.	18	26	26	26	26	26	26	26	24	24	24	24
MUD WEIGHT lb/gal	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
VISCOSITY sec/qt	41	50	43	42	42	42	42	42	42	43	42	42
W.L./F.C. c.c./32nd	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
p.H.	9.0	10	8.5	8.5	9.5	9.5	9.5	9.5				
MUD LEVEL IN TANKS Ft.-Ins.							4.2"					

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION
3	8 3/4	1063	Williams			2596	2610	14,104		IN

100 Caustic 1500, Gell 3 Bag Rapid drill 50" CMC

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW:	mins	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M. P.M.	Alk
FROM		I.S.I.	mins	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.		Int. Gel. 10 Min. Gel
TO		V.O.	mins	I.S.I.P.	p.s.i.	G.T.S.	mins	Visc		W.L.F.C
Recovery		F.S.I.	mins	F.S.I.P.	p.s.i.	F.T.S.	mins	A.V.		p.H.
HOURS		RECOVERY:						P.V.		Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	DEVIATION RECORD		
DRILLER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		Kind	Depth	Reading
DERRICKMAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>			2470	1'
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>						

Sample @ 8:00

1-54-55

1972		MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL
TOUR		Kind	Amount			WORK DONE
54	FT.	TOUR 1		12 ⁰⁰	12 ¹⁵	Big Service
	FT.	CAUSTIC	100 ⁰	12 ¹⁵	1 ⁴⁵	Run in w/ core BDI
	FT.	MARCOCEL	1500 ⁰	1 ⁴⁵	2 ³⁰	Circ BDI
	FT.	RAPIDIL	6 ⁰	2 ³⁰	8 ⁰⁰	Cutting Core #8
	FT.	CMC	50 ⁰			
25	FT.					
78	FT.	TOUR 2		8 ⁰⁰	3 ¹⁵	Getting Core #8
23	FT.	CAUSTIC	50 ⁰	3 ¹⁵	3 ⁴⁵	See Rig, Check B.I.P.s, R.I.G. TAVEO 24 Conn.
75	FT.	MARCOCEL	1000 ⁰	3 ⁴⁵	4 ¹⁵	Corring.
	FT.	RAPIDIL	46 ⁰			
98	FT.	CMC	50⁰			
76	FT.					
	FT.					
	FT.	TOUR 3		4 ⁰⁰	12 ⁰⁰	Corring #8

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

After CSB made trip to Rig from Parkin Base

65
24
93
22

Reading
1'

Temp @ 8:00 AM -50°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD Yukon WELL NAME Chiron Surr. CONTRACTOR G.P. WRIG NO 15
 DRILLING DEEPENING COMPLETING 197-58-38
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT Jan 16 1972

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO. <u>21</u>				NO. <u>20 1/2</u>	<u>195843</u>	FT.		NO. <u>20</u>	<u>189929</u>	FT.	
SINGLE	D.P.	NO.						FT.		NO. <u>2</u>	<u>6216</u>	FT.	
X-OVER SUB	O.D.						<u>321</u>	FT.			<u>321</u>	FT.	
OTHER	O.D.							FT.				FT.	
DRILL COLLARS	<u>18" 7" O.D.</u>					NO. <u>18</u>	<u>55124</u>	FT.			<u>55124</u>	FT.	
DRILL COLLARS	<u>X O.D. Pins</u>	NO.					<u>78</u>	FT.		NO.	<u>78</u>	FT.	
REAMER	O.D.	KIND						FT.		KIND		FT.	
STABILIZER	<u>Christ 8 3/4" O.D.</u>	KIND					<u>923</u>	FT.			<u>923</u>	FT.	
JARS		KIND					<u>675</u>	FT.		KIND	<u>675</u>	FT.	
BUMPER SUB.		KIND						FT.		KIND		FT.	
BIT OR CORE BARREL							<u>5398</u>	FT.			<u>5398</u>	FT.	
TOTAL D.P. & TOOLS							<u>258262</u>	FT.			<u>258464</u>	FT.	
KELLY DOWN (BELOW R.B.)							<u>1438</u>	FT.			<u>1438</u>	FT.	
DEPTH OF TOOLS			<u>2596</u>				<u>259700</u>	FT.			<u>2403</u>	FT.	

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	<u>2596</u>	FEET	<u>2597</u>	FEET	<u>2603</u>	FEET
DEPTH START OF TOUR	<u>2596</u>	FEET	<u>2596</u>	FEET	<u>2577</u>	FEET
FOOTAGE DRILLED		FEET	<u>1</u>	FEET	<u>6</u>	FEET

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 P.M.
PUMP			<u>5:30</u>	<u>5:45</u>		<u>6:00</u>						
ROTARY SPEED						<u>52</u>						
WEIGHT ON BIT			<u>12-18</u>	<u>12-18</u>		<u>14</u>						
MUD WEIGHT		<u>9.3</u>	<u>9.3</u>	<u>9.3</u>		<u>9.3</u>						
VISCOSITY		<u>40</u>	<u>34</u>	<u>35</u>		<u>41</u>						
W.L./F.C.		<u>9.6</u>				<u>9.6</u>						
p.H.		<u>9.0</u>				<u>9.3</u>						
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION
<u>8 7/16</u>	<u>1063</u>	<u>William's</u>	<u>D</u>			<u>2596</u>				

CORE	No. <u>7</u>	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT						
TYPE	<u>D</u>		PREFLOW	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M.	P.M.	A.H.
FROM	<u>2596</u>		I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.			Int. Gel 10' Am Gel
TO	<u>2603</u>		V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.			W.L.F.C.
Recovery	<u>7</u>		F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.			p.H.
HOURS	<u>6 1/4</u>		RECOVERY						P.V.			Solid %
												C.A. p.p.m.
												CL. p.p.m.

SIGNATURES	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR		DEVIATION RECORD		
	Y.P.		Y.P.		Y.P.		Kind	Depth	Reading
DRILLER	<u>Blumstein</u>		<u>H. Schmeier</u>		<u>D. Louis</u>				
DERRICKMAN	<u>Ken Beck</u>		<u>L. L. Leski</u>		<u>W. Brown</u>		<u>2450</u>	<u>1'</u>	
HELPER	<u>Charles Ringer</u>		<u>C. Hillgren</u>		<u>S. H. Kanning</u>				
HELPER	<u>Bole Key</u>		<u>L. Zimmerman</u>		<u>R. Brown</u>				
HELPER	<u>Alden</u>		<u>L. P. Chubb</u>		<u>D. Agosta</u>				
FIREMAN									
TOOL PUSHER	<u>James Krause</u>								

MUD and CHEMICALS Kind

TOUR 1

TOUR 2
GEL
FLUORIDE
CAUSTIC

TOUR 3

Run No. 2
UNDER GRAV.
2 BIT TOOL

Run No. 3 w/
FILINGS

Run In w/
2596-2597.
Core 88L.

Core #7

Area C50

Temp @ 8.0

1972

TOUR
29 FT.
16 FT.
21 FT.
24 FT.
78 FT.
23 FT.
75 FT.
98 FT.
64 FT.
30 FT.
12.00 P.M.

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12 ⁰⁰	12 ¹⁵	Rig Service
		12 ¹⁵	12 ³⁰	Core
		12 ³⁰	1 ⁴⁵	Hoist
		1 ⁴⁵	2 ¹⁵	Clean Junk & Hook 12.1
		2 ¹⁵	2 ³⁰	MAKE up Magnet & Junk Sub
		2 ³⁰	4 ⁰⁰	Run in
		4 ⁰⁰	5 ⁰⁰	Core & work Junk Sub
		5 ⁰⁰	6 ¹⁵	Hoist
TOUR 2		6 ¹⁵	8 ⁰⁰	Pick up & make up New Core Bbl
Gel	500 ⁰⁰	8 ¹⁰	8 ¹⁵	See Rig Check Bbls Break in, Pig Spans
Papirak		8 ¹⁵	9 ³⁰	Run in
Caustic	50 ⁰⁰	9 ³⁰	10 ⁰⁰	Break Core Plug Core Bbl to Bottom
		10 ⁰⁰	11 ⁰⁰	Core Core Barrel
		11 ⁰⁰	12 ⁰⁰	Working Core #7
		12 ⁰⁰	1 ⁰⁰	Hoist Core
		1 ⁰⁰	2 ⁰⁰	Break Down Core Handle Same
TOUR 3		2 ⁰⁰	3 ¹⁵	Clean 3' to Bottom
		3 ¹⁵	4 ¹⁵	Core Bbls Rig Service
		4 ¹⁵	4 ⁴⁵	Core Core Bbl
		4 ⁴⁵	7 ³⁰	Cutting Core #7 - (5000 Run)
		7 ³⁰	9 ³⁰	Work Jammed Bbl
		9 ³⁰	11 ⁰⁰	Hoist Bbl
		11 ⁰⁰	11 ³⁰	Make up Core
		11 ³⁰	12 ⁰⁰	Service & Make up Bbl

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

Run No. 2 w/ Side Door Junk Sub In bit * 5 ADV. REAMER UNDER GAUGE HOLE FROM 2570-2896' RECOVERED 16 ROLLER BEARINGS 12 BIT TOOTH

Run No. 3 w/ 7" MAGNET; SIDE DOOR JUNK SUB. RECOVERED IRON FILINGS IN MAGNET.

Run in w/ 8 1/16" BIT; FULL HOLE CORE BBL. CORED 1 FT FROM 2596-2597. PUMP PRESS. INCREASED. TRIPPED CORE BBL TO CHECK BIT; CORE BBL. ALL O.K. REC. 0.5' CORE.

CORE # 7 2596-2603' CORE JAMMED RECOVERED 7'

OTHER CSB MADE TRIP TO RIG FROM PARKIN BASE

Temp @ 8:00 AM - 25°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON**

WELL NAME **CHEVRON SUB**

CONTRACTOR **G.P. 15**

RIG NO **15**

LSD

SEC

TWP

Rge

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

JAN 15

1992

MUD and CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS .. D.P.	NO. 22	208294 FT.		NO. 22	210865 FT.		NO. 21	199017 FT.	
SINGLE .. D.P.	NO.			NO.			NO.		
X-OVER SUB .. O.D.		321 FT.			321 FT.			321 FT.	
OTHER JUNKS		280 FT.			280 FT.			308 FT.	
DRILL COLLARS .. O.D.									
DRILL COLLARS .. 7 O.D.	NO. 15	46470 FT.		NO. 15	46470 FT.		NO. 9	55124 FT.	
REAMER .. O.D.	KIND			KIND			KIND		
STABILIZER .. O.D.	KIND			KIND			KIND	923 FT.	
JARS	KIND			KIND			KIND		
BUMPER SUB.	KIND			KIND			KIND		
BIT OR CORE BARREL									
TOTAL D.P. & TOOLS					257936 FT.			255885 FT.	
KELLY DOWN (BELOW R.B.)		1000 FT.			1664 FT.			3900 FT.	
DEPTH OF TOOLS		255714 FT.			259600 FT.			257685 FT.	

TOUR 1

TOUR 2

TOUR 3

TOUR	MORNING TOUR			DAYLIGHT TOUR			AFTERNOON TOUR		
DEPTH END OF TOUR	Ream	30 FEET						2576 FEET	
DEPTH START OF TOUR					2596 FEET				
FOOTAGE DRILLED									

DAY WORK	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
	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 P.M.
PUMP			1500	1500	1500	1500			1500	1500		
ROTARY SPEED		100	100	100	100				100	100		
WEIGHT ON BIT		15 M	15	15	15				5/10	5/10		
MUD WEIGHT		9.3	9.3	9.3	9.3				9.3	9.3		
VISCOSITY		40	44	42	41				40	40		
W.L./F.C.	9.5		9.6	9.6	9.6				9.6	9.6		
p.H.		9.5	9.5	9.5	9.5				9.6	9.6		
MUD LEVEL IN TANKS						3-8"						

After CSB
Bit = RR
If cause
Recovered
De Skirt 6

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	F.T./HR	BIT CONDITION
RR 2	8 1/4	37244	H.W. XIG	7/16, 8/16	4	Reamed 60'	2536-2596	8.8.0'		
3	8 3/4	36391	H.W. XDU	3/16, 1/8	3 1/4	OUT GAGE	2570-2596			

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW:	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M. P.M.	Aik.
FROM		I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.		Int. Gel 10 Min. Gel
TO		V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc		W.L.F.C.
Recovery		F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.		p.H.
HOURS		RECOVERY						P.V.		Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	DEVIATION RECORD		
					Kind	Depth	Reading
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>	<i>[Signature]</i>	<i>[Signature]</i>				
PUSHER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>				

[Handwritten mark]

4-58

1972
 TOUR
 17 FT.
 FT.
 21 FT.
 08 FT.
 FT.
 24 FT.
 FT.
 23 FT.
 FT.
 FT.
 FT.
 85 FT.
 00 FT.
 85 FT.
 JR
 FEET
 FEET
 FEET
 HOURS
 A. 12.00 P.M.
 Q
 TION
 1"
 REPORT
 Gel
 C.
 p.m.
 p.m.
 Reading
 1

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12 ⁰⁰	1 ³⁰	Hoist
		1 ³⁰	2 ⁴⁵	RECOVER CORE #6
		2 ⁴⁵	3 ⁰⁰	Rig SERVICE & P.O.P'S
		3 ⁰⁰	4 ⁰⁰	Lay DOWN CORE BPI
		4 ⁰⁰	5 ³⁰	RUN IN TO RAM <u>RAN JUNK</u>
		5 ³⁰	8 ⁰⁰	RAM RAT Hole TO 8 ³⁰ <u>SUB</u>
TOUR 2		8 ⁰⁰	1 ⁰⁰	Penning. 2566 to 2596
		1 ⁰⁰	2 ³⁰	Circ + WORK JUNK SUB
		2 ³⁰	2 ⁴⁵	Set Rig CHECK BOL. BEAKE PIN'S.
		2 ⁴⁵	4 ⁰⁰	Hoist, CLEAN OUT JUNK SUB.
		4 ⁰⁰	4 ³⁰	FINISH JUNK SUB. CHANGE BIT'S; RIG SERVICE
		4 ³⁰	7 ³⁰	RUN IN W/ BIT TO 1900
		7 ³⁰	8 ¹⁵	CLEAN OUT TIGHT HOLES @ 1900'
TOUR 3		8 ¹⁵	11 ³⁰	RUN IN TO TOP OF RAT HOLE @ 2536
		11 ³⁰	12 ⁰⁰	RAM OUT OF CORE HOLE FROM 2570 - 2596
				CIRC. & WORK JUNK SUB

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

STEER CSB MADE TRIP TO RIG FROM PARRIN BASE

BIT + RRA REARDED RAT HOLE FROM 2536-2596'; PULLED OUT
 OF GAUGE W/ ROLLER BEARINGS MISSING FROM 3 CONES. 33 BEARINGS
 RECOVERED IN 7' JUNK SUB RUN W/ BIT. JUNK SUB HAD 8" x 8" PORTION
 OF SKIRT BROKEN; RECOVERED IN JUNK SUB.

