

OFF BROTHERS LTD.

EDMONTON

WELL NO. 1
 SEC. 1
 TWP. 124E-25W
 RANGE 124E-25W
 COMPANY: *Paul American*

DAY FROM SPUD DATE

60°-20N

124E-25W

PROVINCE: *Yukon Terr.*

RIG NO. 42-H
 DATE: *Jan 29. 69*
 TOOL JOBS: *Harold Stenka*

BIT RECORD	NO	TIME		DRILLED	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	
		FROM	TO	FROM	TO	TIME	AMOUNT	DRILLER	HRS
MORNING TOUR		18.00	4.15		Underway & Running 15 ft. Successive Casing	WT		DRILLER <i>Quiff Boyley</i>	16
		4.15	5.15		Casing & Under Casing	VISC		DERRICK <i>Paul Grayson</i>	16
		5.15	6.15		Mud Cement & Displacement	W L CC		MOTOR MAN <i>Garrod Rogers</i>	16
		6.15	8.00		W.P.C. Fine Sand @ 6.15 ft. H	FLTR CK		HELPER <i>Paul Sirey</i>	16
					Runned @ 1050' Hoops OK.	MUD & CHEM. ADDED		HELPER <i>Jim Zojac</i>	16
					36. hours @ 516 ft. B.	DEPTH DEGREES		HELPER	
						DEPTH DEGREES		HELPER	

BIT RECORD	NO	TIME		DRILLED	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	
		FROM	TO	FROM	TO	TIME	AMOUNT	DRILLER	HRS
DAY TOUR		8.00	4.00		W.P.C.	WT		DRILLER <i>Baker Harold</i>	12
						VISC		DERRICK <i>Baker Dixon</i>	12
						W L CC		W.P.C. <i>Harold Rogers</i>	12
						FLTR CK		HELPER <i>John Hershok</i>	12
						MUD & CHEM. ADDED		HELPER <i>Glenn Curley</i>	12
						DEPTH DEGREES		HELPER	
						DEPTH DEGREES		HELPER	

BIT RECORD	NO	TIME		DRILLED	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	
		FROM	TO	FROM	TO	TIME	AMOUNT	DRILLER	HRS
EVENING TOUR		4.00	12.00		W.P.C.	WT		DRILLER <i>Jerry Jacobsen</i>	
					CUT CFF Casing & Under Casing	VISC		DERRICK <i>Harold Rogers</i>	
					C.N. BOWL	W L CC		MOTOR MAN <i>John M. Rogers</i>	
						FLTR CK		HELPER <i>Garrod Rogers</i>	
						MUD & CHEM. ADDED		HELPER <i>Paul Sirey</i>	
						DEPTH DEGREES		HELPER <i>John Hershok</i>	
						DEPTH DEGREES		HELPER <i>Glenn Curley</i>	

SLUSH PUMP RECORD									
MORNING TOUR					DAY TOUR				
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES
ROT R.P.M.		ROT R.P.M.		ROT R.P.M.	ROT R.P.M.		ROT R.P.M.		ROT R.P.M.
POINTS WT		POINTS WT		POINTS WT	POINTS WT		POINTS WT		POINTS WT
LINER SIZE		LINER SIZE		LINER SIZE	LINER SIZE		LINER SIZE		LINER SIZE

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 2 DAY FROM SPUD DATE

 LTD. *THE AM SWEET* *MINOR* *0.1*
 LSD *60° - 80N* SEC *184-85 W.* RANGE

 COMPANY *AMERICAN*
 W. MER PROVINCE *ALBERTA*

 TOOL POSTER *ALBERTA*
 VARIOUS TEMPL.

 RIG NO. *42-4*
 TOOL POSTER *ALBERTA*

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED				FORMATION AND EXPLANATION				MUD RECORD				DRILLER			
NO	PIPE SIZE	FEET	RUN NO	SIZE				FROM	TO			FROM	TO					TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	DRILLER
2	STAND D P	182.00						12.30	1.30																		DERRICK
	SNGLS D P																										MOTOR
	LNTH CLRS	200.92						1.30	4.00																		HELPER
	KELLY IN	11.00						4.00	4.30																		HELPER
	OTHER	11.73																									HELPER
	TOTAL	443.66																									HELPER
	DRILL COLLARS																										HELPER
1	PIPE	11.00						6.30	7.30																		HELPER
2	PIPE	22.51						7.30	9.00																		HELPER
	STAND D P	41.78																									DRILLER
	SNGLS D P	20.92						8.15	11.00																		DERRICK
	LNTH CLRS	40.87						11.00	11.30																		DERRICK
	KELLY IN	11.73																									HELPER
	OTHER	11.73																									HELPER
	TOTAL	504.00																									HELPER
	DRILL COLLARS																										HELPER
1	PIPE	11.00						11.30	12.00																		DRILLER
2	PIPE	22.51						12.00	12.45																		DERRICK
	STAND D P	41.78																									DRILLER
	SNGLS D P	20.92																									DERRICK
	LNTH CLRS	40.87																									DERRICK
	KELLY IN	11.73																									HELPER
	OTHER	11.73																									HELPER
	TOTAL	504.00																									HELPER
	DRILL COLLARS																										HELPER
3	PIPE	6.00						9.25	9.51																		HELPER
	STAND D P																										HELPER
	SNGLS D P																										HELPER
	LNTH CLRS																										HELPER
	KELLY IN																										HELPER
	OTHER																										HELPER
	TOTAL																										HELPER
	DRILL COLLARS																										HELPER
3	PIPE	6.00						9.25	9.51																		HELPER
	STAND D P																										HELPER
	SNGLS D P																										HELPER
	LNTH CLRS																										HELPER
	KELLY IN																										HELPER
	OTHER																										HELPER
	TOTAL																										HELPER
	DRILL COLLARS																										HELPER

REMARKS (REPAIRS ACCIDENTS AND ETC.)

100% BIG TANK - FULL

SMALL TANK 2' 10"

CASE 2' 6"

MORNING TO P				DAY TOUR			
PUMP PRES	600	PS	PUMP PRES	400	PS	PUMP PRES	400
ROT RPM	40		ROT RPM	40		ROT RPM	40
POINTS WT	10		POINTS WT	10		POINTS WT	10
LINER SIZE	48X110		LINER SIZE	48X110		LINER SIZE	48X110

HOF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL NO. 60° - 200' SEC 124-25 W. TWP 124-25 W. RANGE 124-25 W.

COMPANY AMERICAN PROV. TARIFF

RIG NO. 42-4 DATE JAN 28-69

BIT RECORD	TIME	DRILLED	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL
3	12.30		FINISH IN W/5.7	700	
17 1/2	1.30		DRUG 12 1/2 HOLE	90	DRILLER GUYE Bayley
REED	4.00	384	DRUG 12 1/2 HOLE	44	DERRICK PAUL Grayson
151.5	4.30		DRUG 12 1/2 HOLE		MOTOR DONALD Rogers
129.43	4.30		DRUG 12 1/2 HOLE		HELPER BEN SUTLEY
22 1/4	6.30	385	DRUG 12 1/2 HOLE	4000 lbs	HELPER TIM Zygac
360	7.30	413	DRUG 12 1/2 HOLE	6 lbs	HELPER
2.16 - 1-18	9.00		TRIP OUT TO UNPLUG BIT		HELPER

BIT RECORD	TIME	DRILLED	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL
3	8.00		R.O. SEC.	300	DRILLER BEER Hedon
17 1/2	8.15		TRIP UNPLUG BIT & REMOVE SET	41	DERRICK MARY Dixon
REED	11.00		CIRC. & SURVEY @ 413 - 36"		DRUG CREW L.H. HENDERSON
151.5	11.30		DRUG		HELPER JULIAN HENDERSON
129.43	11.30		DRUG		HELPER ALLEN GURLEY
454	12.00	413	CIRC TO CLEAN HOLE & SURVEY @ 413		HELPER
314	12.45	413	DRUG 12 1/2 HOLE		HELPER
454	4.00		CIRC.		HELPER

BIT RECORD	TIME	DRILLED	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL
3	4.00		R.O. SEC.	300	DRILLER BEER Hedon
17 1/2	4.15		TRIP UNPLUG BIT & REMOVE SET	41	DERRICK MARY Dixon
REED	11.00		CIRC. & SURVEY @ 413 - 36"		DRUG CREW L.H. HENDERSON
151.5	11.30		DRUG		HELPER JULIAN HENDERSON
129.43	11.30		DRUG		HELPER ALLEN GURLEY
454	12.00	413	CIRC TO CLEAN HOLE & SURVEY @ 413		HELPER
314	12.45	413	DRUG 12 1/2 HOLE		HELPER
454	4.00		CIRC.		HELPER

BIT RECORD	TIME	DRILLED	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL
3	4.00		R.O. SEC.	300	DRILLER BEER Hedon
17 1/2	4.15		TRIP UNPLUG BIT & REMOVE SET	41	DERRICK MARY Dixon
REED	11.00		CIRC. & SURVEY @ 413 - 36"		DRUG CREW L.H. HENDERSON
151.5	11.30		DRUG		HELPER JULIAN HENDERSON
129.43	11.30		DRUG		HELPER ALLEN GURLEY
454	12.00	413	CIRC TO CLEAN HOLE & SURVEY @ 413		HELPER
314	12.45	413	DRUG 12 1/2 HOLE		HELPER
454	4.00		CIRC.		HELPER

BIT RECORD	TIME	DRILLED	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL
3	4.00		R.O. SEC.	300	DRILLER BEER Hedon
17 1/2	4.15		TRIP UNPLUG BIT & REMOVE SET	41	DERRICK MARY Dixon
REED	11.00		CIRC. & SURVEY @ 413 - 36"		DRUG CREW L.H. HENDERSON
151.5	11.30		DRUG		HELPER JULIAN HENDERSON
129.43	11.30		DRUG		HELPER ALLEN GURLEY
454	12.00	413	CIRC TO CLEAN HOLE & SURVEY @ 413		HELPER
314	12.45	413	DRUG 12 1/2 HOLE		HELPER
454	4.00		CIRC.		HELPER

SLUSH PUMP RECORD			
MORNING TO 9	DAY TOUR	EVENING TOUR	
PUMP PRES 600 PSI	PUMP PRES 400 PSI	PUMP PRES 400 PSI	
ROT RPM 80	ROT RPM 80	ROT RPM 80	
POINTS WT 10	POINTS WT 10	POINTS WT 10	
LINER SIZE 4 1/2 IN	LINER SIZE 4 1/2 IN	LINER SIZE 4 1/2 IN	

CALGARY
BRINKERHOFF BROTHERS LTD.
 EDMONTON
 THIS IS THE 1 DAY FROM SPUD DATE
 WELL 100-200 LSC 100-200 SEC 100-200 TWP 100-200 RANGE 100-200 COMPANY 100-200 W/ 100-200 MER 100-200 PROVINCE 100-200 RIG NO 100-200
 TOOL JOBS 100-200