[Signature]
 SIGNATURE COMPANY ENGINEER

Temp @ 8:00 A.M - 42°

TOUR REPORT

CONTRACTOR *W. L. P. Inc. New York* RIG NO. _____
 FIELD *Yukon* WELL NAME *CHURON SUR* LSD *WTE* SEC _____ TWP _____ Rge _____ W _____
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT *JAN 14* 1972

MUD and CHEMICALS
Kind
TOUR 1
TOUR 2
TOUR 3

DRILLING ASSEMBLY	END OF MORNING TOUR			END OF DAYLIGHT TOUR			END OF AFTERNOON TOUR		
STANDS " D.P.	NO. <i>20</i>	<i>189</i>	<i>929</i> FT.	NO. <i>20-1</i>	<i>197</i>	<i>687</i> FT.	NO. <i>20</i>	<i>189</i>	<i>529</i> FT.
SINGLE " D.P.	NO.		FT.	NO.		FT.	NO. <i>1</i>	<i>31</i>	<i>58</i> FT.
X-OVER SUB " O.D.			<i>321</i> FT.			<i>321</i> FT.			<i>321</i> FT.
OTHER " O.D.			<i>84</i> FT.			<i>84</i> FT.			<i>84</i> FT.
DRILL COLLARS " O.D.		<i>551</i>	<i>24</i> FT.		<i>551</i>	<i>24</i> FT.		<i>551</i>	<i>24</i> FT.
DRILL COLLARS " O.D.	NO.		FT.	NO.		FT.	NO.		FT.
REAMER " O.D.	KIND		<i>923</i> FT.	KIND		<i>923</i> FT.	KIND		<i>923</i> FT.
STABILIZER " O.D.	KIND		FT.	KIND		FT.	KIND		FT.
JARS	KIND		<i>610</i> FT.	KIND		<i>610</i> FT.	KIND		<i>610</i> FT.
BUMPER SUB.	KIND		FT.	KIND		FT.	KIND		FT.
BIT OR CORE BARREL		<i>645</i>	<i>8</i> FT.		<i>645</i>	<i>8</i> FT.		<i>645</i>	<i>8</i> FT.
TOTAL D.P. & TOOLS			FT.	<i>2562</i>	<i>07</i>	FT.	<i>2562</i>	<i>07</i>	FT.
KELLY DOWN (BELOW R.B.)		<i>26</i>	FT.		<i>1893</i>	FT.		<i>34</i>	<i>00</i> FT.
DEPTH OF TOOLS			FT.	<i>2581</i>	<i>00</i>	FT.	<i>2596</i>	<i>07</i>	FT.

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	<i>2556</i>	FEET	<i>2581</i>	FEET	<i>2596</i>	FEET
DEPTH START OF TOUR	<i>2534</i>	FEET	<i>2556</i>	FEET	<i>2581</i>	FEET
FOOTAGE DRILLED	<i>20</i>	FEET	<i>25</i>	FEET	<i>15</i>	FEET

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 P.M.
PUMP	<i>56</i>	<i>800</i>	<i>56</i>	<i>800</i>	<i>56</i>	<i>800</i>	<i>56</i>	<i>800</i>	<i>56</i>	<i>800</i>	<i>56</i>	<i>800</i>
ROTARY SPEED	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>72</i>	<i>72</i>	<i>72</i>	<i>72</i>	<i>72</i>	<i>72</i>
WEIGHT ON BIT	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
MUD WEIGHT	<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>9.3</i>	<i>9.3</i>	<i>9.3</i>	<i>9.3</i>	<i>9.3</i>	<i>9.3</i>
VISCOSITY	<i>56</i>	<i>54</i>	<i>43</i>	<i>44</i>	<i>44</i>	<i>44</i>	<i>44</i>	<i>43</i>	<i>43</i>	<i>43</i>	<i>43</i>	<i>43</i>
W.L.F.C.	<i>9.22</i>	<i>9.15</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>	<i>9.12</i>
p.H.	<i>9</i>	<i>9</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>
MUD LEVEL IN TANKS	<i>3'</i>	<i>3'</i>				<i>3.6"</i>	<i>3.5"</i>	<i>3.5"</i>	<i>3.5"</i>	<i>3.5"</i>	<i>3.5"</i>	<i>3.5"</i>

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION
<i>6</i>	<i>6 3/4</i>	<i>71A-49</i>	<i>WESTON 11</i>			<i>2536</i>				

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT								
<i>6</i>					PREFLOW:	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M.	Aik.
TYPE	<i>6</i>				I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.	10 Min.	Gel
FROM	<i>2536</i>				V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.	W.L.F.C.	
TO	<i>2596</i>				F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.	p.H.	
Recovery	<i>60'</i>				RECOVERY:						P.V.	Solid %	
HOURS	<i>18 1/4</i>										Y.P.	C.A. p.p.m.	
												C.L. p.p.m.	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
	Kind	Depth	Reading			
DRILLER	<i>B. Erickson</i>	<i>H. S. Henderson</i>	<i>D. Smith</i>			
DERRICKMAN	<i>Ken Beech</i>	<i>L. Lacoski</i>	<i>W. Green</i>	<i>2450</i>	<i>1'</i>	
HELPER	<i>Charlie Rengin</i>	<i>C. H. L. Green</i>	<i>M. Green</i>			
HELPER	<i>K. Kellers</i>	<i>L. Zimmerman</i>	<i>W. Green</i>			
HELPER	<i>Clyde Kelly</i>	<i>L. Boychuk</i>	<i>J. Nyouth</i>			
FIREMAN						
TOOL PUSHER	<i>James Thomas</i>					

DOUBLE M
Cut Core

Temp @ 8

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		12 ⁵²	12 ¹⁵	Rig Service & BOP
OUR	TOUR 1	12 ¹⁵		Pick up Reamer Tools Routine
29 FT.			12 ^{31¹⁵}	MEASURE IN
58 FT.		2 ¹⁵	4 ⁰⁰	Circle to Core
21 FT.		4	8 ⁰⁰	Cutting Core #6
24 FT.				
24 FT.				
23 FT.	TOUR 2	8 ⁰⁰	11 ⁴⁵	Cutting Core #6
10 FT.		11 ⁴⁵	12 ¹⁰	See Rig Check Bol. Rig Service Connection
58 FT.		12 ²⁰	4 ²⁰	Working.
07 FT.				
07 FT.	TOUR 3	4 ⁰⁰	10.30	Cutting Core #6
R		10.30	11.00	Pull Loose & Blow Kelly
FEET		11.00	12.00	pull 1 st Bailer stopped
FEET				Work on Bailer Blow Steam line
FEET				and Heaters
HOURS				
12.00 P.M.				

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

DOUBLE MEASURE OLD 2536.00'
 New 2534.86'
 DIFF - 1.14' NO CORRECTION

Cut Core No. 6 2536 - 2596 Rec. 60'

Temp @ 8:00 A.M. - 50°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON** WELL NAME **CHADRON**

CONTRACTOR **B.P. 505 C. E. P. W. ERK** RIG NO **15-660-57-57 W137-58-58**
 LSD **WH** SEC TWP Rge W

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDN GHT - **JAN 13 1972**

MUD and CHEMICAL Kind

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS " D.P. NO. 19	192371 FT.	NO 20 195443 FT.	NO 20 187541 FT.
SINGLE " D.P. NO. 2		NO. 185270 FT.	
X-OVER SUB " O.D.	321 FT.		321 FT.
OTHER " O.D.	84 FT.	321 FT.	
DRILL COLLARS " O.D. 18-7"	55124 FT.	55124 FT.	55124 FT.
DRILL COLLARS " O.D. NO.			
REAMER 2 Spiral D.D. KIND	923 FT.	923 FT.	923 FT.
STABILIZER " O.D. KIND			
JARS MAN KIND	610 FT.		
BUMPER SUB. KIND			
BIT OR CORE BARREL	6458 FT.		252225 FT.
TOTAL D.P. & TOOLS	249991 FT.	245911 FT.	245877 FT.
KELLY DOWN (BELOW R.B.)	300 FT.	4000 FT.	4000 FT.
DEPTH OF TOOLS		250011 FT.	250011 FT.

TOUR 1
TOUR 2
TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2529 FEET	2534 FEET	2536 FEET
DEPTH START OF TOUR	2501 FEET	2529 FEET	2500 FEET
FOOTAGE DRILLED	28 FEET	7 FEET	36 FEET

	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 P.M.
PUMP s.p.m. p.s.i.	56 800											
ROTARY SPEED R.P.M.	76											
WEIGHT ON BIT M lbs.	10											
MUD WEIGHT lb/gal	9.2											
VISCOSITY sec/qt	46											
W.L./F.C. c.c./32nd	91 3/4											
p.H.	9.6											
MUD LEVEL IN TANKS Ft.-Ins.												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION
45	6 3/16	71A49	WEST DRILL	0	9 1/2	250'	2536			
200	8 3/4		H.W. XIG	3724	7/16	Begin From	2472-2536			

CORE No	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT							
TYPE	6 3/16		PREFLOW	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M.	P.M.	AIK
FROM	2501		I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.			Int. Gel. 10 Min. Gel
TO	2526		V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.			W.L.F.C.
Recovery	35'		F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.			p.H.
HOURS	9 1/2		RECOVERY						P.V.			Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>B. W. ...</i>	<i>H. S. ...</i>	<i>D. ...</i>	Kind	Depth	Reading
DERRICKMAN	<i>Kan Beck</i>	<i>L. ...</i>	<i>W. ...</i>		to 24 30	1
HELPER	<i>Charlie ...</i>	<i>C. ...</i>	<i>S. ...</i>			
HELPER	<i>R. ...</i>	<i>L. ...</i>	<i>L. ...</i>			
HELPER	<i>Chyde Kelly</i>	<i>L. ...</i>	<i>S. ...</i>			
FIREMAN	<i>...</i>					
TOOL PUSHER	<i>...</i>					

5950
 Cur 0600
 J. ...

Temp @ 8

W137-58-58

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
OUR	TOUR 1			
41	FT.	12 ⁰⁰	12 ¹⁵	Rig SERVICE
	FT.	12 ¹⁵		CUTTING CORE #5
21	FT.			
	FT.			
24	FT.			
	FT.			
23	FT.	8 ⁰⁰	9 ⁴⁵	COREING CORE #5
	FT.	9 ⁴⁵	11 ²⁰	HOIST CORE
	FT.	11 ²⁰	12 ²⁰	HANDLE & BOX CORE
	FT.	12 ²⁰		SEA RIG CHECK RIG SAVORS, Crown-matic
25	FT.	1 ⁰⁰	1 ²⁰	REAKE WIND
	FT.	1 ²⁰	3 ⁰⁰	Run in
	FT.	2 ⁰⁰	3 ⁰⁰	FILL VILLE CLEAN to Rat Hole
	FT.	3 ⁰⁰	4 ¹⁰	Logging From 2472-2500
1	FT.	4 ⁰⁰	5 ⁴⁵	DRAIN RAT HOLE 2500-2536
IR	TOUR 3	5 ⁴⁵	6 ⁴⁵	CORE
	FEET	6 ⁴⁵	7 ¹⁵	Show MUD LINES
	FEET	7 ¹⁵	9 ³⁰	HOIST 4 DOUBLE STRAP
	FEET	9 ³⁰	10 ¹⁵	REPAIR STEAM LINES IN SUB-RIG
	FEET	10 ¹⁵	10 ³⁰	PICK UP CORE BKT
HOURS		10 ³⁰	11 ³⁰	SHIP & CUT DR. LINE
12.00 P.M.		11 ³⁰	12 ⁰⁰	RUNNING IN W/BKT

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

5950. FUEL CAN IN AT. 2.AM WHITE PASS TRUCK

CUT CORE NO. 5 2501-2536 REC. 35'

OTHER CSB MADE TRIP TO RIG ON WAY FROM INDIAN

TION

REPORT

h. Gei

C

p.m.
p.m.

D

Reading

1

Temp @ 8:00 A.M. - 48°

[Signature]
SIGNATURE COMPANY

TOUR REPORT

CONTRACTOR **CP Rig 15**

RIG NO. **1037-18-58**

FIELD **YU KON** WELL NAME **CHAURON 300**

LSDLWHE SEC TWP Rge W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

JAN 12 1972

MUD and CHEMICALS Kind

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS 19 D.P. NO	180	62 FT			181	183 2 22 FT
SINGLE / D.P. NO	31	50 FT				
X-OVER SUB .. O.D.	3	21 FT	3	21 FT	3	21 FT
OTHER .. O.D.						
DRILL COLLARS .. O.D. 18	55	24 FT	55	24 FT	55	24 FT
DRILL COLLARS .. O.D. NO						
REAMER .. O.D. KIND	9	23 FT	9	23 FT	9	23 FT
STABILIZER .. O.D. KIND	8	4 FT	8	4 FT	8	4 FT
JARS .. O.D. KIND	6	10 FT	6	10 FT	6	10 FT
BUMPER SUB .. O.D. KIND						
BIT OR CORE BARREL	6	4 58 FT	6	4 58 FT	6	4 58 FT
TOTAL D.P. & TOOLS	24	76 82 FT	24	73 3 FT	24	67 33 FT
KELLY DOWN (BELOW R.B.)	9	FT	33	67 FT	33	67 FT
DEPTH OF TOOLS			250	100 FT	250	100 FT

TOUR 1

TOUR 2 **Gel Rapid Drill**

TOUR 3 **Gel**

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	24	73 FEET	25	01 FEET	25	01 FEET
DEPTH START OF TOUR	24	72 FEET	24	73 FEET		
FOOTAGE DRILLED	1	FEET	28	FEET		

DAY WORK	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 P.M.
PUMP	50	100	50	50	50	50	50	50				
ROTARY SPEED R.P.M.	100		76	76	76	76	76					
WEIGHT ON BIT M lbs.	15		10	12	12	12						
MUD WEIGHT lb/gal	9.4		9.4	9.4	9.4	9.4						
VISCOSITY sec/qt	40		39	38	39	44						
W.L./F.C. c.c./32nd	4.2		10.0	10.0	10.0	10.0						
p.H.			9.8	9.8	9.8							
MUD LEVEL IN TANKS Ft.-Ins												

Water CS
Gut O Co

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL HOURS	FROM	TO	FEET HR	BIT CONDITION
CH4	6 3/16	71A49	West Drill	6"2	2472	2501	28		

CORE No. 4	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT				
TYPE 4		PREFLOW	mins	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M. P.M.
FROM 2473		I.S.I.	mins	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.	Int. Gel 10 Min. Gel
TO 2501		V.O.	mins	I.S.I.P.	p.s.i.	G.T.S.	mins	Visc	W.L.F.C.
Recovery 28		F.S.I.	mins	F.S.I.P.	p.s.i.	F.T.S.	mins	A.V.	p.H.
HOURS 7 1/2		RECOVERY						P.V.	Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	H. Skinner	H. Skinner	D. Smith	Kind	Depth	Reading
DERRICKMAN	Ken Beck	L. HAPESKI	W. G. RYAN			
HELPER	Chuck Reagin	C. HILLGREN	S. M. KINNEY	10 1/2	2450	1
HELPER	Albers	R. Zimmerman	K. GREEN			
HELPER	Clyde Kelly	L. Boychuck	C. Thonthe			
FIREMAN						
TOOL PUSHER	Frank ...					