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRUG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
STAND D P			17 1/2	18 00	18 15			100-200		8.8		DRILLER	
SNGLS D P			18 00	18 15	3 45			100-200		4.5		DERRICK	
LNTH CLRS			17 13	3 45	4 00			100-200				MOTOR MAN	
KELLY IN			41 40	4 00	5 15			100-200				HELPER	
OTHER			11 23	5 15	5 30			100-200				HELPER	
TOTAL			11 23	5 30	8 00			100-200				HELPER	
DRILL COLLARS			11 23	8 00	8 00			100-200				HELPER	
DIAMETER			11 23					100-200				HELPER	
LGTH			11 23					100-200				HELPER	
FOOTAGE			11 23					100-200				HELPER	
REAMER CUTTER NO			11 23					100-200				HELPER	
TYPE			11 23					100-200				HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRUG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
STAND D P			17 1/2	8 00	8 15			100-200		4.0		DRILLER	
SNGLS D P			18 00	8 15	8 30			100-200		4.0		DERRICK	
LNTH CLRS			17 13	8 30	10 30			100-200				MOTOR MAN	
KELLY IN			19 25	10 30	10 45			100-200				HELPER	
OTHER			11 23	10 45	12 30			100-200				HELPER	
TOTAL			11 23	12 30	13 45			100-200				HELPER	
DRILL COLLARS			11 23	13 45	14 00			100-200				HELPER	
DIAMETER			11 23					100-200				HELPER	
LGTH			11 23					100-200				HELPER	
FOOTAGE			11 23					100-200				HELPER	
REAMER CUTTER NO			11 23					100-200				HELPER	
TYPE			11 23					100-200				HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRUG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
STAND D P			17 1/2	14 00	14 15			100-200				DRILLER	
SNGLS D P			18 00	14 15	14 45			100-200				DERRICK	
LNTH CLRS			17 13	14 45	15 00			100-200				MOTOR MAN	
KELLY IN			19 25	15 00	15 15			100-200				HELPER	
OTHER			11 23	15 15	15 30			100-200				HELPER	
TOTAL			11 23	15 30	15 45			100-200				HELPER	
DRILL COLLARS			11 23	15 45	16 00			100-200				HELPER	
DIAMETER			11 23					100-200				HELPER	
LGTH			11 23					100-200				HELPER	
FOOTAGE			11 23					100-200				HELPER	
REAMER CUTTER NO			11 23					100-200				HELPER	
TYPE			11 23					100-200				HELPER	

REMARKS (REPAIRS ACCIDENTS AND ETC.)
 MAIN TANK 5'6" 11
 SMALL TANK 1'9" 11
 CAMP TANK 2'6" 11
 SLUSH PUMP RECC
 MORNING TOUR
 PUMP PRES 440 PSI
 ROT R P M 80
 POINTS WT 8.10
 L INER SIZE 4X8X10
 DAY T.O.S.

HOFF BROTHERS LTD.

EDMONTON

1 DAY FROM SPUD DATE

WELL
LSD
SEC
TWP
RNGE
W/
MER
PROVINCE

RIG NO
DATE
TOOL JOBS
DRILLER

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL	HRS
N NO	18.00	18.15	Ag. Sec	WT	DRILLER	
E	17.14	3.45	DATA 17 1/2 HOLE	VISC	DERRICK	
G	18.00	4.40	Survey - @ 75' - 1'	W L CC	MOTOR MAN	
E	17.14	5.15	DATA 17 1/2 HOLE	FLTR CK	HELPER	
N NO	5.80	5.30	Survey @ 105' - 1/2 0	P H	HELPER	
E	9.14	8.00	DATA 17 1/2 HOLE	MUD & CHEM. ADDED	HELPER	
G	1.28	1.13		TYPE	HELPER	
E		1.12		AMOUNT	HELPER	
N NO						
E						
G						
E						
N NO						
E						
G						
E						

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL	HRS
N NO	8.00	8.15	Rig Sec.	WT	DRILLER	
E	17.12	8.30	Survey @ 170' W	VISC	DERRICK	
G	18.00	10.30	DRG	W L CC	MOTOR MAN	
E	17.14	10.45	Survey @ 200 Yds	FLTR CK	HELPER	
N NO	10.30	10.45	DRG	P H	HELPER	
E	10.30	10.45	Survey @ 251 Yds	MUD & CHEM. ADDED	HELPER	
G	12.30	12.40	DRG	TYPE	HELPER	
E	12.45	12.50	Survey @ 260 Yds	AMOUNT	HELPER	
N NO	12.45	12.50	DRG			
E	12.45	12.50	Survey @ 260 Yds			
G	12.45	12.50	DRG			
E	12.45	12.50	Survey @ 260 Yds			
N NO	12.45	12.50	DRG			
E	12.45	12.50	Survey @ 260 Yds			
G	12.45	12.50	DRG			
E	12.45	12.50	Survey @ 260 Yds			

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	DRUG CREW PAYROLL	HRS
N NO	4.00	4.15	Rig Sec	WT	DRILLER	
E	17.14	7.45	DATA	VISC	DERRICK	
G	18.00	8.00	Survey @ 324	W L CC	MOTOR MAN	
E	17.14	9.00	Survey @ 324	FLTR CK	HELPER	
N NO	8.00	9.00	Survey @ 324	P H	HELPER	
E	8.00	9.00	Survey @ 324	MUD & CHEM. ADDED	HELPER	
G	8.00	9.00	Survey @ 324	TYPE	HELPER	
E	8.00	9.00	Survey @ 324	AMOUNT	HELPER	
N NO	8.00	9.00	Survey @ 324			
E	8.00	9.00	Survey @ 324			
G	8.00	9.00	Survey @ 324			
E	8.00	9.00	Survey @ 324			
N NO	8.00	9.00	Survey @ 324			
E	8.00	9.00	Survey @ 324			
G	8.00	9.00	Survey @ 324			
E	8.00	9.00	Survey @ 324			

2-16 + H18 NO 2024

56.11

324

78

SLUSH PUMP RECORD

DAY TO B

PSI

56.11

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CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

WEST

LSD

TWP

RNGE

COMPANY

W

MER

PROVINCE

RIG NO

THIS IS THE

DAY FROM SPUD DATE

60° 20' N

104° 25' W

Yukon Terr.