Temp

9-58

1972

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR	TOUR 1	12:00	2:15	REAM ROT Hole Survey Hoist
12 FT.		2:15	2:30	
FT.		2:30	4:00	Rig Service Tools Blind Ram Pick up CURT BOL MAKE UP JARS & REAMERS
21 FT.		4:00	4:15	
FT.		4:15	4:45	TRIP IN w/ C. BDI Circ to Core
24 FT.		4:45	6:45	
FT.		6:45	7:15	CUTTING CORE # 4 CORING CONC # 4
23 FT.	TOUR 2 Gel 1000	7:15	8:00	
FT.	Radio Drill 4	8:00	8:30	Blow lines Hoist Conc
04 FT.		8:30	9:00	
10 FT.		9:00	9:00	
FT.				
58 FT.				
33 FT.		4:00	4:30	Hoist Core Bbl RECOVER CORE - SERVICE - Bbl
67 FT.		4:30	5:30	
00 FT.	TOUR 3	5:30	6:30	WAIT ON ORDERS Run in w/ core Bbl
UR	Gel	6:30	9:00	
FEET	Ra	9:00	9:30	Blow 11/2" lines Break Circ. Chpt to Bottom Circ
FEET		9:30	11:30	
FEET		11:30	12:00	STRUNG NEW 10" CO LINE
HOURS				
M. 12:00 P.M.				

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

UTER CSB MADE TRIP TO RIG FROM PARKIN BASE

CUT O CORE No. 4 2473 - 2501 REC 23 GULF TANKED

REPORT
el.
h. Gel
C.
p.m.
p.m.
D
Reading
1

Temp @ 8:00 A.M. - 50°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON**

CONTRACTOR **G.P. DRIG** RIG NO. **15**
 WELL NAME **CHEVRON - SOSC. DAM - G. ANG. CRE N. 66-57-58 W-137-58-58"**
 LSD SEC TWP Rge W

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

JANUARY 11 1972

MUD and CHEMICALS

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS 18 D.P.	NO. 176912 FT.	NO. 180062 FT.	NO. 2002190305 FT.
SINGLE 2 D.P.	NO.	NO.	NO.
X-OVER SUB 1 O.D.	321 FT.	321 FT.	321 FT.
OTHER O.D.	FT.	FT.	FT.
DRILL COLLARS 18 O.D.	55124 FT.	55124 FT.	15 45830 FT.
DRILL COLLARS O.D.	NO.	NO.	NO.
REAMER 2-8 3/4 O.D.	KIND 923 FT.	KIND 923 FT.	KIND 321 FT.
1 Double PINT STABILIZER XO O.D.	KIND 89 FT.	KIND 84 FT.	KIND
JARS	KIND 610 FT.	KIND 610 FT.	KIND
BUMPER SUB	KIND	KIND	KIND
REAR CORE BARREL	6458 FT.	6458 FT.	Tools 242277 FT.
TOTAL D.P. & TOOLS	240932 FT.	243582 FT.	242277 FT.
KELLY DOWN (BELOW R.B.)	3700 FT.	3300 FT.	2723 FT.
DEPTH OF TOOLS	174132 FT.	246982 FT.	245000 FT.

Kind	TOUR 1	TOUR 2	TOUR 3
	GEL Rapidrill		

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2441 FEET	2468 FEET	2472 FEET
DEPTH START OF TOUR	2712 FEET	2441 FEET	2468 FEET
FOOTAGE DRILLED	29 FEET	89 FEET	4 FEET

	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 P.M.
PUMP	s.p.m. 56 p.s.i. 800	56 800	56 800	56 800	56 800	56 800	56 800	56 800				65 1750
ROTARY SPEED	R.P.M. 76	76	76	76	76	76	76	76				110
WEIGHT ON BIT	M lbs. 10	10	10	10	10	10	10	10				15
MUD WEIGHT	lb/gal 9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3				9.3
VISCOSITY	sec/qt 34	37	35	38	44	42	40	42				41
W.L./F.C.	cc./32nd 24	32	31	32	32	33	32	34				102
p.H.	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.4				9.0
MUD LEVEL IN TANKS	ft.-ins.											

*Drill C's
Cut Core*

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FT HR	BIT CONDITION
CH3	6 1/16	71A-49	WEST DRILL	OPEN	8	2412	2441	29	8
CH3	6 1/16	71A-49	WEST DRILL	-	17	2412	2472	60	Good
RD2	8 3/4	37244	H-W XIG	2 1/16					Running

CORE	No. 3	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE	0		PREFLOW	mins	I.H.P.	psi	I.F.P.	psi	Time	A.M.	Aik
FROM	2412		I.S.I.	mins	F.H.P.	psi	F.F.P.	psi	Mud Wt.		Int. Gel
TO	2472		V.O.	mins	I.S.I.	psi	G.T.S.	mins	Visc.		W.L.F.C.
Recovery	60'		F.S.I.	mins	F.S.I.P.	psi	F.T.S.	mins	A.V.		p.H.
HOURS	17		RECOVERY						P.V.		Solid %
									Y.P.		C.A. p.p.m.
											CL p.p.m.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>W. Kramlich</i>	<i>Plutmalow</i>	<i>A. Skunwan</i>	Kind	Depth	Reading
DERRICKMAN	<i>B. Nagstiff</i>	<i>Ken Beck</i>	<i>L. Luranski</i>	T10	2189	1 1/8
HELPER	<i>E. Grubishev</i>	<i>L. Kuznetsov</i>	<i>C. Hilligson</i>			
HELPER	<i>M. Salloway</i>	<i>Chloe Kelly</i>	<i>L. Ziminov</i>			
HELPER	<i>J. Mackinac</i>	<i>R. Albert</i>	<i>L. Boychik</i>			
FIREMAN						
PUSHER	<i>J. Kramlich</i>					

Temp @ 8

1972
 TOUR
 25 FT.
 21 FT.
 30 FT.
 21 FT.
 27 FT.
 28 FT.
 23 FT.
 00 FT.
 JR
 FEET
 FEET
 FEET
 HOURS
 12:00 P.M.
 65
 1750
 100
 15
 9.3
 41
 102
 9.8

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		1200	8:00	CUT CORE #3
GEL	1200 lbs			
Rapidrill	80 lbs			
TOUR 2		8:00	9:00	Cont. Core #3
		9:00	9:15	Rig SERVICE ON CON
		9:15	4:00	CUTTING CORE #3
TOUR 3		4:00	5:15	GOING #3
		5:15	7:00	Horst CORE BANK OFF Jans. & Stabilizer
		7:00	8:15	Recover + Handle Core
		8:15	10:00	Stand Core BDr 1st of O.C. in Derrick
		10:00	10:15	makeup Junk Sub - 2 ft. Run in
		10:15	10:30	See Rig CHECK B.O.P.
		10:30	12:00	Fill Pipe, Clean to top of Benthale
				Raman

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

OTTER CSB MADE TRIP TO RIG FROM PARKING

CUT CORE #3 2412-2472' 60'

REPORT
 Gel
 Reading
 1 1/8

Temp @ 8:00 AM - 46°

[Signature]
 SIGNATURE COMPANY ENGINEER

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972		1200	1 15	SERVICE CORE BRL
OUR	TOUR 1	1 15	1 45	RIG SERVICES BOBS
70	FT	1 45	3 45	RUN IN
	FT.	3 45	4 15	BLOW KELLY & BREAK CIRC
21	FT.	4 15	4 50	CIRC & WORK JUNK SUB
	FT.	4 50	5 00	REAM 1 FOOT DILG 4 FEET
34	FT.	5 00	5 30	CIRC & WORK JUNK SUB
	FT.	5 30	7 30	BLOW MUD LINES & HOIST
23	FT.	7 30	8 00	CLEAN JUNK SUB
	TOUR 2	8 00	9 30	RUN IN W/ JUNK SUB
34	FT	9 30	10 30	WORK JUNK SUB DRILL 1 FT
10	FT	10 30	10 45	RIG SERVICE & BO. PS.
	FT	10 45	12 00	HOIST
58	FT.	12 00	12 11	CLEAN JUNK SUB
10	FT	12 11	1 00	SLIP & CUT D/LINE
10	FT	1 00	3 30	WAIT ON MAGNET
10	FT	3 30	4 00	MAKE UP MAG & JUNK SUB
	TOUR 3	4 00	5 00	RUN IN
R		5 00	5 30	BLOW LINES, SER. P. & BOB
FEET		5 30	5 55	FILL PIPE, WORK JUNK SUB MAGNET TO BOTTOM
FEET		5 55	6 00	WORKING JUNK SUB - MAGNET
FEET		6 00	8 15	BLOW LINES, HOIST, CHAIN OUT
HOURS		8 15	9 00	BREAK OFF MAGNET & JUNK SUB & CLEAN SAME
12.00 P.M.		9 00	9 45	PICKUP CORE BRL - SER SAME
		9 45	11 15	MAKEUP STABILIZER & FANS & RUN IN

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

RAN IN W/ JUNK SUB, CIRC. ; WORKED JUNK SUB DRILLED 5' AND WORKED JUNK SUB. RECOVERED 1 SMALL PIECE IRON ; SEVERAL PIECES ALUMINUM.

RERAN JUNK SUB, CIRC. ; WORKED JUNK SUB, DRILLED 1 FT. ; WORKED JUNK SUB. RECOVERED SEVERAL SMALL PIECES IRON ; ALUMINUM. ; PINS

RAN IN W/ MAGNET ; JUNK SUB. RECOVERED SEVERAL SMALL PIECES IRON ; ALUMINUM.

RECOVERED JUNK INDICATES BEARING RACE (ORIGIN UNKNOWN).

OTHER CSB MADE TRIP TO RIG FROM PARKING BASE

Temp @ 8:00 A.M -60°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON**

WELL NAME **CHEURON 503C.W.M.G. PINE CRK**

CONTRACTOR **G.P. Drilg**

RIG NO **15**

N-66-57-53-W-137-5V-58

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

JANUARY 9 1972

MUD and CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS 18 D.P.	NO.	170573 FT.	NO. 19	179873 FT.	NO. 19	179873 FT.
SINGLE D.P.	NO.	3155 FT.	NO. 19			
X-OVER SUB O.D.		321 FT.		321 FT.		321 FT.
OTHER O.D.						
DRILL COLLARS 18 O.D.		55129 FT.		55124 FT.		55124 FT.
DRILL COLLARS O.D.	NO.		NO.		NO.	
REAMER 28 1/2 O.D.	KIND	923 FT.	KIND	923 FT.	KIND	923 FT.
STABILIZER O.D.	KIND		KIND		KIND	
JARS 1	KIND	610 FT.	KIND	610 FT.	KIND	610 FT.
BUMPER SUB.	KIND		KIND		KIND	
BLANK CORE BARREL		6958 FT.	BLANK			
TOTAL D.P. & TOOLS		237169 FT.				230706 FT.
KELLY DOWN (BELOW R.B.)		3400 FT.		4100 FT.		4100 FT.
DEPTH OF TOOLS		290569 FT.		240930 FT.		210506 FT.

TOUR 1

TOUR 2

TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2905 FEET	2405 FEET	2905 FEET
DEPTH START OF TOUR	2390 FEET	2405 FEET	2405 FEET
FOOTAGE DRILLED	15 FEET	REAM 60 RATHOLE FEET	

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 P.M.
PUMP	56	56				57						
ROTARY SPEED	80	80				100						
WEIGHT ON BIT	12	12				10						
MUD WEIGHT	9.9	9.9				9.4						
VISCOSITY	7.9	7.3				4.1						
W.L./F.C.	10	10.9				10.4						
p.H.	9.5	9.5				9.5						
MUD LEVEL IN TANKS	7.6	7.6										

Cut Core
Ran In w/ Pump Pro
BBL Four

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT. HR.	BIT CONDITION
CH2	6 3/16	71A-42	WEST DRILL			2395	2905	60		

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT								
TYPE	2					PREFLOW:	mins.	I.H.P.:	p.s.i.	I.F.P.:	p.s.i.	Time	A M	Alk.
FROM	2345					I.S.I.:	mins.	F.H.P.:	p.s.i.	F.F.P.:	p.s.i.	Mud Wt.	P.M.	Int Gel
TO	2405					V.O.:	mins.	I.S.I.P.:	p.s.i.	G.T.S.:	mins.	Visc		W.L.F.C
Recovery						F.S.I.:	mins.	F.S.I.P.:	p.s.i.	F.T.S.:	mins.	A.V.		p.H.
HOURS	18 1/4					RECOVERY:						P.V.		Solid %

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>W. Thawchuk</i>	<i>Blatinslow</i>	<i>A. Sturison</i>	Kind	Depth	Reading
DERRICKMAN	<i>B. Wagstaff</i>	<i>Don Beck</i>	<i>L. L. ...</i>		2155	1"8
HELPER	<i>E. ...</i>	<i>...</i>	<i>G. ...</i>			
HELPER	<i>M. Galloway</i>	<i>...</i>	<i>R. ...</i>			
HELPER	<i>J. Macknak</i>	<i>Elgde Kelly</i>	<i>Boyd ...</i>			
FIREMAN						
COL. PUSHER	<i>...</i>					

1-5-8"

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL		
1972	Kind	Amount	From	To	WORK DONE
TOUR	TOUR 1		1200	745	Cut #2 CORE
73 FT.			445	500	RIG SERVICE
FT.			500	515	BLOW KELLY, MUD LINES
21 FT.			515	630	HOIST OUT CORE
FT.			630	730	RECOVERY CORE
24 FT.			730	800	Stand Bbl. in derrick pick up one stand of Callous make up Bit
FT.					
23 FT.	TOUR 2		800	815	Rig Service = BOPS
FT.			815	1030	RUN IN w/ BIT TO REAM
10 FT.			1030	1245	REAM FROM 2300' - 2400'
FT.			1245	145	Pipe To CORE
FT.			145	200	BLOW LINE TO HOIST
06 FT.			200	315	HOIST TO CORE
070 FT.			315	330	BREAK BIT. Pick up Core Barrel
106 FT.			330	400	MAKE READY TO TRIP IN STEAM CORE
TOUR 3					Barrel & Jaws.
FEET			410	600	MAKE UP STABILIZER & Jaws & Run in
FEET			600	615	See Rig B.O.B.
FEET			615	645	PIPE CORE BBL.
HOURS			645	705	WORK CORE BBL ON BOTTOM WOULDNT COR
M. 12.00 P.M.			705	805	FUEL LINES GELLED OFF, UNBELLSAMS & STAND 6
			805	1005	BLOW LINES HOIST CORE BBL.
			1005	1200	BREK DOWN Jaws & STABILIZERS, CHECK CONCRET.

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

Cut CORE No. 2 2345 - 2405' Rec. 60ft.

Ran in w/ CORE BBL TO Cut CORE NO. 3 FROM 2405
 Pump Press. INCREASED WHEN BIT ON BOTTOM. PULLED CORE
 BBL FOUND FACE OF 4 CORE BIT MILLER DOWN.

DITION

REPORT

Gel. in. Gel

F.C.

p.p.m. p.p.m.