TOOL PUSHER

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME		DRILLER	
STAND D P			MFG					110.0 - Conductor Csg.		WT		DRILLER	
SNGLS D P										VISC		DERRICK MAN	
LNTH CLRS			TYPE							W L CC		MOTOR MAN	
KELLY IN			SER NO							FLTR CK		HELPER	
OTHER			DEPTH OUT							P H		HELPER	
TOTAL			HOURS RUN							MUD & CHEM ADDED		HELPER	
DRILL COLLARS			FOOTAGE							TYPE	AMOUNT	HELPER	
NO DIAMETER	LGTH		REAMER CUTTER NO									HELPER	
			TYPE									HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME		DRILLER	
STAND D P			MFG					DRILL OUT MOUSE HOLE		WT		DRILLER	
SNGLS D P								W/ POWER SWIVEL		VISC		DERRICK MAN	
LNTH CLRS			TYPE					RAY DOWN POWER SWIVEL		W L CC		DRILLER	
KELLY IN			SER NO					& TOOLS. PICK UP KELLY		FLTR CK		DRILLER	
OTHER			DEPTH OUT							P H		DRILLER	
TOTAL			HOURS RUN							MUD & CHEM ADDED		DRILLER	
DRILL COLLARS			FOOTAGE							TYPE	AMOUNT	DRILLER	
NO DIAMETER	LGTH		REAMER CUTTER NO									DRILLER	
			TYPE									DRILLER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME		DRILLER	
STAND D P			MFG					RAY DOWN 6" DE + PICK UP		WT		DRILLER	
SNGLS D P								11" DE + POWER SWIVEL		VISC		DERRICK MAN	
LNTH CLRS			TYPE					DATE CEMENT W/ POWER SWIVEL		W L CC		MOTOR MAN	
KELLY IN			SER NO					RAY DOWN POWER SWIVEL		FLTR CK		DRILLER	
OTHER			DEPTH OUT					PICK UP KELLY		P H		DRILLER	
TOTAL			HOURS RUN					RAY DOWN POWER SWIVEL		MUD & CHEM ADDED		DRILLER	
DRILL COLLARS			FOOTAGE					PICK UP KELLY		TYPE	AMOUNT	DRILLER	
NO DIAMETER	LGTH		REAMER CUTTER NO					RAY DOWN POWER SWIVEL				DRILLER	
			TYPE					PICK UP KELLY				DRILLER	

REMARKS (REPAIRS ACCIDENTS AND ETC.)

4-2-2000 11:30 AM

MORNING TOUR		DAY TOUR	
PUMP PRES	55	PUMP PRES	
ROT R P M		ROT R P M	
POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE	

HOFF BROTHERS LTD.

EDMONTON
DAY FROM SPUD DATE

WELL NO. 418-4
LSD SEC TWP RANGE W. MER
60°-20' N 184-25' W.
COMPANY
Merrill A. J. Hoff Brothers Ltd.
PROVINCE
Yukon Terr.

RIG NO. 418-4
DATE
JAN 26 - 69
TOOL PUSHER
Harold Harris

BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME		DRILLER	HRS
		8:00				400' - Conductor Casp.		WT		Chief Boyley	
								VISC		DERRICK MAN Paul Grayson	
								W L CC		MOTOR MAN Gerard Rogers	
								FLTR CK		HELPER Ben Surney	
								P H		HELPER Jim Zojac	
								MUD & CHEM ADDED		HELPER	
								TYPE	AMOUNT		
								DEVIATION DEGREES			

BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME		DRILLER	HRS
		8:00				DRILL OUT MOUSE HOLE		WT		Bert Hedin	8
		2:00				W/ POWER SWIVEL		VISC		DERRICK MAN	8
						RAY DOWN POWER SWIVEL		W L CC		MANUEL KILGUS	8
						& TOOLS. PICK UP KEY		FLTR CK		HELPER JAMES HIRSHUK	8
								P H		HELPER	
								MUD & CHEM ADDED		HELPER Glenn Currey	8
								TYPE	AMOUNT		
								DEVIATION DEGREES			

BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME		DRILLER	HRS
		1:00				RAY DOWN 6" DE + PICK UP		WT		Jerry Jacobsen	
						11" DE + POWER SWIVEL		VISC		DERRICK MAN	
						DATE CEDIENT W/ POWER SWIVEL		W L CC		JOHN LOCKEN	
						RAY DOWN POWER SWIVEL		FLTR CK		MOTOR MAN	
						PICK UP KEY		P H		HELPER	
						DRILL 1175 B.		MUD & CHEM ADDED		HELPER GRANT WARD	
								TYPE	AMOUNT	HELPER CHARLES MARTIN	
								DEVIATION DEGREES		HELPER	
										HELPER	
										HELPER	

4-22-69 J.S. (T.M.C.)

SLUSH PUMP RECORD			
MORNING TOUR		DAY TOUR	
PUMP PRES	PSI	PUMP PRES	PSI
ROT R.P.M		ROT R.P.M	
POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE	

50
3
4.5/100

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL NO. 1444m 3 SHELL MERILL 41

COMPANY

PAN AM

RIG NO.

4211

THIS IS THE 11 Y FROM SPUD DATE

LSD

60° 20'

TWP

120° 25' W

W

MER

PROVINCE

ALBERTA

TOOL

PUSHER

RIG

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILLER	
NO	SIZE	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
	STAND D P		21 1/2"	1200				DRILL CONDUCTOR HOLE AT				DRILLER	JOHN
	SNGLS D P		MFG		800			POWER SWIVEL				DERICK	PAN
	LNTH CLRS		TYPE									MOTORMAN	JOHN
	KELLY IN		SER NO									HELPER	JOHN
	OTHER		DEPTH OUT									HELPER	JOHN
	TOTAL		HOURS RUN									HELPER	JOHN
	DRILL COLLARS		FOOTAGE									HELPER	JOHN
	DIAMETER		REAMER CUTTER NO									HELPER	JOHN
	LGTH		TYPE									HELPER	JOHN