RD

Reading

1" 8

Temp @ 8:00 A.M. - 55°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Yukon** WELL NAME **CHEURON S.B.C. WM-E. ANGEL** CONTRACTOR **G.P. DRIS** RIG NO. **15**
 DRILLING DEEPENING COMPLETING **N-66-57-53-W-137-58-58**
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **JANUARY 8 1972**
 LSD SEC TWP Rge W

MUD and CHEMICALS Kind

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS .. 18 D.P.	NO.	170502 FT.	NO. 18	170573 FT.	NO. 18	170573 FT.
SINGLE .. 2 D.P.	NO.	6326 FT.	NO. 1		3155 FT.	
X-OVER SUB .. O.D.		405 FT.		321 FT.		321 FT.
OTHER .. O.D.			X.O	84 FT.		84 FT.
DRILL COLLARS .. 18 O.D.		55124 FT.	18	55124 FT.		55124 FT.
DRILL COLLARS .. O.D.	NO.				NO.	
REAMER .. O.D.	KIND	923 FT.	KIND	923 FT.	KIND	923 FT.
STABILIZER .. O.D.	KIND		KIND		KIND	
JARS	KIND		KIND	610 FT.	KIND	610 FT.
BUMPER SUB.	KIND		KIND		KIND	
BIT OR CORE BARREL				6458 FT.		6458 FT.
TOTAL D.P. & TOOLS		233180 FT.		234093 FT.		237248 FT.
KELLY DOWN (BELOW R.B.)		190 FT.		23 FT.		1752 FT.
DEPTH OF TOOLS		239580 FT.				239000 FT.

TOUR 1
GEI
KADDr.1
TOUR 2
TOUR 3
GEI
PARIG DRILL

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2395 FEET	2363 FEET	2390 FEET
DEPTH START OF TOUR	2308 FEET	2345 FEET	2363 FEET
FOOTAGE DRILLED	81 FEET	18 FEET	27 FEET

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 P.M.
PUMP	s.p.m. 62	62					56	56	56	56	56	56
	p.s.i. 1600	1600					850	850	850	850	850	850
ROTARY SPEED	R.P.M. 100	100					80	80	80	80	80	80
WEIGHT ON BIT	M lbs. 20	20					12	12	12	12	12	12
MUD WEIGHT	lb/gal 9.4	9.4					9.4	9.4	9.4	9.4	9.4	9.4
VISCOSITY	sec/qt 40	45					45	45	45	45	45	45
W.L./F.C.	c.c./32nd 9.5	9.5					10.8	10.8	10.8	10.8	10.8	10.8
p.H.		9.6					9.5	9.6	9.5	9.5	9.5	9.5
MUD LEVEL IN TANKS	Ft.-Ins.						4.6	4.6	4.5	4.6	4.6	4.6

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION
222	8 3/4	77244	X16 H.W	7-19	5'4	2244	2345	101		4-2-1
CH2	6 1/4	71942	O West Drill			2345				

CORE	No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE			PREFLOW	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M.	Aik.
FROM			I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.	10 Min. Gel	
TO			V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.	W.L.F.C.	
Recovery			F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.	p.H.	
HOURS			RECOVERY:						P.V.	Solid %	

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	W. Kraus	R. Whiston	H. Skinnia	Kind	Depth	Reading
DERRICKMAN	Wagstaff	Ken Beck	L. Laska	total	2.55	1 1/8
HELPER	E. Apukam		C. Hillgren			
HELPER	M. Holloway		L. Zimmern			
HELPER	J. Macknak	Dyde Kelly	L. Boy Chuck			
FIREMAN						

58-58

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL	
Kind	Amount	From	To	WORK DONE
1972				
TOUR				
TOUR 1		12 00	2 30	DRILL 8 3/4 HOLE
73 FT. GEL	500 lbs	2 30	2 45	RIG SERVICE + BOP'S
58 FT. KADIRI	2 lbs	2 45	3 00	DRILL 8 3/4 HOLE
21 FT.		3 00	4 00	Circ
84 FT.		4 00	7 45	Blow Kelly, Knock off Keel.
24 FT.				Hose. FROZEN RAT HOLE.
		7 45	6 30	HOIST OUT OF THE HOLE.
		6 30	7 00	PICK-UP CORE BARREL & MAKE
23 FT. TOUR 2				up B.C.
		7 00	8 00	Blow mud lines & Run in
10 FT.		8 00	9 30	Run in wear dog
		9 30	10 00	Core hole clean
58 FT.		10 00	10 15	Rig Service & B.O.P's
48 FT.		10 15	4 00	CUTTING CORE #2
52 FT.				
00 FT. TOUR 3		4 00	8 30	CORING CORE #2
UR GEL	800	8 30	8 45	Sec. Rig & CHECK B.O.P's
FEET KADIRI DRILL	4"	8 45	12 00	Coaming
FEET				
FEET				
HOURS				
12.00 P.M.				

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

56
810
80
12
9.4
4.4
2 3/4
10.0
95
4.6"

REPORT
Gel
Reading
1 1/4

Temp @ 8:00 AM -60°+

SIGNATURE COMPAN

TOUR REPORT

FIELD **Yukon** WELL NAME **CHEVRON 5006 - W-137-58-58** CONTRACTOR **C.P. DRILL** RIG NO. **15-137-58-58**
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **JANUARY SEVENTH 1972**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS 16 D.P.	NO. 152301	FT.	NO. 16154465	FT.	NO. 18170502	FT.
SINGLE 2 D.P.	NO. 6329	FT.	NO. 23055	FT.	NO. 405	FT.
X-OVER SUB 2 O.D.	909	FT.	405	FT.	405	FT.
OTHER .. O.D.		FT.		FT.		FT.
DRILL COLLARS 18 O.D.	55129	FT.	55124	FT.	55124	FT.
DRILL COLLARS .. O.D.		FT.		FT.		FT.
REAMER 2 1/4 O.D.	923	FT.	923	FT.	923	FT.
STABILIZER .. O.D.		FT.		FT.		FT.
JARS	610	FT.	610	FT.		FT.
BUMPER SUB.		FT.		FT.		FT.
BIT FOR CORE BARREL	6458	FT.	6458	FT.		FT.
TOTAL D.P. & TOOLS	222095	FT.		FT.	226945	FT.
KELLY DOWN (BELOW R.B.)	1300	FT.	3300	FT.	3446	FT.
DEPTH OF TOOLS	223345	FT.	224445	FT.	230491	FT.

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR	2233	FEET		FEET	2304	FEET
DEPTH START OF TOUR	2206	FEET		FEET	2244	FEET
FOOTAGE DRILLED	27	FEET		FEET	60	FEET

DAY WORK	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 P.M.
PUMP	58 900	56 900	56 850	56 850	56 850					63 1750	62 1750	62 1750
ROTARY SPEED	76	76	76	76	76					100	100	100
WEIGHT ON BIT	12	12	12	12	12					20	20	20
MUD WEIGHT	9.6	9.6	9.5	9.5	9.4					9.4	9.4	9.4
VISCOSITY	38	4.2	4.3	4.4	4.6					4.3	4.5	4.4
W.L./F.C.	12	12	12	12	12					12	12	12
p.H.	9.5	9.5	9.5	9.5	9.8					9.6	9.6	9.6

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT./HR	BIT CONDITION
3	6 3/16	71A-92	WEST DRILL		18 1/4	2185	2244	59		
4	8 3/16	77244	H.W. XIG	2 1/10 - 1/8		2244				

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M. P.M.	Alk.
FROM		I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.		Int. Gel. 10 Min. Gel.
TO		V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.		W.L.F.C.
Recovery		F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.		p.H.
HOURS		RECOVERY						P.V.		Solid % C.A. p.p.m. C.L. p.p.m.

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER	W. Krawchuk	George Winalow	H. Skovron			
DERRICKMAN	B. Wagstaff	NEW BOLT	L. LARSEN	2185	1 1/8	
HELPER	E. Arshaker	Charles Higgins	C. H. HIGHER			
HELPER	M. Lalloway	Chad Kelly	L. Zimmerman			
HELPER	J. Macdonald	J. K. K. K.	L. BOYCHUK			
EMAN						
TOOL PUSHER						

MUD and CHEMICALS
 Kind
 TOUR 1
 GEL 1500 lb
 Rep-Drill 616
 TOUR 2
 TOUR 3
 Cut Core
 Orzer C.

0-58-58

MUD and CHEMICALS ADDED			OTHER HOURLY OPERATING DETAIL	
			WORK DONE	
TOUR	Kind	Amount	From	To
TOUR 1			12 ⁰⁰	8 ⁰⁰
02 FT.	GEL 1500 lb			
05 FT.	Rep-Drill 61b			
24 FT.				
23 FT.	TOUR 2		8 ⁴⁰	11 ¹⁵
			11 ¹⁵	11 ³⁰
			11 ³⁰	1 ³⁰
			1 ³⁰	2 ³⁰
			2 ³⁰	2 ⁴⁵
45 FT.			2 ⁴⁵	3 ⁰⁰
46 FT.			3 ⁰⁰	4 ⁰⁰
91 FT.	TOUR 3		4 ⁰⁰	4 ¹⁵
			4 ¹⁵	4 ⁴⁵
			4 ⁴⁵	5 ⁰⁰
			5 ⁰⁰	5 ¹⁵
			5 ¹⁵	8 ⁰⁰
			8 ⁰⁰	12 ⁰⁰

Cut #1 Core

Cutting Core #1
Blow line Pull off core
Raint
RECOVER CORE
Rig Service & B.O.P.
STAND BACK CORE BARREL
Run in hole to Ream

Run in
Blow mud lines. Repair Cameron Valve
See Rig & B.O.P.
Fill Pipe Clean to top of Rat Hole.
Repair Rat Hole
Drill

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

Cut Core #1 2184-2244' Rec. 60'

Order CSB MADE 2 TRIPS TO RIG FROM PARKIN BASE

100
20
94
44
36
166
9.6

A. Williams
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **Yukon**

WELL NAME **CHEVRON 500C**

CONTRACTOR **G.P. DRIG**

BIG NO **15**

LSD

SEC

TWP

Rge

W

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

Jan 6

1972

MUD and CHEMICALS

Kind

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS 16 D.P.	NO. 1 154796 FT	NO. 16 143223 FT	NO. 1601 154465 FT
SINGLE 2 D.P.	NO. 6254 FT	NO. 3154 FT	NO. 321 FT
X-OVER SUB " O.D.	321 FT	321 FT	321 FT
OTHER X538 D		084 FT	184 FT
DRILL COLLARS 7 O.D.		55227 FT	55024 FT
DRILL COLLARS " O.D.	NO. 18 55127 FT		
REAMER " O.D.	KIND		
STABILIZER " 17A O.D.	KIND 923 FT	KIND 923 FT	KIND 3 FT
JARS 103A	KIND	KIND 610 FT	KIND 610 FT
BUMPER SUB Junk	KIND 306 FT		
BIT OR CORE BARREL	217529 FT	6458 FT	6458 FT
TOTAL D.P. & TOOLS	217529 FT	455 FT	217985 FT
KELLY DOWN (BELOW R.B.)	7100 FT	455 FT	2615 FT
DEPTH OF TOOLS	218429 FT	218424 FT	220600 FT
TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	2184		2206
DEPTH START OF TOUR	2129	218424	2184
FOOTAGE DRILLED	55		22

TOUR 1
GEL 2500
Rap Drill
5 Socks

TOUR 2
Log Down
Junk S.O.S

Pick up
JARS
? CORN OIL

TOUR 3
Water

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 P.M.
PUMP	s.p.m. 64	s.p.m. 64	s.p.m. 64						s.p.m. 57	s.p.m. 57	s.p.m. 57	s.p.m. 57
ROTARY SPEED	R.P.M. 70	R.P.M. 70	Mix						R.P.M. 75	R.P.M. 75	R.P.M. 75	R.P.M. 75
WEIGHT ON BIT	M lbs. 20	M lbs. 20	Mix						M lbs. 12	M lbs. 12	M lbs. 12	M lbs. 12
MUD WEIGHT	lb/gal 9.5	lb/gal 9.5	9.4						lb/gal 9.7	lb/gal 9.7	lb/gal 9.7	lb/gal 9.7
VISCOSITY	sec/qt 37	sec/qt 37	42						sec/qt 41	sec/qt 42	sec/qt 42	sec/qt 41
W.L./F.C.	c.c./32nd								c.c./32nd 215	c.c./32nd 215	c.c./32nd 215	c.c./32nd 215
p.H.									p.H. 9.5	p.H. 9.5	p.H. 9.5	p.H. 9.5
MUD LEVEL IN TANKS	Ft.-Ins.											4'6"

Other CS

DOUBLE ME

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION
2	8 3/4	72299	X16 H.W	2-10	9 1/4	1995	2185	190	9 1/2	Good
3	6 1/2	71442	West Drill	1-9		2185				

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT		
TYPE		PREFLOW:	mins. I.H.P.	p.s.i. I.F.P.	p.s.i.	Time	A.M. P.M.
FROM		I.S.I.	mins. F.H.P.	p.s.i. F.F.P.	p.s.i.	Mud Wt.	Ak. Int. Gel. 10 Min. Gel.
TO		V.O.	mins. I.S.I.P.	p.s.i. G.T.S.	mins.	Visc.	W.L.F.C.
Recovery		F.S.I.	mins. F.S.I.P.	p.s.i. F.T.S.	mins.	A.V.	p.H.
HOURS		RECOVERY:				P.V.	Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	DEVIATION RECORD		
					Kind	Depth	Reading
DRILLER	W. Krawinkel	R. Winslow	A. S. Minner				
DERRICKMAN	B. Wagstaff		H. Lamucki		TOTCO	2184	1'8"
HELPER	E. Abraham		C. Hillgeor				
HELPER	M. Balloway	Chad Kelly	H. Zimmerman				
HELPER	J. Macknot	J. Link	H. Boychuck				
FIREMAN	James Green						

Jump @

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
OUR	TOUR 1			DRILL 8 3/4 HOLE
65	GEL 2500	12 ⁰⁰	12 ³⁰	WORK ON PUMP.
FT.	RAPDRILL	12 ³⁰	2 ¹⁵	DRILL
FT.	5 SACKS	2 ¹⁵	7 ⁰⁰	CIRC, WORK JUNK SUB & MIX
21				MUD
FT.		7 ¹⁵	8 ⁰⁰	SURVEY (DROP) BLOW KELLY, MUD ROLL
34				& HAIST OUT OF THE HOLE.
FT.				
FT.	TOUR 2	8 ⁰⁰	10 ³⁰	HOIST
3	LOG DOWN	10 ³⁰	10 ⁴⁵	Rig Service & B.O.P.S
FT.	JUNK S.O.	10 ⁴⁵	1 ³⁰	PICK UP CORE BARREL JUNK
10		1 ³⁰	4 ⁰⁰	SMALLER BARREL COMPLETE
FT.	PICK UP			
58	JARS			
FT.	& CORN OIL			
75				
FT.				
75				
FT.				
00	TOUR 3	4 ⁰⁰	4 ²²	BLOW LINES. SER RIG CHECK B.O.P.S
R	Water	4 ⁰⁰	5 ⁰⁰	CIRC CORE BBL. TO BOTTOM.
FEET		5 ⁰⁰	12 ⁰⁰	CORING
FEET				
FEET				
HOURS				
12.00 P.M.				

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

75
12
9.7
4.1
9.9
9.5
4.6

BITTER CSB MADE TRIP TO RIG FROM PARKIN BASE

DOUBLE MEASURE OLD 2184.18'
NEW 2186.69'
DIFF. + 2.51 NO CORRECTION!

ON

PORT

Get

m.
m.