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILLER	
NO	PIPE SIZE	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
	STAND D P			800	1100			FINISH DRILL CONDUCTOR HOLE				DRILLER	JOHN
	SNGLS D P		MFG					KEY DOWN 11" CONDUCTOR, POWER SWIVEL				DERICK	PAN
	LNTH CLRS		TYPE					REMOVE KEYWAY TABLE, PICK UP				MOTORMAN	JOHN
	KELLY IN		SER NO					CONDUCTOR & TRY TO WORK INTO				HELPER	JOHN
	OTHER		DEPTH OUT									HELPER	JOHN
	TOTAL		HOURS RUN									HELPER	JOHN
	DRILL COLLARS		FOOTAGE									HELPER	JOHN
	DIAMETER		REAMER CUTTER NO									HELPER	JOHN
	LGTH		TYPE									HELPER	JOHN

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILLER	
NO	PIPE SIZE	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
	STAND D P			400				WORK CONDUCTOR Csg				DRILLER	JOHN
	SNGLS D P		MFG		715			TO 15" TWIN & RIE TO CEMENT				DERICK	PAN
	LNTH CLRS		TYPE		745			CEMENT Csg. w/ 90% S.C. CEMENT				MOTORMAN	JOHN
	KELLY IN		SER NO		1200			W.O.C. 370 Q/L				HELPER	JOHN
	OTHER		DEPTH OUT									HELPER	JOHN
	TOTAL		HOURS RUN									HELPER	JOHN
	DRILL COLLARS		FOOTAGE									HELPER	JOHN
	DIAMETER		REAMER CUTTER NO									HELPER	JOHN
	LGTH		TYPE									HELPER	JOHN

REMARKS (REPAIRS ACCIDENTS AND ETC.)

Main TANK - 6'4"

SEND JIM ZASAC CHEMIES TO BOX 988 VALLEY

VIEW

Small " - 1'4"

A174

Camp TANK - 2'1"

A174

POINTS WT

LINER SIZE

POINTS WT

LINER SIZE

SLUSH PUMP RECORD

MORNING TOUR

PUMP PRES

PUMP PRES

DAY TOUR

ROT R.P.M.

ROT R.P.M.

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

OFF BROTHERS LTD.

EDMONTON

WELL NO. 1
LSD 60°-20N

COMPANY
PAN AM

PROVINCE
ALBERTA

RIG NO. 4221

DATE JAN 25/69

TOOL PUSHER
Randy Harts

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
NO	1200		DAG CONDUCTOR HOSE W/	TIME	DRILLER	12
NO	800		PULLER SWIVEL	WT	DERRICK	12
NO				VISC	MOTORMAN	12
NO				W L CC	JOHN MOORHOUSE	12
NO				FLTR CK	HELPER	12
NO				P H	CHARLES MARTIN	12
NO				MUD & CHEM. ADDED	HELPER	
NO				TYPE	HELPER	
NO				AMOUNT	HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
NO	800	1100	FINISH DRILL CONDUCTOR HOSE	TIME	DRILLER	8
NO	1100		KEY DOWN 11" CONDUCTOR, PULLER SWIVEL	WT	DERRICK	8
NO			REMOVE KEYWAY TABLE, PICK UP	W L CC	MOTOR MAN	8
NO			CONDUCTOR & TRY TO WORK INTO	FLTR CK	HELPER	8
NO				P H	HELPER	
NO				MUD & CHEM. ADDED	HELPER	
NO				TYPE	HELPER	
NO				AMOUNT	HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
NO	400		WORK CONDUCTOR Csg	TIME	DRILLER	12
NO	715		TO 15" TO 16" TO CEMENT	WT	DERRICK	12
NO	745		CEMENT Csg. W/POST. CEMENT	VISC	REPAIRMAN	12
NO	1200		W.C. 320 C/L	FLTR CK	HELPER	12
NO				P H	HELPER	
NO				MUD & CHEM. ADDED	HELPER	
NO				TYPE	HELPER	
NO				AMOUNT	HELPER	

SLUSH PUMP RECORD			
MORNING TOUR	DAY TOUR	PSI	PUMP PRCS
PUMP PRES	PSI	PSI	PSI
ROT R.P.M	ROT R.P.M	ROT R.P.M	ROT R.P.M
POINTS WT	POINTS WT	POINTS WT	POINTS WT
LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE

SEND TIM ZASIC CHEQUES TO BOX 988 VALLEY VIEW ALTA.

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL

PHN A111 SHELLEY

SEC

124-254

COMPANY

W/

PROJ

POURON TIRE

RIG NO

TOOL PUSHER

DATE

WELL

PHN A111 SHELLEY

SEC

124-254

COMPANY

W/

PROJ

POURON TIRE

RIG NO

TOOL PUSHER

DATE

BIT RECORD

TIME

FROM

TO

FORMATION AND EXPLANATION

MUD RECORD

TIME

DRLG CREW PAYROLL

HRS

NO

1200

800

DRUG MANGE 1100

WT

DRILLER

JERRY JACOBSEN

19

NO

114 DOWN 6' 10"

VISC

DERRICK MAN

ALAN BOWEN

12

NO

114 DOWN 6' 10"

W L CC

MOTOR MAN

JOHN MORRISON

12

NO

114 DOWN 6' 10"

FLTR CK

HELPER

JOHN MORRISON

12

NO

114 DOWN 6' 10"

P H

HELPER

JOHN MORRISON

12

NO

114 DOWN 6' 10"

MUD & CHEM ADDED

HELPER

JOHN MORRISON

12

NO

114 DOWN 6' 10"

TYPE

HELPER

JOHN MORRISON

12

NO

114 DOWN 6' 10"

AMOUNT

HELPER

JOHN MORRISON

12

NO

114 DOWN 6' 10"

AMOUNT

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NO

114 DOWN 6' 10"

AMOUNT

HELPER

JOHN MORRISON

12

CALGARY
BRINKERHOFF BROTHERS LTD.
 EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL
 LSD
 SEC
 TWP.
 RNGE.
 COMPANY
 W/
 MER
 PROVINCE
 RIG NO.
 TOOL PUSHED

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRG	
PIPE SIZE	FEET	RUN NO.	SIZE	FROM	TO	FROM	TO			TIME	WT.	DRG	
STAND D.P.			MFG.							UT.		DRILLER	
SNGLS D.P.			TYPE							VISC.		DERRICK MAN	
LNTH CLRS			SER. NO.							W.L. CC		MOTOR MAN	
KELLY IN			DEPTH OUT							FLTR. CK		HELPER	
OTHER			HOURS RUN							P. I.			
TOTAL			FOOTAGE							MUD & CHEM. ADDED			
DRILL COLLARS			REAMER CUTTER NO.							TYPE	AMOUNT	HELPER	
NO. DIAMETER	LGTH.		TYPE									HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRG	
PIPE SIZE	FEET	RUN NO.	SIZE	FROM	TO	FROM	TO			TIME	WT.	DRG	
STAND D.P.			MFG.							WT.		DRILLER	
SNGLS D.P.			TYPE							VISC.		DERRICK MAN	
LNTH CLRS			SER. NO.							W.L. CC		MOTOR MAN	
KELLY IN			DEPTH OUT							FLTR. CK		HELPER	
OTHER			HOURS RUN							P. H.			
TOTAL			FOOTAGE							MUD & CHEM. ADDED			
DRILL COLLARS			REAMER CUTTER NO.							TYPE	AMOUNT	HELPER	
NO. DIAMETER	LGTH.		TYPE									HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRG	
PIPE SIZE	FEET	RUN NO.	SIZE	FROM	TO	FROM	TO			TIME	WT.	DRG	
STAND D.P.			MFG.							WT.		DRILLER	
SNGLS D.P.			TYPE							VISC.		DERRICK MAN	
LNTH CLRS			SER. NO.							W.L. CC		MOTOR MAN	
KELLY IN			DEPTH OUT							FLTR. CK		HELPER	
OTHER			HOURS RUN							P. H.			
TOTAL			FOOTAGE							MUD & CHEM. ADDED			
DRILL COLLARS			REAMER CUTTER NO.							TYPE	AMOUNT	HELPER	
NO. DIAMETER	LGTH.		TYPE									HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

MORNING TOUR				DAY TOUR			
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROD R.P.M.		ROD R.P.M.		ROD R.P.M.		ROD R.P.M.	
POINTS WT		POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE	

SLUSH PUMP REC

HOFF BROTHERS LTD.

EDMONTON
DAY FROM SPUD DATE

WELL
LSD
SEC
TYP.
ENGE.
COMPANY
W/
MER
PROVINCE

RIG NO.
TOOL PUSHER
DATE

MORNING TOUR		DAY TOUR		EVENING TOUR	
UN NO.	TIME TO	DRILLED TO	FORMATION AND EXPLANATION	TIME TO	DRILLED TO
ZE					
G					
PE					
R NO.					
PTH OUT					
URS RUN					
OTAGE					
AMER					
TER NO.					

MORNING TOUR		DAY TOUR		EVENING TOUR	
UN NO.	TIME TO	DRILLED TO	FORMATION AND EXPLANATION	TIME TO	DRILLED TO
ZE					
G					
PE					
R NO.					
PTH OUT					
URS RUN					
OTAGE					
AMER					
TER NO.					

MORNING TOUR		DAY TOUR		EVENING TOUR	
UN NO.	TIME TO	DRILLED TO	FORMATION AND EXPLANATION	TIME TO	DRILLED TO
ZE					
G					
PE					
R NO.					
PTH OUT					
URS RUN					
OTAGE					
AMER					
TER NO.					

MORNING TOUR		DAY TOUR		EVENING TOUR	
UN NO.	TIME TO	DRILLED TO	FORMATION AND EXPLANATION	TIME TO	DRILLED TO
ZE					
G					
PE					
R NO.					
PTH OUT					
URS RUN					
OTAGE					
AMER					
TER NO.					

MORNING TOUR		DAY TOUR		EVENING TOUR	
UN NO.	TIME TO	DRILLED TO	FORMATION AND EXPLANATION	TIME TO	DRILLED TO
ZE					
G					
PE					
R NO.					
PTH OUT					
URS RUN					
OTAGE					
AMER					
TER NO.					

OFF BROTHERS LTD.

DAY FROM SPUD DATE

EDMONTON

WELL
LSD
SEC
TWP
RNGE

20°-20N
12°-25W

COMPANY

W/ MER

PROVINCE

RIG NO.

TOOL PUSHER

DATE

4-1-11
March 18/11

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

TIME

DRLG. CREW PAYROLL

HRS

MORNING TOUR

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

TIME

DRLG. CREW PAYROLL

HRS

DEVIATION
DEPTH DEGREES

MUD & CHEM. ADDED
TYPE AMOUNT

DRILLER

DERICK MAN

MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

DERICK MAN

MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

DERICK MAN

MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

DERICK MAN

MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

DERICK MAN

MOTOR MAN

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FLTR. CK.
P. H.

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FLTR. CK.
P. H.

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MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

DERICK MAN

MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

DERICK MAN

MOTOR MAN

W. L. CC
FLTR. CK.
P. H.

DRILLER

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL

LSD

SEC

TWP.

RNGE

COMPANY

W/

MER.

PROVINCE

RIG NO

TOOL PUSHER

THIS IS THE

DAY FROM SPUD DATE

LSD

SEC

TWP.

RNGE

W/

MER.

PROVINCE

TOOL PUSHER

IN HOLE - END OF TOUR

BIT RECORD

MORNING TOUR

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

PIPE SIZE

RUN NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

STAND D.P.

SIZE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

SNGLS D.P.

MFG.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

LNTH CLRS

TYPE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

KELLY IN

SER. NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

OTHER

DEPTH OUT

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

TOTAL

HOURS RUN

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

DRILL COLLARS

FOOTAGE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

NO. DIAMETER LGTH

REAMER CUTTER NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

IN HOLE - END OF TOUR

BIT RECORD

MORNING TOUR

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

PIPE SIZE

RUN NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

STAND D.P.