Reading
148

Temp @ 8.00 A.M. = 50°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **YUKON**

WELL NAME **CHURON**

CONTRACTOR **G.P. DRIG**
500C-WA-E PINE CR
 LSD SEC TWP

RIG NO **15**
N 66°-57'-53" W 137°-58'-58"
 Rgn W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

Jan 5 1972

MUD and CHEMICALS
 Kind

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	DP	NO	126984 FT	NO/4	1325014 FT	NO/6	154296 FT
SINGLE	DP	NO	6310 FT	NO	3010 FT	NO	
X-OVER SUB	OD		321 FT		321 FT		321 FT
OTHER	OD						
DRILL COLLARS	OD	18	55129 FT		55129 FT		55129 FT
DRILL COLLARS	OD	NO		NO		NO	
REAMER	OD	KIND		KIND		KIND	
STABILIZER	2-8 1/4 O.D.	KIND	923 FT	KIND	923 FT	KIND	923 FT
JARS		KIND		KIND		KIND	
BUMPER SUB	JUNK	KIND		KIND	306 FT	KIND	306 FT
BIT OR CORE BARREL							
TOTAL DP & TOOLS			189162 FT		1994803 FT		211470 FT
KELLY DOWN (BELOW R.B.)			4100 FT		4100 FT		1358 FT
DEPTH OF TOOLS			193262 FT		1995 FT		212928 FT

TOUR 1

TOUR 2

TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	1932 FEET	1995 FEET	2129 FEET
DEPTH START OF TOUR	1805 FEET	1932 FEET	1995 FEET
FOOTAGE DRILLED	127 FEET	63 FEET	134 FEET

1000' Gel
 4" Radio Only

	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 P.M.			
PUMP	69 1500	69 1500	69 1500	69 1500	64 1500				64 1500	64 1500	64 1500	64 1500			
ROTARY SPEED	100	100	100	100	100				100	100	100	100			
WEIGHT ON BIT	10	10	10	20	20				20	20	20	20			
MUD WEIGHT	9.6	9.6	9.6	9.6	9.6				9.5	9.5	9.5	9.6			
VISCOSITY	38	36	36	36	36				39	37	39	39			
W.L.F.C.	2/32	2/32	2/32	2/32	2/32				2/32	2/32	2/32	2/32			
p.H.	9.5	9.5	9.5	9.5	9.5				9.5	9.6	9.5	9.6			
MUD LEVEL IN TANKS															

TRIPPED B
 Drill String

Run 7" JO

STER. CS

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION
1	8 3/4	37290	H.W XIG	3/9	31 3/4		1995	1151		301 6-9-5
2	8 3/4	37244	H.W XIG	2/10 1/4		849				
2	8 3/4	37244	H.W XIG	2/10 1/4		1995				

CORRECTED

CORRECT

CORE	No.	No.	DST No	FROM		TO		MUD ENGINEER'S REPORT					
				PREFLOW	mins	IHP	psi	IFP	psi	Time	AM PM	Alk	
FROM				ISI	mins	FHP	psi	FFP	psi	Mud Wt		Int. Gel	10 Min. Gel
TO				VO	mins	ISIP	psi	GTS	mins	Visc		WLF C	
Recovery				FSI	mins	FSIP	psi	FTS	mins	A V		pH	
HOURS				RECOVERY						P V		Solid	

DOUBLE ME

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	DEVIATION RECORD		
					Kind	Depth	Reading
DRILLER	U. Kraus	G. Winslow	H. Skinnick				
DERRICKMAN	B. Wagstaff	Ken Beck	L. Knortch		1700	1869	2 1/2"
HELPER	E. Anderson	Jan. Remis	C. Hillgreen		TOTCO	1965	2"
HELPER	M. Gallows	Chole Kelly	L. Zimin				
HELPER	J. Mackin		L. Roy				
MAN							
PUSHER	James Fraser						

Temp @ 8'

7-58'-58

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
1972	Kind	Amount		
TOUR	TOUR 1	12 ⁰⁰	12 ¹⁵	SURVEY & RIG SERVICE
96 FT.		12 ¹⁵	3:00	Drill 8 3/4 L.L.G
FT.		3:00	3 ¹⁵	WORK ON GEO LINE
21 FT.		3 ¹⁵	3 ⁴⁵	Drill
FT.		3 ⁴⁵	4:30	WORK ON SHAKER
24 FT.		5:30	6:00	Drill
FT.		6:00	8:00	DRILL
FT.		8:00	11:00	DRILL
TOUR 2		11:00	11:15	CIRCUITRY
23 FT.		11:15	11:30	SURVEY
FT.		11:30	1:30	Hoist lay down on single
06 FT.		1:30	1:45	Rig Service
FT.		1:45	2:30	WORK ON RIG LINE
70 FT.		2:30	4:00	RUN IN
59 FT.				
28 FT.	TOUR 3	4 ¹⁵	4 ¹⁵	SEN RIG, CHECK 8.0's
OUR	1000# GEL	4 ¹⁵	4 ¹⁵	BREAK CIRC CLEAN 30' to Bottom
FEET	4" Rapid Drill	4 ³⁰	4 ⁴⁵	WORK JUNK SUB
FEET		4 ⁴⁵	8 ¹⁵	DRILL
FEET		8 ¹⁵	8 ⁴⁵	Repair GEORADAR, P-T NEW SHIVES
HOURS		8 ⁴⁵	11:45	DRILL
M. 12:00 P.M.		11:45	12 ¹⁵	Work ON 4 1/2 CAMERON

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

100 TRIPPED BIT #1 XIGT AT 1995' TO CHECK FOR WASH OUT IN
 20 DRILL STRING. HAYED DOWN SINGLE W/ WASH OUT 1 FT ABOVE PIN
 96
 39 Ran 7" JUNK SUB IN BIT #2
 17
 9.6 OTHER CSB MADE TRIP TO RIG FROM PARRIN BASE

6-9-7 CORRECTED ELEVATIONS

CORRECTED GROUND ELEV. 1257.0'
 FILL 4.0'
 GROUND ELEV. 1261.0'
 K.B. TO G.L. 15.6'
 K.B. ELEVATION 1276.6'

DOUBLE MEASURE OLD 1996.08
 NEW 1993.97
 DIFF. 2.11' NO CORRECTION

Reading
 2 1/2
 2°

Temp @ 8:00 AM - 30°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR

C.P.D. Drilling RIG NO. 15
 E-pine CRK N 66°-57'53" W 131°-58'-58"

FIELD *Xuton*

WELL NAME *Chauron 502*

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

SAN 4 1972

MUD and CHEMICALS

DRILLING ASSEMBLY		END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS	D.P.	NO. <i>6</i>	<i>52766</i> FT.	NO. <i>10</i>	<i>94820</i> FT.	NO.	<i>120129</i> FT.
SINGLE	D.P.	NO. <i>2</i>	<i>6346</i> FT.	NO. <i>1</i>	<i>3159</i> FT.	NO.	<i>3148</i> FT.
X-OVER SUB	O.D.		<i>321</i> FT.		<i>321</i> FT.		<i>321</i> FT.
OTHER	O.D.						
DRILL COLLARS	<i>18</i> O.D.		<i>55124</i> FT.		<i>55129</i> FT.		<i>55124</i> FT.
DRILL COLLARS	O.D.	NO.		NO.		NO.	
REAMER	O.D.	KIND		KIND		KIND	
STABILIZER	<i>2 9 3/4</i> O.D.	KIND	<i>9 9 23</i> FT.	KIND	<i>9 23</i> FT.	KIND	<i>9 23</i> FT.
JARS		KIND		KIND		KIND	
BUMPER SUB.		KIND		KIND		KIND	
BIT OR CORE BARREL							
TOTAL D.P. & TOOLS			<i>119580</i> FT.		<i>154347</i> FT.		
KELLY DOWN (BELOW R.B.)			<i>4100</i> FT.		<i>20</i> FT.		<i>4100</i> FT.
DEPTH OF TOOLS			<i>123680</i> FT.		<i>156347</i> FT.		<i>180597</i> FT.

TOUR	Kind
TOUR 1	<i>Dark</i> <i>PP.D Drill</i>
TOUR 2	<i>GEL</i> <i>PP.D Drill</i>
TOUR 3	

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	<i>1236</i> FEET	<i>1563</i> FEET	<i>1805</i> FEET
DEPTH START OF TOUR	<i>982</i> FEET	<i>1236</i> FEET	<i>1563</i> FEET
FOOTAGE DRILLED	<i>254</i> FEET	<i>327</i> FEET	<i>242</i> FEET

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 P.M.
PUMP	<i>1600</i>	<i>1550</i>	<i>1310</i>	<i>1400</i>	<i>1200</i>	<i>1100</i>	<i>1900</i>	<i>64</i>	<i>1800</i>	<i>1800</i>	<i>64</i>	<i>1800</i>
ROTARY SPEED	<i>70</i>	<i>70</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>
WEIGHT ON BIT	<i>15-20</i>	<i>15-20</i>	<i>15-20</i>	<i>15</i>	<i>25</i>	<i>25</i>	<i>30</i>	<i>15-20</i>	<i>10-15</i>	<i>10-15</i>	<i>10-15</i>	<i>10-15</i>
MUD WEIGHT		<i>8.5</i>	<i>8.6</i>	<i>8.6</i>	<i>8.7</i>	<i>8.8</i>	<i>8.8</i>	<i>8.8</i>	<i>8.9</i>	<i>8.9</i>	<i>8.9</i>	<i>8.9</i>
VISCOSITY	<i>28</i>	<i>30</i>	<i>36</i>	<i>36</i>	<i>36</i>	<i>40</i>	<i>4.2</i>	<i>38</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>
W.L./F.C.												
p.H.							<i>9.0</i>					
MUD LEVEL IN TANKS												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT. HR.	BIT CONDITION
<i>1</i>	<i>8 3/4</i>	<i>37240</i>	<i>XIG - H.W</i>	<i>3/9</i>		<i>844</i>	<i>18057</i>	<i>941</i>	<i>224</i>	<i>DRILLING</i>

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT				
TYPE		PREFLOW	mins	IHP	psi	I.F.P.	psi	Time	A.M. / P.M.
FROM		ISI	mins	FHP	psi	F.F.P.	psi	Mud Wt	Int Gel / 10 Min Gel
TO		VO	mins	I.P.	psi	G.T.S.	mins	Visc	W.L.F.C.
Recovery		FSI	mins	F.S.I.P.	psi	F.T.S.	mins	A.V.	p.H.
HOURS		RECOVERY						P.V.	Spud

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>D. Smith</i>	<i>W. Krawinkel</i>	<i>Robertson</i>	Kind	Depth	Reading
DERRICKMAN	<i>W. Brown</i>	<i>B. Winstoff</i>	<i>Stevenson</i>	Totals	<i>980</i>	<i>1 1/2°</i>
HELPER	<i>McKenny</i>	<i>P. Abraham</i>	<i>Chole Hill</i>	Totals	<i>1298</i>	<i>2°</i>
HELPER	<i>D. Brown</i>	<i>M. Gallaway</i>	<i>Robertson</i>	Totals	<i>1399</i>	<i>1 3/4°</i>
HELPER	<i>J. Nyathi</i>	<i>J. Krawinkel</i>	<i>Robertson</i>	Totals	<i>1710</i>	<i>2 3/4°</i>

Temp @ 5

53" W 137-58-58

		MUD and CHEMICALS ADDED		OTHER HOURLY OPERATING DETAIL		
		Kind	Amount	From	To	WORK DONE
192				1200	100	WORK ON SWIVEL
TOUR				100	130	SURVEY & RIG SERVICE
29	FT.	Oil	800	130	200	WORK PLUGGED BIT
48	FT.	Rapid Drill	70	200	245	DRILL
21	FT.			245	315	TIGHTEN KEYS, HOSE UNION ON GOOSE NECK OF STAND PIPE
	FT.			315	800	DRILL
24	FT.					
	FT.					
	FT.					
	FT.					
23	FT.	GEL		8:00	8:30	PUMP @ 1/2 SPEED 650 psi
	FT.	Rapid Drill		8:30	9:00	DRILL
	FT.			9:00	9:30	RIG SERVICE & BOPS
	FT.			9:30	10:00	DRILL
	FT.			10:00	11:00	DRILL + SURVEY 2'
	FT.			11:00	12:00	DRILL SURVEY 134-134
	FT.			12:00		DRILLING 8 3/4" HOLE
00	FT.				4:00	
97	FT.	TOUR 3	1	4:00	4:30	DRILL 8 3/4" Hole
	FEET			4:30	5:00	RIG SER
	FEET			5:00	8:30	DRILL
	FEET			8:30	9:00	SURVEY + WORK ON PUMP
	FEET			9:00	12:00	DRILL

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

TWIN DETER MADE 2 TRIPS TO RIG FROM PARKIN BASE

604.66
 201.27

CONDITION
 218
 REPORT
 Gel.
 n. Gel
 FC
 RD
 Reaching
 1 1/2"
 2"
 1 3/4"
 2 3/4"

Temp @ 8:00 A.M. - 40°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD **JUKOR**

CONTRACTOR **CIP**

RIG NO **15**

WELL NAME **CHEVRON 50AC-WIN-E PINK CAN**

LSD

SEC

TWP

Rge

W

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

JAN 3

1972

MUD and CHEMICALS Kind

DRILLING ASSEMBLY			END OF MORNING TOUR				END OF DAYLIGHT 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.	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
41944 FT.
821 FT.
55124 FT.
923 FT.
98812 FT.
4100 FT.

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR			980 FEET
DEPTH START OF TOUR			844 FEET
FOOTAGE DRILLED			136 FEET

TOUR 2
923 FT.

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 P.M.
PUMP												
ROTARY SPEED												
WEIGHT ON BIT												
MUD WEIGHT												
VISCOSITY												
W.L./F.C.												
p.H.												
MUD LEVEL IN TANKS												

Pressure Test
 Press. Tested H
 Press. Tested
 Press. Tested
 Press. Tested S

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT HR	BIT CONDITION
2220	12 1/2	26978	H.W. USC-3	OPEN	22 1/2	312	844	530		2-1-I
1	8 3/4	37240	H.W. XIGT	3x9		844				

Checked Top
 Drilled

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW	mins.	IHP	p.s.i.	IFP	p.s.i.	Time	AM PM	Alk
FROM		ISI	mins.	FHP	p.s.i.	FFP	p.s.i.	Mud Wt		10 Min. Gel
TO		V.O.	mins.	ISIP	p.s.i.	GTS	mins.	Visc.		W L F C
Recovery		F.S.I.	mins.	F.S.I.P	p.s.i.	FTS	mins.	A V		p.H.
HOURS		RECOVERY						P V		Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	DEVIATION RECORD		
DRILLER	<i>D. Smith</i>	<i>W. Krawinkel</i>	<i>Rufe Turner</i>		Kind	Depth	Reading
DERRICKSMAN	<i>W. Green</i>	<i>B. Wagstaff</i>			TORCO	844	1 1/2"
HELPER	<i>S. McKurney</i>	<i>E. Abraham</i>					
HELPER	<i>K. Drenth</i>	<i>H. Holloway</i>	<i>Richard Power</i>				
HELPER	<i>B. Nyotli</i>	<i>J. Mackin</i>	<i>Chad Kelly</i>				
MAN							
HER	<i>D. Pimental</i>						

Jump @ 8

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1				
44 FT.		1200	130	RUN IN W. BIT & TAG TOP OF CEMENT @ 779
21 FT.		130	700	PRESSURE TESTING
24 FT.		700	800	STARTING SHAKER & BLOWING MUD LINES TO CIRC.
TOUR 2				
23 FT.		8:00	8:45	RIG SERVICE & CHECK RIG SAVERS
		9:45	10:30	WORK ON SHAKER
		10:30	2:00	DRILLING OUT SHOE INT
		2:00	3:00	DRILLING 12 1/4 HOLE
		3:00	3:15	SURVEY
		3:15	4:00	BLIND KELLY & HOIST OUT OF THE HOLE
12 FT.		4:00	4:30	FINISH OUT W/ 12 1/4 B.T
00 FT.		4:30	5:30	WAL DOWN 10" DG
TOUR 3				
		5:30	7:30	PICK UP 7" DG + 2 STABILIZERS
		7:30	8:00	RUN W/ 8 1/4 B.T
		8:00	8:15	R.G.S.C.R
		8:15	12:00	DRILL 8 1/4 HOLE

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

120 PRESSURE TESTED PIPE RAMS TO 1530 PSI W/ DIESEL FOR 15 MIN. NO. PRESS. DROP
 15 PRESS. TESTED HYDRIL; OUTSIDE WING VALVES TO 1540 PSI W/ DIESEL FOR 15 MIN. NO. PRESS. DROP
 8.5 PRESS. TESTED INSIDE WING VALVES TO 1525 PSI W/ DIESEL FOR 10 MIN. NO. PRESS. DROP
 30 PRESS. TESTED HIGH HAZARD BLEED. OFF HANICULO TO 1560 PSI W/ DIESEL FOR 10 MIN. NO. PRESS. DROP
 PRESS. TESTED STAND PIPE, KELLY HOSE, KELLY COCK TO 1800 PSI W/ DIESEL FOR 10 MIN. NO. PRESS. DROP

CHECKED TOP OF CEMENT @ 779'. FLOAT COLLAR BY CASING MEASURE 784'.
 DRILLED OUT SHOE INT W/ 12 1/4" BIT; DRILLED ANEAS TO 800'

REPORT

el. n. Gel

C

p.m. p.m.

D

Reading 1 1/2°

Temp @ 8:00 A.M - 35°

[Signature]
 SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD *Yukon*

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

CONTRACTOR *C.P. DRILLING* RIG NO. *15*
 WELL NAME *CHANDLER 5030 Wm-YT D-78-N-66-5753-13R 5-8'-5-8" W*
 LSD SEC TWP Rge W

FOR 24 HOURS ENDING 12 MIDNIGHT *JANUARY 2 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	<i>10</i> O.D.	<i>2</i>	FT.		FT.		FT.		FT.		FT.		FT.
DRILL COLLARS	<i>7</i> O.D.	<i>NO 11</i>	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.			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	<i>924</i> FEET		
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 P.M.
PUMP	s.p.m.	p.s.i.										
ROTARY SPEED	R.P.M.											
WEIGHT ON BIT	M lbs.											
MUD WEIGHT	lb/gal											
VISCOSITY	sec/qt											
W.L./F.C.	c.c./32nd											
p.H.												
MUD LEVEL IN TANKS	Ft.-Ins.											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	TOTAL BIT LIFE	FT. HR.	BIT CONDITION
<i>RL2A</i>	<i>12 1/4</i>	<i>26978</i>	<i>H.W. OSC3-5</i>	<i>Open</i>	<i>824</i>					

CORE No.	No.	DST No.	FROM		TO		MUD ENGINEER'S REPORT											
			PREFLOW	mins	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	AM	PM	AK						

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
	Kind	Depth	Reading			
DRILLER	<i>V. Smart</i>	<i>W. Frankfort</i>	<i>E. Johnson</i>			
DRILLERMAN	<i>W. Green</i>	<i>B. Knigstiff</i>				
HELPER	<i>S. McKinney</i>	<i>E. Liberman</i>	<i>W. Jones</i>			
HELPER	<i>K. Green</i>	<i>M. Kelloway</i>	<i>Richard Reppel</i>			
HELPER	<i>J. Young</i>	<i>J. Mackinnon</i>				
FIREMAN						
TOOL PUSHER	<i>A. Reppel</i>					

MUD and CHEMICALS	Kind
	TOUR 1
	TOUR 2
	TOUR 3

*TRIPPED UP
 WARM WATER
 (SERIES 900) /
 SHAFER;
 6" 80 gal
 2 NITRO*

*MINIMUM!
 AUTOMATIC
 FLOW NITRO
 HYDRIC
 BLEED-OFF
 SHAFER
 PRESSURE
 FOR 15 MIN*

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
1972				
TOUR				
FT.	TOUR 1	1200	730	CIRC 13 3/8 W / WARM WATER Blow off / lay Down pipe
FT.		730	745	
FT.		745	800	
FT.				
FT.				
FT.	TOUR 2	8:00	4:00	Cut COLLAR on CASING & manifold Nippleing up BOPS & manifold
FT.		8:00	4:00	
FT.				
FT.				
FT.				
TOUR				
FEET	TOUR 3	4:00	9:15	Nipple up BOPS PRESS TESTED BLIND RAMMS 15 MIN. 1500 Press. OK FINISH HOODING JO FLOW NIPPLE & CONDUCTOR PIPE REFRIGERATION COIL TRIP IN HOLE
FEET		9:15	9:30	
FEET		9:30	11:00	
FEET		11:00	12:00	
HOURS				
M	12.00 P.M.			

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

TRIPPED OUT OF HOLE AFTER 48 HRS WOC ! CIRCULATING WARM WATER IN CASING. NIPPLED UP 12" x 13 3/8" CASING BOWL (SERIES 900) 12" SERIES 900 HYDRIL 12" SERIES 900 HYDRAULIC DOUBLE SHAFER ; HIGH HAZARD BLEED OFF MANIFOLD. BOP. OPERATED BY 80 gal ~~HYDRIL~~ HYDRIL ACCUMULATOR w/ STANBY BAKER PUMP ; 2 NITROGEN BOTTLES @ 2000 ; 1800 psi

- MINIMUM I.D. of BOP STACK.
- AUTOMATIC MUD STRIPPER BOX - 12 1/2"
 - FLOW NIPPLE - 12 3/8"
 - HYDRIL - 13 1/8"
 - BLEED-OFF SPOOL - 13 1/8"
 - SHAFFER - 13 1/8"

PRESSURE GASING w/ WATER ; BLIND RAMMS w/ DIESEL TO 1500 PSI FOR 15 MIN. NO PRESSURE DROP.

Temp @ 8:30 A.M. -10°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD YUKON

WELL NAME CHAUSSON

CONTRACTOR C.P. Drilling RIG NO. 15

3030-WM-R PINE CRK-N-66-57-53-137-58-58

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT

JANUARY 1 1972

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.	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 .. <u>10</u> O.D.	<u>2</u>	FT.		FT.		FT.		FT.		FT.		FT.
DRILL COLLARS .. <u>11</u> O.D.	NO. <u>7</u>	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 1

TOUR 2

TOUR 3

TOUR	MORNING TOUR				DAYLIGHT TOUR				AFTERNOON TOUR			
DEPTH END OF TOUR			<u>224</u>	FEET				FEET			<u>824</u>	FEET
DEPTH START OF TOUR				FEET				FEET				FEET
FOOTAGE DRILLED				FEET				FEET				FEET

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 P.M.
PUMP s.p.m. p.s.i.	/	/	/	/	/	/	/	/	/	/	/	/
ROTARY SPEED R.P.M.												
WEIGHT ON BIT M lbs.												
MUD WEIGHT lb/gal												
VISCOSITY sec/qt												
W.L./F.C. c.c./32nd	/	/	/	/	/	/	/	/	/	/	/	/
p.H.												
MUD LEVEL IN TANKS Ft.-Ins.												

DEALER

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET PER HOUR	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT		
TYPE		PREFLOW	mins. I.H.P.	p.s.i. I.F.P.	Time	AM	Alk
FROM		I.S.I.	mins. F.H.P.	p.s.i. F.F.P.	Mud Wt		Int. Gel
TO		V.O.	mins. I.S.I.P.	p.s.i. G.T.S.	Vis		W.L.F.C.
Recovery		F.S.I.	mins. F.S.I.P.	p.s.i. F.T.S.	A.V.		p.H.
HOURS		RECOVERY			P.V.		Sand

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	Y.P.	DEVIATION RECORD		
					Kind	Depth	Reading
DRILLER	<i>V. Dorn</i>	<i>W. Krawinkel</i>	<i>Rufe Taylor</i>				
DERRICKMAN	<i>W. Dren</i>	<i>B. Westhoff</i>					
HELPER	<i>J. M. Kuning</i>	<i>E. Albrecht</i>	<i>Charles K. Jones</i>				
HELPER	<i>R. Dren</i>	<i>M. Hallaway</i>	<i>Richard Reppner</i>				
HELPER	<i>B. Nyoteli</i>	<i>J. Macknall</i>					
FIREMAN							

Temp

TOUR REPORT

FIELD Yukon

WELL NAME Heuron

CONTRACTOR Sobe. um - F. P. Drilling

LSD

SEC

TWP

RIG NO. 15-

Rge

W

- DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

Dec 31

1971

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.	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	Kind
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				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 P.M.
PUMP	s.p.m.	p.s.i.										
ROTARY SPEED	R.P.M.											
WEIGHT ON BIT	M lbs.											
MUD WEIGHT	lb/gal											
VISCOSITY	sec/qt		<u>59</u>									
W.L./F.C.	c.c./32nd											
p.H.												
MUD LEVEL IN TANKS	Ft.-Ins.											

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 3/32	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	FT/HR	BIT CONDITION

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT					
TYPE		PREFLOW	mins.	I.H.P.	p.s.i.	I.F.P.	p.s.i.	Time	A.M. / P.M.	Alk.
FROM		I.S.I.	mins.	F.H.P.	p.s.i.	F.F.P.	p.s.i.	Mud Wt.		Int. Gel (10 Min. Gel)
TO		V.O.	mins.	I.S.I.P.	p.s.i.	G.T.S.	mins.	Visc.		W.L.F.C.
Recovery		F.S.I.	mins.	F.S.I.P.	p.s.i.	F.T.S.	mins.	A.V.		p.H.
HOURS		RECOVERY						P.V.		Solid %
SIGNATURES								Y.P.		CA, ppm / CL, ppm

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
				Kind	Depth	Reading
DRILLER	<u>D. Daniel</u>	<u>Willy Krausch</u>	<u>Ryestrom</u>			
DERRICKMAN	<u>W. Allen</u>	<u>B. Hestuff</u>				
HELPER	<u>S. McQuinn</u>	<u>E. Abraham</u>	<u>Chris Rogers</u>			
HELPER	<u>L. Allen</u>	<u>M. Galloway</u>	<u>Richard Rogers</u>			
HELPER	<u>C. Ngostli</u>	<u>J. Mackinac</u>				
FIREMAN						
TOOL PUSHER	<u>D. Thompson</u>					

BEAVER C.S.
CHECKED
CASING DATA
RAN 25 IN
AT 819.07
4 BITW CEN
CENTER - / NO
IN BOTTOM 40
1- 13 3/8" DIA
1 INT. 13 3/8" 5'
1- 13 3/8" DIA
20 UNITS 13 3/8" 5'
K.O.
CEMENTING
CEMENTED
PRECEED CEN
IN 35 MIN. FA
IN 90 MIN. FA
BUNNED PLU
TO OPSI FA
Temp @ 8

53-1370-58-58

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		1200	330	FINISH RUNNING 13 3/8 CASING
		330	515	RIG TO CIRC 7 CIRC
		515	600	RIG TO CEMENT
		600	730	CEMENT CASING
		730	800	TEAR OUT B & CEMENTORS
TOUR 2		800	815	RIG SERVICE
		815	205	CLEAN MUD TANKS,
				TEAR OUT BLOW LINE, CUT
				5 CUT 1/2 FT OFF FLOW LINE
				TO LONG TEAR OUT CS9
				EQUIPMENT OFF FLOOR
				NIPPLE UP TO CIRC
		245	345	RUN IN 3 STANDS + PICK
				UP IN SINGLES
TOUR 3		345	400	PICK UP KELLY
		400	500	FINISH NIPPING UP TO CIRC 13 3/8 CASING
		500	1200	CIRC 13 3/8 CASING

BEAVER CSA MADE TRIP TO RIG FROM PARKIN BASE.

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

CHECKED BOTTOM BY CASING AT 820.97'. BOTTOM BY DRILLER 824.47'

CASING DETAILS

RAN 25 JNTS (803.09') 13 3/8" 54.5" K-55 ST-1 C CASING AND LANDED AT 819.47'. STRING EQUIPPED WITH A 13 3/8" DAVIS FLOAT SHOE; COLLAR; 4 B/W CENTRALIZERS, CENTRALIZERS SPACED 5'; 20' ABOVE SHOE AND IN CENTER OF NEXT 2 JNTS. SHOE, COLLAR; 3rd JNT THREADLOCKED; C&G COLLARS IN BOTTOM 4 JNTS SPOT WELDED. STRING MADE UP; RUN AS FOLLOWS:

- 1- 13 3/8" DAVIS FLOAT SHOE — 1.70'
- 1 JNT. 13 3/8" 54.5" K-55 CASING — 32.52'
- 1- 13 3/8" DAVIS FLOAT COLLAR — 1.45'
- 24 JNTS 13 3/8" 54.5" K-55 CASING — 767.42'
- TOTAL STRING — 803.09'
- K.B. TO TOP OF COLLAR — 16.38'
- LANDED DEPTH — 819.47'

CEMENTING DETAILS

CEMENTED ABOVE STRING w/ 800 SACS CLASS I CEMENT + 3% Ca Cl₂. PRECEED CEMENT w/ 200 BLS FRESH WATER. MIXED CEMENT TO A 15.2" gal SURRY IN 35 MIN. FROM 6:00 AM - 6:45 A.M. DISPLACED CEMENT w/ 124 BLS FRESH WATER IN 40 MIN FROM 6:50 A.M. - 7:30 A.M. MAXIMUM DISPLACING PRESS. 200 PSI. BUMPED PLUG w/ 1000 PSI. C.I.P. 7:30 AM. DEC. 31 / 71. BLEED OFF. TO OPSI FLOATS HELD. CIRC. ESTIMATED 160 SACS CLEAN CEMENT

Temp @ 8:00 AM -5°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **C.P. CRK YTO-78**

RIG NO **15-**

65°

FIELD **CHEURON SOBC WM. E. P. 12** WELL NAME **CONTRACTOR** LSD **SEC** TWP **W** Rge **W**

DRILLING DEEPENING COMPLETING

REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **Dec 30 1971**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS .. 4 D.P.	NO.	37893	FT.	NO.	4	37893
SINGLE .. D.P.	NO.		FT.	NO.		FT.
X-OVER SUB .. O.D.	3	1054	FT.		3	1054
OTHER .. O.D.			FT.			FT.
DRILL COLLARS .. 108	2	6040	FT.		2	6040
DRILL COLLARS .. 9 D	NO. 11	33683	FT.	NO.	11	33683
REAMER .. 17 1/2	KIND	380	FT.	KIND		380
STABILIZER .. 17 1/2	KIND	1407	FT.	KIND		1407
JARS			FT.			FT.
BUMPER SUB.			FT.			FT.
BIT OR CORE BARREL		105	FT.			105
TOTAL D.P. & TOOLS			FT.			FT.
KELLY DOWN (BELOW R.B.)		80552	FT.			80552
DEPTH OF TOOLS		82402	FT.			82402