SIZE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

SNGLS D.P.

MFG.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

LNTH CLRS

TYPE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

KELLY IN

SER. NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

OTHER

DEPTH OUT

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

TOTAL

HOURS RUN

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

DRILL COLLARS

FOOTAGE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

NO. DIAMETER LGTH

REAMER CUTTER NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

IN HOLE - END OF TOUR

BIT RECORD

MORNING TOUR

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

PIPE SIZE

RUN NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

STAND D.P.

SIZE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

SNGLS D.P.

MFG.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

LNTH CLRS

TYPE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

KELLY IN

SER. NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

OTHER

DEPTH OUT

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

TOTAL

HOURS RUN

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

DRILL COLLARS

FOOTAGE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

NO. DIAMETER LGTH

REAMER CUTTER NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

IN HOLE - END OF TOUR

BIT RECORD

MORNING TOUR

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

PIPE SIZE

RUN NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

STAND D.P.

SIZE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

SNGLS D.P.

MFG.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

LNTH CLRS

TYPE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

KELLY IN

SER. NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

OTHER

DEPTH OUT

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

TOTAL

HOURS RUN

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

DRILL COLLARS

FOOTAGE

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

NO. DIAMETER LGTH

REAMER CUTTER NO.

MUD RECORD

TIME FROM TO

DRILLED TO

FORMATION AND EXPLANATION

MUD RECORD

DRLC

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

MORNING TOUR

DAY TOUR

PUMP PRES

PSI

PUMP PRES

ROT. R.P.M.

ROT. R.P.M.

POINTS WT

POINTS WT

LINER SIZE

LINER SIZE

BRINKERHOFF BROTHERS LTD.

CALGARY EDMONTON

THIS IS THE 49 DAY FROM SPUD DATE

WELL NO. 10-204 SEC 5 TWP 14 N R 10 E
COMPANY WIN NEW RESOURCE CO
RIG NO. 411
TOOL PUSHER

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG							
NO.	PIPE SIZE	FEET	RUN NO.	SIZE	FROM	TO	FROM	TO	FORMATION AND EXPLANATION	TIME	WT.	VISC.	W. L. CC	FLTR. CK.	P. H.	MUD & CHEM. ADDED	TYPE	AMOUNT	DRILLER	HELPER
MORNING TOUR																				
Loading Cut off																				
DEV. DEPT. DEGREES																				
MUD & CHEM. ADDED																				
TYPE																				
AMOUNT																				
MOTOR MAN																				
HELPER																				
DRLG																				
DAY TOUR																				
Loading Trucks																				
DEV. DEPT. DEGREES																				
MUD & CHEM. ADDED																				
TYPE																				
AMOUNT																				
MOTOR MAN																				
HELPER																				
DRLG																				
EVENING TOUR																				
Loading Trucks																				
DEV. DEPT. DEGREES																				
MUD & CHEM. ADDED																				
TYPE																				
AMOUNT																				
MOTOR MAN																				
HELPER																				
DRLG																				

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

MORNING TOUR				DAY TOUR			
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT R.P.M.		ROT R.P.M.		ROT R.P.M.		ROT R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE	

CALGARY
BRINKERHOFF BROTHERS LTD.
 EDMONTON
 THIS IS THE 42 DAY FROM SPUD DATE
 WELL Sec 11 TWP 124-25W R.1
 COMPANY Paul Anderson W. MER PROVINCE Yukon

RIG NO 42-4
 TOOL PUSHER Wendell

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT.	DRILLER	
STAND D P													
SNGLS D P													
LNTH CLRS													
KELLY IN													
OTHER													
TOTAL													
DRILL COLLARS													
NO DIAMETER													
LGTH													
FOOTAGE													
REAMER CUTTER NO													
TYPE													

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT.	DRILLER	
STAND D P													
SNGLS D P													
LNTH CLRS													
KELLY IN													
OTHER													
TOTAL													
DRILL COLLARS													
NO DIAMETER													
LGTH													
FOOTAGE													
REAMER CUTTER NO													
TYPE													

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT.	DRILLER	
STAND D P													
SNGLS D P													
LNTH CLRS													
KELLY IN													
OTHER													
TOTAL													
DRILL COLLARS													
NO DIAMETER													
LGTH													
FOOTAGE													
REAMER CUTTER NO													
TYPE													

REMARKS (REPAIRS, ACCIDENTS AND ETC)

*Brinkerhoff's 500 gal fuel tank & 10000 gal mounted rig
 fuel supply tank left on location May 11 A-1 for cat change
 Can in 18 Canister*

MORNING TOUR		DAY TOUR	
PUMP PRES	PSI	PUMP PRES	PSI
ROT R P M		ROT R P M	
POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE	

EDMONTON

DAY FROM SPUD DATE

WELL
LSD

SEC

12216
TWP. 12
RNGE 12

COMPANY

W/ MER	PROVINCE
-----------	----------

RIG NO	4
TOOL F	

DATE _____

March 2.69

Wendell Smith

BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION				MUD RECORD			DRG. CREW PAYROLL		HRS
NO		FROM	TO	FROM	TO					TIME	WT.	DRILLER			
										VISC		DERRICK MAN	12		
										W L CC		MOTOR MAN	12		
										FLTR CK			12		
										P H		HELPER	12		
										MUD & CHEM ADDED		HELPER	12		
										TYPE	AMOUNT	HELPER	12		
										DEVIATION		HELPER	12		
										DEPTH	DEGREES	HELPER	12		
												HELPER	12		
												HELPER	12		

[illegible]

AND ETC.

520 gal fuel tank & 10000 gal^{all} mounted w/

made left on location May 11 4-1 for cat change up.
 Can in 18 1/2 in 10 in fuel storage.