TOUR	MORNING TOUR		DAYLIGHT TOUR		AFTERNOON TOUR	
DEPTH END OF TOUR		824	FEET			FEET
DEPTH START OF TOUR		747	FEET			FEET
FOOTAGE DRILLED		77	FEET			FEET

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 P.M.
PUMP												
ROTARY SPEED							50					
WEIGHT ON BIT	15.20						20					
MUD WEIGHT	15	15					87					
VISCOSITY	3/10	3/10					105					
AIR PRESS	90	90										
MUD LEVEL	600	620										
IN TANK	55	55										

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FT HR	BIT CONDITION
3A	17 1/2		PILOT REAMER	3x12		314	824	510	

CORE	No.	No.	DST No	FROM			TO			MUD ENGINEER'S REPORT		
				PREFLOW	mins	IHP	psi	I F P	psi	Time	A M P M	Air
FROM				I.S.I	mins	F.H.P	psi	F.F.P	psi	Mud Wt		10 Min Gel
TO				V.O.	mins	I.S.I.P	psi	G.T.S	mins	Visc		W.L.F.C
Recovery				F.S.I	mins	F.S.I.P	psi	F.T.S	mins	A.V		p.H
HOURS				RECOVERY						P.V		Solid

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
	DRILLER	DERRICKMAN	HELPER	Kind	Depth	Reading
	D. Smith	W. Frankfort	Leslie Jones			
	W. Suen	B. Wagstaff				
	McKinney	E. Stephens	Charles Reynolds			
	W. Suen	M. Dalloway	Richard Reynolds			
	D. N. Jenkins	John Mackintosh				
	D. Legendamp					

TOUR 1

TOUR 2

TOUR 3

REAMED TO 824'

DISPLACED

DISPLACED

DOUBLE M

DRILLED

65° 57' 53" N 137° 58' 58" W

OTHER HOURLY OPERATING DETAIL
WORK DONE

1971		MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
TOUR	Kind	Amount				
93	FT.			1200	1215	RIG SERVICE TEAM 12 1/4" RATHOLE TO 17 1/2" Circ Hole TEAR OUT AIR DRINKING & R. G up To Disphase Disphase MUD TO HOPE NO RETURNS - BUILDING MORE VOLUME & MIX MUD.
	FT.			1215	530	
	FT.			530	545	
	FT.			545	630	
54	FT.			630	800	RIG SERVICE Blow Kelly Building Volume & mix mud DISPLACE MUD - NO RETURNS MIX MUD & BUILDING VOLUME BREAK CIRC & BUILDING VOLUME HOIST REACK
	FT.			800	815	
	FT.			815	1130	
	FT.			1130	1200	
40	FT.			1200	1215	TOUR 2
83	FT.			1215	1	
80	FT.			1	300	
07	FT.			300		
52	FT.			400	415	TOUR 3 Finish Runin. Rig SER Circ + CONN Hole Blow Kelly Run in the 2 - 4" out LAY DOWN 17 1/2" STAB - BT HOLE REACK Run TO RUN CASING Run 13 7/8" CASING
02	FT.			415	430	
	FEET			430	600	
	FEET			600	730	
	FEET			730	900	
	FEET			900	1000	
	FEET			1000	1200	

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

LEARNED 12 1/2" PILOT HOLE TO 17 1/2" TO 820'. DRILLED AHEAD TO 824'.

DISPLACED HOLE WITH 650 bbls GEL MUD NO RETURNS.
DISPLACED HOLE w/ 100 bbls GEL MUD. OBTAINED RETURNS AT SURFACE
DOUBLE MEASURE OLD 820.02'

NEW 822.07'

DIFF. 1.55' CORRECTION MADE

DRILLED 17 1/2" HOLE TO 820.07'

REPORT

Get in Gel

F C

o.p.m

p.p.m

RD

Reading

Temp @ 8:00 AM - 2°

[Signature]

SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD _____ WELL NAME **CHURON** CONTRACTOR **C.P. SOB WITH EAST PINE CRK** RIG NO **15**
 DRILLING DEEPENING COMPLETING W
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **DEC 29 1971**

DRILLING ASSEMBLY	END OF MORNING TOUR		END OF DAYLIGHT TOUR		END OF AFTERNOON TOUR	
STANDS .. D.P.	NO 1	9460 FT	NO	18927 FT	NO 3	FT
SINGLE .. D.P.	NO 1	3152 FT	NO	3189 FT	NO	FT
X-OVER SUB .. O.D.	3	1054 FT	3	1054 FT	3	1054 FT
OTHER .. O.D.		FT		FT		FT
DRILL COLLARS .. 18 D	2	6040 FT	2	6040 FT	2	6040 FT
DRILL COLLARS .. 7 1/2 D	NO 11	33683 FT	NO	33683 FT	NO 11	33683 FT
REAMER .. O.D.	KIND	380 FT	KIND	380 FT	KIND	380 FT
STABILIZER .. 17/2 O.D.	KIND	1407 FT	KIND	1407 FT	KIND	1407 FT
JARS	KIND	FT	KIND	FT	KIND	FT
BUMPER SUB	KIND	FT	KIND	FT	KIND	FT
BIT OR CORE BARREL		105 FT		105 FT		105 FT
TOTAL D.P. & TOOLS		55281 FT		FT		FT
KELLY DOWN (BELOW R.B.)		4122 FT		4002 FT		FT
DEPTH OF TOOLS		59403 FT		71902 FT		719 - FT

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	594 FEET	719 FEET	747 FEET
DEPTH START OF TOUR	381 FEET	598 FEET	719 FEET
FOOTAGE BEHAVIOR	213 FEET	125 FEET	28 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	/											
ROTARY SPEED	/											
WEIGHT ON BIT	/											
MUD WEIGHT	15	15	15	15	/							
SOFOREX VISCOSITY	3/10	3/10	3/10	3/10	/							
AIR PRESS	90	90	95	90	/							
AIR VOLUME	500	500	500	500	/							
MUD LEVEL IN TANKS	55	55	55	55	/							

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN '32	TOTAL HOURS	FROM	TO	REMARKS	BIT CONDITION
3A	17/2		Pilot Reamer						

CORE No	No.	DST No	FROM	TO	MUD ENGINEER'S REPORT			
TYPE		PREFLOW	mins	FHP	Time	Temp	Gr	Gr
FROM		ISI	mins	FHP	Time	Temp	Gr	Gr
TO		VO	mins	ISI	Time	Temp	Gr	Gr
Recovery		FSI	mins	FSP	Time	Temp	Gr	Gr
HOURS		RECOVERY						

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DRILLER	<i>D. Smith</i>	<i>W. Krawinkel</i>	<i>Rafe Jovan</i>
DERRICKMAN	<i>W. Green</i>	<i>B. Wagstaff</i>	
HELPER	<i>S. McKinney</i>	<i>E. Abraham</i>	
HELPER	<i>K. Green</i>	<i>M. Salloway</i>	
HELPER	<i>B. Nyotte</i>	<i>J. Snacknath</i>	
FIREMAN			
TOOL PUSHER	<i>D. Luperkamp</i>		

Kind
TOUR 1
Graph Rapid drill
TOUR 2
TOUR 3

BEAVER
REAMED
BALLED

Temp @ 2

65-57-

MATERIALS AND CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		1200	130	REAMING 12 1/4 RATHOLE TO 17 1/2
		130	200	Lay Down WORKING SINGLES PICK UP D.C.
Coil Rapid drill	4000 30	200	800	REAMING
TOUR 2		8:50	8:15	RIG SERVICE
		8:15	11:45	REAMING 12 1/4 RATHOLE TO 17 1/2
		11:45	12:15	CIRC RATHOLE & BREAK DOWN STAND (D.R.)
		12:25	4:00	REAMING 12 1/4 RATHOLE TO 17 1/2
TOUR 3		4:00	4:15	RIG SERVICE
		4:15	7:00	REAMING 12 1/4 RATHOLE TO 17 1/2
		7:00	7:15	CIRC HOLE
		7:15	9:15	HOIST OUT
		9:15	9:30	HOIST OUT 1 TETTERMAN BIT
		9:30	10:45	RUN IN
		10:45	11:45	BREAK CIRC & WORK ON R...
		11:45	12:00	REAM

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

BEAVER CSA MADE TRIP TO RIG FROM PARKIN BASE

REAMED 12 1/4" HOLE TO 17 1/2" TO 747'. TRIPPED FOR BALLED UP REAMER.

[Signature]
SIGNATURE COMPANY ENGINEER

Temp @ 8:00 AM -18°

TOUR REPORT

CONTRACTOR **CHEVRON SORE W.M.E. Pine Creek** RIG NO **15**
 LSD SEC TWP R9R W

65-57-
 MUD and CHEMICAL
 Kind

FIELD WELL NAME FOR 24 HOURS ENDING 12 MIDNIGHT **Dec 28 1971**

DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

DRILLING ASSEMBLY	END OF MORNING TOUR	END OF DAYLIGHT TOUR	END OF AFTERNOON TOUR
STANDS .. D.P. NO. 32 30 688 FT	NO. 4 3785 3 FT	NO. 1 1390 FT	
SINGLE .. D.P. NO.			
X-OVER SUB .. O.D. 3 1054 FT	3 1054 FT	3 1054 FT	
OTHER .. O.D.			
DRILL COLLARS "10" O.D. 2 6040 FT	2 6040 FT	2 6040 FT	
DRILL COLLARS "7" O.D. NO. 11 33683 FT	NO. 11 33683 FT	NO. 8 25404 FT	
REAMER .. O.D. KIND			
STABILIZER 17 1/2 O.D. KIND 1407 FT	KIND 1407 FT	KIND 1407 FT	
JARS KIND			
BUMPER SUB KIND			
BIT OR CORE BARREL 135 FT	135 FT	135 FT	
TOTAL D.P. & TOOLS 77007 FT	80172 FT	35810 FT	
KELLY DOWN (BELOW R.B.) 1993 FT	2100 FT	2300 FT	
DEPTH OF TOOLS 79000 FT	82272 FT	38100 FT	

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	790 FEET	822 FEET	381 FEET
DEPTH START OF TOUR	684 FEET	790 FEET	319 FEET
FOOTAGE DRILLED	106 FEET	32 FEET	67 FEET

	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 s.p.m. p.s.i.												
ROTARY SPEED R.P.M.	100	100	100		100	100			50			50
WEIGHT ON BIT M.lbs.	5	5	5		5	5			12			12-15
W.M.E. SOLA 9M/100 lb/gal	15	15	15									
SOLA 9M/100 VISCOSITY	3-10	3-10	3-10									
AIR PRESS. PSI	90	90	90									
MUD VOLUME CFH	500	500	500									
MUD LEVEL IN TANKS	55	55	55									

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION
2A	12 1/4	26978	H.W. DSC-3+	OPEN	2 1/4	8 1/4	822	508	2-1-1

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT									
					PREFLOW	mins	IHP	psi	IFP	psi	Time	AM	AK	Int. Gel
					FROM	mins	FHP	psi	FFP	psi	Mud Wt			To Min. Gel
					TO	mins	ISIP	psi	GTS	mins	V.W.			W.L.F.C.
					Recovery	mins	FSIP	psi	FTS	mins	AV			
					HOURS		RECOVERY				P.V.			

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	A. SKINNER	D. SMITH	W. KRAWCZAK	Kind	Depth	Reading
DERRICKMAN	L. KATZ	W. GREEN	B. WAGSTACE	total	680	1 1/2
HELPER	C. HILLGREN	S. NICHOLS	M. GALLOWAY	total	710	1 1/4
HELPER	L. ZIMMER	G. NGATHI	E. ARCHIBAN	total	740	1 1/8
HELPER	L. BOYCHUCK	R. GREEN	J. MACKNAK	total	775	1 1/4
FIREMAN				total	820	1 1/4
TOOL PUSHER						

DRILLERS
 TALLY ON
 DIFF
 STRAIGHT
 B
 LEAVE
 DRILLER
 17 1/2" HOLES
 DOUBLE M

65° 57' 53" N. 137° 58' 58" W

OTHER HOURLY OPERATING DETAIL
WORK DONE

1971		AMOUNT and CHEMICALS ADDED:		From	To	
OUR	FT.	Kind	Amount			
		TOUR 1		12 ⁰⁰	12 ³⁰	Survey, Sea Rig
				12 ³⁰	2 ³⁰	Drill
				2 ³⁰	2 ⁴⁵	Work Hole Clean
90	FT.			2 ⁴⁵	3 ⁰⁰	Survey
54	FT.			3 ⁰⁰	3 ¹⁵	DRILL
				3 ¹⁵	3 ³⁰	TIGHTEN AIR COMPRESSOR BOTH on Compos
				3 ³⁰	4 ⁰⁰	DRILL
40	FT.			4 ⁰⁰	4 ¹⁵	WORK HOLE CLEAN
04	FT.			4 ¹⁵	4 ³⁰	Survey
				4 ³⁰	4 ⁴⁵	DRILL
80	FT.	TOUR 2		800	900	Run in w/ 12 1/4" Double measure
07	FT.			900	1130	INSTALL ROTATING REAMING IN HEAD
				1130	1155	DRILL
35	FT.			1155	130	Work Hole
10	FT.			130	200	Survey & R.G. Service
00	FT.			200	300	HOIST 2A C-822
00	FT.			300	400	BRAKE & Lay Down 12 1/4" STABILIZER
		TOUR 3				PICK 17 1/2" STABILIZER & Pilot Reamer
				4 ⁰⁰	4 ³⁰	TRIP IN WITH REAMER
				4 ³⁰	4 ⁴⁵	RIG SERVICE
				4 ⁴⁵	6 ⁰⁰	INSTALL ROTATOR HEAD & BREAK CIRC
				6 ⁰⁰	6 ⁴⁵	REAMING HOLE TO 17 1/2"
				6 ⁴⁵	7 ¹⁵	REPAIR INJECTION PUMP
				7 ¹⁵	7 ⁴⁵	Pull up to Lu Big Collars

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

55
12-15
Drillers Tally 811.29 - STAFF #1
Tally Out 808.21
DIFF 3.08

STAFF #2 - 842.94
840.23
BOARD - 2.71

BEAVER CSA MADE 2 TRIPS TO RIG FROM PARKIN BASE
Drilled 12 1/4" Pilot Hole to 820' PULLED BIT; Ran in w/
17 1/2" Hole opener w/ 17 1/2" Stabilizers @ 30'; 60'

DOUBLE MEASURE OLD 822.72' NEW 820.01' CORRECTION MADE

7:45 - 10:00 WORK ON FOAM INJECTION PUMP
10:00 - 10:30 TRIP IN
10:30 - 10:45 Break Circ
10:45 - 11:15 REAMING RAHOLE TO 17 1/2"
11:15 - 11:30 WORK HOLE CLEAN
11:30 - 11:45 REAMING HOLE

Reading
1 1/2
1 1/4
1 1/8
1 1/4
1 1/4

Lamp @ 8:00 AM 8°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. CHEVRON SOBC Wm E. Pine Creek** RIG NO. **15**
 WELL NAME **Y70-78** LSD SEC TWP Rgr W

65°-57'-53"

FIELD DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **Dec 27** 1971

MUD and CHEMICALS Kind

DRILLING ASSEMBLY		END OF MORNING TOUR				END OF DAYLIGHT TOUR				END OF AFTERNOON TOUR			
STANDS	D.P.	NO.			FT.	NO. 1			FT.	NO.			FT.
SINGLE	D.P.	NO.			FT.	NO.			FT.	NO.			FT.
X-OVER SUB	O.D.	3			1054 FT	3			1054 FT				1054 FT
OTHER	O.D.				FT				FT				FT
DRILL COLLARS	10" O.D.	2			6040 FT	2			6040 FT				6040 FT
DRILL COLLARS	7" O.D.	NO 10			30626 FT	NO 11			33683 FT	NO			30626 FT
REAMER	O.D.	KIND			FT	KIND			FT	KIND			FT
STABILIZER	17" O.D.	KIND			1407 FT	KIND			1407 FT	KIND			1907 FT
JARS		KIND			FT	KIND			FT	KIND			FT
BUMPER SUB		KIND			FT	KIND			FT	KIND			FT
BIT OR CORE BARREL					135 FT				135 FT				135 FT
TOTAL D.P. & TOOLS					39762 FT				51834 FT				
KELLY DOWN (BELOW R.B.)					4122 FT				4122 FT				4122 FT
DEPTH OF TOOLS					43384 FT				55956 FT				68393 FT

TOUR 1

TOUR 2

TOUR 3

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	433 FEET	559 FEET	689 FEET
DEPTH START OF TOUR	314 FEET	433 FEET	559 FEET
FOOTAGE DRILLED	119 FEET	126 FEET	125 FEET

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 P.M.
PUMP												
ROTARY SPEED R.P.M.	100	110		100	100	100	100	100	100	100	100	100
WEIGHT ON BIT M lbs.	5	5	5	5	5	5	5	5	5	5	5	5
FOAMS SOLA 9M/PPM	15 gal	15	15	15	15	15	15	15	15	15	15	15
SOLFOLEX 9M/PPM 100% SEC/QT	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10
AIR PRESS PSI			90	90	90	90	90	90	90	90	90	90
AIR VOLUME CFH	320	320	500	500	500	500	500	500	500	500	500	500
MUD LEVEL IN TANKS FT. INS.	65	55	55	55	55	55	55	55	55	55	55	55

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET HR	BIT CONDITION
2A	12 1/4	26978	H.W. OSC-35	CON		314			

CORE No	No.	DST No	FROM	TO	MUD ENGINEER'S REPORT				
TYPE		PREFLOW	mins	FHP	psi	FEP	psi	Time	AM P.V. Air
FROM		ISI	mins	FHP	psi	FEP	psi	Mud Wt	Int. Gel 10 Min. App
TO		VO	mins	ISIP	psi	G.T.S	mins	Visc	W.F.F.C
Recovery		FSI	mins	FSIP	psi	F.T.S.	mins	AV	PH
HOURS		RECOVERY						PV	Soil

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	Kind	Depth	Reading
DERRICKSMAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	Totco	340	1 1/2
HELPER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	"	370	1 1/4
HELPER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	"	400	1 1/4
HELPER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	"	433	1 1/4
FIREMAN					460	1 1/4
TOOL PUSHER	<i>[Signature]</i>				410	1 1/4

525-1 1/4
 559-1 1/2
 589-1 1/8
 600-1 1/4
 651-1 1/2

65° 57' 53" N 132° 58' 58" W

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To	
1971	Kind	Amount		
	TOUR 1	12 ⁰⁰	12 ³⁰	DRILL
09		12 ³⁰	1 ⁰⁰	WORK TIGHT HOLE ON CONNECTION
		1 ⁰⁰	1 ¹⁵	SEN RIG + SURVEY
		1 ¹⁵	1 ⁴⁵	CLEAN 10' TO BOTTOM HOLE TIGHT
54		1 ⁴⁵	3 ⁰⁰	DRILL
		3 ⁰⁰	3 ¹⁰	WORK PIPE CLEAN HOLE
		3 ¹⁰	3 ⁴⁵	SURVEY
40		3 ⁴⁵	5 ⁰⁰	DRILL
26		5 ⁰⁰	6 ¹⁵	WAIT ON WATER
		6 ¹⁵	8 ⁰⁰	DRILL
	TOUR 2			
07		8 ⁰⁰	8 ³⁰	RIG SERVICE + SURVEY
		8 ³⁰	10 ⁰⁰	DRILL
		10 ⁰⁰	10 ³⁰	CURE WORK PIPE
		10 ³⁰	11 ⁰⁰	SURVEY
35		11 ⁰⁰	12 ¹⁵	DRILL
		12 ¹⁵	12 ³⁰	WORK HOLE
22		12 ³⁰	12 ⁴⁵	SURVEY
93	TOUR 3	12 ⁴⁵	2 ⁰⁰	DRILL
		2 ⁰⁰	3 ³⁰	WORK HOLE + SURVEY
		3 ³⁰	3 ⁴⁵	DRILL
		3 ⁴⁵	4 ⁰⁰	WORK HOLE FOR SURVEY
		4 ⁰⁰	4 ¹⁵	RIG SERVICE
		4 ¹⁵	4 ³⁰	SURVEY
		4 ³⁰	6 ⁰⁰	DRILL
		6 ⁰⁰	6 ¹⁵	WORK HOLE FOR SURVEY
		6 ¹⁵	6 ³⁰	SURVEY
		6 ³⁰	8 ⁰⁰	DRILL

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

100	8 ⁰⁰	8 ¹⁵	WORK HOLE FOR SURVEY
5	8 ¹⁵	8 ³⁰	SURVEY
15	8 ³⁰	9 ⁴⁵	DRILL
3-10	9 ⁴⁵	10 ⁰⁰	WORK HOLE FOR SURVEY
90	10 ⁰⁰	10 ¹⁵	SURVEY
500	10 ¹⁵	11 ⁴⁵	DRILL 12 1/2 HOLE
55	11 ⁴⁵	12 ⁰⁰	WORK HOLE SURVEY

Run in 17 1/2" pipe to 314'. Tripper 17 1/2" bit.
~~Run in~~ Landed down bit and 17 1/2" stabilizer. 1 1/2" rod up
 12 1/2" bit and 2 - 12 1/2" rubber stabilizer placed at 30' &
 60'. Started drilling 12 1/2" pilot hole at 314'.

Reading	
1 1/2	525 - 1 1/4
1 1/4	559 - 1 1/2
1 1/4	589 - 1 1/2
1 1/4	600 - 1 1/4
1 1/8	651 - 1 1/2
1 1/4	
1 1/4	

Temp at 8:00 AM 14°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

CONTRACTOR **G.P. CHEVRON** 508C Wm. E. RINE CREEK RIG NO. **15**
 LSD SEC TWP Rge W **470-78**

66° 57'

FIELD WELL NAME
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING

FOR 24 HOURS ENDING 12 MIDNIGHT

Dec 26 1971

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.	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.	3	1054	3	1054	3	1054	3	1054	3	1054	3	1054
OTHER	O.D.		FT.		FT.		FT.		FT.		FT.		FT.
DRILL COLLARS	10" O.D.	2	6040	2	6040	2	6040	2	6040	2	6040	2	6040
DRILL COLLARS	7" O.D.	NO. 5	15394	NO. 7	21533	NO.	21533	NO.	21533	NO.	21533	NO.	21533
REAMER	O.D.		FT.		FT.		FT.		FT.		FT.		FT.
STABILIZER	17" O.D.		845		845		845		845		1407		1407
JARS			FT.		FT.		FT.		FT.		FT.		FT.
BUMPER SUB			FT.		FT.		FT.		FT.		1300		1300
BIT OR CORE BARREL			135		135		135		135		135		135
TOTAL D.P. & TOOLS			23468										
KELLY DOWN (BELOW R.B.)			21532		1800		1300		1300		1300		1300
DEPTH OF TOOLS			25000		31407		32469		32469		32469		32469

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR	230 FEET	314 FEET	314 FEET
DEPTH START OF TOUR	138 FEET	250 FEET	319 FEET
FOOTAGE DRILLED	112 FEET	64 FEET	

DAY WORK	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 P.M.
PUMP												
ROTARY SPEED R.P.M.	85	90	85	85								
WEIGHT ON BIT M lbs.	10	12	12	28								
MUD WEIGHT lb/gal	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
VISCOSITY sec/qt	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10
AIR PRESS PSI	160	160	160	160	160	160	160	160	160	160	160	160
AIR VOLUME CFM	320	320	320	320	320	320	320	320	320	320	320	320

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET	BIT CONDITION
1A	17 1/2	25060	H.W. OSCBJ	3-15	12	0	314		2-1-5
2A	17 1/4	26978	H.W. OSCBJ	OPEN	0	314			

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT			
					Time	AM	PM	AK
					Mud Wt			10 Min. Gel
					Vis			W.F.C.
					A.V			pH
					P.V			Sand
					S.P			CA, ppm
								Cl, ppm

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER	A. St. Jean		W. E. Kowalski	Kind	Depth	Reading
DERRICKMAN				Torco	140	7/8
HELPER				Torco	170	1/2
HELPER				Torco	230	1'
HELPER				Torco	275	1 1/8"
FIREMAN				Torco	306	1 1/4"
TOOL PUSHER						

Stamp

66° 57' 53" N E 137° 59' 59" W

OTHER HOURLY OPERATING DETAIL
WORK DONE

MUD and CHEMICALS ADDED		From	To	OTHER HOURLY OPERATING DETAIL WORK DONE
Kind	Amount			
TOUR 1		12 ⁰⁰	1 ⁰⁰	Drill
		1 ⁰⁰	1 ¹⁵	Survey & Set R.G.
		1 ¹⁵	2 ⁰⁰	MAKE UP TURN BUCKLES & CENTRE ROTATING HEAD TO KEEP DRIVE IN PLACE
		2 ⁰⁰	4 ⁰⁰	Drill
		4 ⁰⁰	4 ¹⁵	Survey
		4 ¹⁵	7 ¹⁵	Drill
		7 ¹⁵	8 ⁰⁰	Survey
		8 ⁰⁰	8 ¹⁵	Drill
TOUR 2		8 ⁰⁰	9 ³⁰	Drill
		9 ³⁰	10 ⁰⁰	Unplug IR in D.C
		10 ⁰⁰	10 ³⁰	Survey & Rise Services
		10 ³⁰	11 ⁰⁰	Drill
		11 ⁰⁰	11 ³⁰	Mouse Hole euhara & Tighten Kicks
		11 ³⁰	12 ³⁰	Drill
		12 ³⁰	1 ⁰⁰	Survey
		1 ⁰⁰	1 ³⁰	Drill
TOUR 3		1 ³⁰	2 ⁴⁵	Hold BIT #1A @ 314
		2 ⁴⁵	4 ⁰⁰	BREAK DOWN STABILIZERS & WAIT ON BIT
		4 ⁰⁰	4 ¹⁵	BREAK DOWN STABILIZERS & WAIT ON BIT
		4 ¹⁵	9 ¹⁵	WAIT ON BIT
		9 ¹⁵	10 ¹⁵	Put ON 2-12 1/2 STAB & 12 1/2 BIT
		10 ¹⁵	10 ⁴⁵	TRIP IN HOLE
		10 ⁴⁵	12 ⁰⁰	MAKING UP ROT. HEAD &

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

17.07

71.13

15

CONDITION

-5

REPORT

Get
Min. Gel

L.F.C.

A. ppm
L. ppm

CORD

Reaching

7/8
1/2
1'
1 1/8"
1 1/4"

Temp @ 8.00 AM 6°

[Signature]
SIGNATURE COMPANY ENGINEER

TOUR REPORT

FIELD _____ WELL NAME _____ CONTRACTOR **G.P. CHEVRON SOBC WM E. PINE CREEK** RIG NO **15** **YT 0-78**
 LSD SEC TWP Rge W
 DRILLING DEEPENING COMPLETING
 REDRILLING ABANDONING REWORKING FOR 24 HOURS ENDING 12 MIDNIGHT **DEC. 25 1971**

66° 57'
 ML 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.	3	1054	3	1054	3	1054	3	1054	3	1054
OTHER	O.D.		FT.										
DRILL COLLARS	10" O.D.		FT.	2	6040	2	6040	2	6040	2	6040	2	6040
DRILL COLLARS	7" O.D.	NO.	FT.							1	3068		
REAMER	O.D.	KIND	FT.										
STABILIZER	17 1/2 O.D.	KIND	FT.			845	845			845	845		
JARS		KIND	FT.										
BUMPER SUB.		KIND	FT.										
BIT OR CORE BARREL			FT.		133		133				135		135
TOTAL D.P. & TOOLS			FT.		8079		8079				11142		11142
KELLY DOWN (BELOW R.B.)			FT.		3021		3021				2658		2658
DEPTH OF TOOLS			FT.		11100		11100				13800		13800

TOUR	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR
DEPTH END OF TOUR		111 FEET	138 FEET
DEPTH START OF TOUR		0 FEET	111 FEET
FOOTAGE DRILLED		111 FEET	27 FEET

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 P.M.
PUMP												
ROTARY SPEED							80					90
WEIGHT ON BIT							10					10
FOAM SOLS		159 gal	159 gal				16	16				159 gal
SULFOFON		3-10 gal/1000	3-10 gal/1000				3	3				3-10 gal/1000
AIR PRESS.		160 PSI	160 PSI				150	150				160 PSI
AIR VOLUME		320 CFM	320 CFM				300	300				320 CFM
MUD LEVEL FLUM							65	65				
W/TANKO TEMP												

NO.	SIZE	SERIAL	BIT KIND AND TYPE	JET SIZES IN 1/32	TOTAL HOURS	FROM	TO	FEET HR.	BIT CONDITION
1A	17 1/2	AJ060	HTC OSC165	3x15		0	138		DRILLING

CORE No.	No.	DST No.	FROM	TO	MUD ENGINEER'S REPORT			
			PREFLOW	mns. I.H.P.	p.s.i. I.F.P.	p.s.i. Time	AM	Aik
			ISI	mns. F.H.P.	p.s.i. F.F.P.	p.s.i. Mud Wt	PM	Int. Gel
			V.O.	mns. ISIP	p.s.i. G.T.S.	mns. Visc		10 Min. Gel
			FSI	mns. FSIP	p.s.i. F.T.S.	mns. AV		W.L.F.C.
			RECOVERY			mns. PV		p.H.
								Soud
								CA. ppm
								CL ppm

SIGNATURES	MORNING TOUR	DAYLIGHT TOUR	AFTERNOON TOUR	DEVIATION RECORD		
DRILLER				Kind	Depth	Reading
DERRICKMAN				TOTCO	73'	1°
HELPER				TOTCO	112'	7/8°
HELPER						
HELPER						
FIREMAN						
TOOL PUSHER						

LEAVED CS
 CHECKED
 CHEVRON S
 LOCATION
 ELEVATION
 SPUNDED
 LICENCE
 CONTRACT
 NATIONAL
 950 H.P., 10
 DE DRAW WKS
 HYDRAIL ACCO
 2-D-330 C
 4 1/2" GRADE
 Aug 8