SLUSH PUMP RECORD					
MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT R P M		ROT R P M		ROT R P M	
POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE	

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

VE

PAN AM 5111 MARCH 11 PAN AMERICAN

COMPANY

W. MER

PROVINCE

RIG NO

TOOL PUSHER

THIS IS THE 41 DAY FROM SPUD DATE

600 SEC

TWP 1240 254

114000

RIG NO 4134

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
STAND D P													
SNGLS D P													
LNTH CLRS													
KELLY IN													
OTHER													
TOTAL													
DRILL COLLARS													
NO DIAMETER													
LGTH													
REAMER CUTTER NO													
TYPE													

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
STAND D P													
SNGLS D P													
LNTH CLRS													
KELLY IN													
OTHER													
TOTAL													
DRILL COLLARS													
NO DIAMETER													
LGTH													
REAMER CUTTER NO													
TYPE													

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
STAND D P													
SNGLS D P													
LNTH CLRS													
KELLY IN													
OTHER													
TOTAL													
DRILL COLLARS													
NO DIAMETER													
LGTH													
REAMER CUTTER NO													
TYPE													

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

Three on approx 75' - 8' x 12' - 16' long plank to remove w/ 42.4

as in stock. Long shortage will be replaced by Pan Am of planks as left @ Beaver River bridge. It must be 6' x 12' long.

MORNING TOUR		DAY TOUR	
PUMP PRES	PSI	PUMP PRES	PSI
ROT R P M		ROT R P M	
POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE	

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

VEP
PAA AM 5111 MERRILL-1
600-2014 1240 254
TWP RING
PAA AMERICAN
W/ MER
PROVINCE
UKAN

RIG NO
424
DATE
MARCH 6/69
TOOL PUSHER
Donald Stanton

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
				TIME	AMOUNT		
	1200 130		LEGENDARY GROUND KEY	WT		DRILLER TARV JACOBSEN	16
	130		TEARING OUT 16 OR 15 SQUARE	VISC		DERRICK SHIM DOCKEN	16
	800		TO SQUARE	W L CC		MOTOR MAN	
	PLUG #3 300-600' - 800' IN AUGUST 9TH 134 C59			FLTR CK		HELPER E. HANSEN	16
	135 SAYS HEAT DISPLACED W/ 20 INCH H2O			P H		HELPER RON DEGAAR	16
	SET 5 SAYS IN TOP WELD ON FRAME			MUD & CHEM. ADDED		HELPER	
	AND MARKER W/ COORDINATES			TYPE	AMOUNT	HELPER	
						HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
				TIME	AMOUNT		
			RIG RELEASED 12 NOON	WT		DRILLER CLIFF BAYLEY	16
			PLUG 6/69	VISC		DERRICK RON SURVEY	16
			TEARING OUT	W L CC		MOTOR MAN GORD RACKS	16
				FLTR CK		HELPER Glen Survey	16
				P H		HELPER	
				MUD & CHEM. ADDED		HELPER	
				TYPE	AMOUNT	HELPER	
						HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
				TIME	AMOUNT		
			TEARING OUT	WT		DRILLER SEAN HEDIN	16
				VISC		DERRICK GLEN CURLEY	16
				W L CC		MOTOR MAN GORD RACKS	16
				FLTR CK		HELPER TERRY SCHULTZ	16
				P H		HELPER LAWRENCE MILLER	16
				MUD & CHEM. ADDED		HELPER	
				TYPE	AMOUNT	HELPER	
						HELPER	

SLUSH PUMP RECORD			
MORNING TOUR	DAY TOUR	PSI	PUMP PRES
PUMP PRES	PSI		
ROT R P M	ROT R P M		
POINTS WT	POINTS WT		
LINER SIZE	LINER SIZE		

75 - 3 x 12 - 16 foot long slush pumps to measure w/ 42-44
 advantage will be replaced by two sets of slush pumps
 minor advantage it would be 600 feet less

HOFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL

EDMONTON
LSD
SEC
TWD
RNG
W/
MER
PROVINCE

RIG NO

TOOL PUSHER

DATE

MARCH 6 1954

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRLG CREW PAYROLL

HRS

1200 500
500 800

Logging by Shumacher
Running in OAK COLLARS
LAY DOWN SAME

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

Run #1 3362-4940-422'
w/ 2 1/2" S.S. Discs about 195' Runway
Discovered 100' Gas Hole. In Runway @ 140' PM

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRLG CREW PAYROLL

HRS

800 8'5
8'15 1'30

Big SERS 1 BAR
Running in OAK COLLARS
UP 2 1/2" DISCS at 140' PM
CARE ON BIT
MIX RUN Plug #1
Hole 1' 5" 20
Mud Run Plug #2
Hole 1' 5" 20

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

1180 1230
1230 130
130 200
200 230
230 1100

Big SERS 1 BAR
Running in OAK COLLARS
UP 2 1/2" DISCS at 140' PM
CARE ON BIT
MIX RUN Plug #1
Hole 1' 5" 20
Mud Run Plug #2
Hole 1' 5" 20

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRLG CREW PAYROLL

HRS

720 22
3893'-3990'

122' w/ 100' S.S. Discs
Runway 195' Runway
Hole 1' 5" 20
Mud Run Plug #1
Hole 1' 5" 20
Mud Run Plug #2
Hole 1' 5" 20

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

500 900
900 1030
1030 1200

Runway 195' Runway
Hole 1' 5" 20
Mud Run Plug #1
Hole 1' 5" 20
Mud Run Plug #2
Hole 1' 5" 20

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRLG CREW PAYROLL

HRS

500 900
900 1030
1030 1200

Runway 195' Runway
Hole 1' 5" 20
Mud Run Plug #1
Hole 1' 5" 20
Mud Run Plug #2
Hole 1' 5" 20

TIME
WT
VISC
W L CC
FLTR CK
P H

DRILLER
DERICK MAN
MOTOR MAN
HELPER
HELPER
HELPER

8
8
8
8
8

MORNING TOUR				DAY TOUR				EVENING TOUR			
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT R P M		ROT R P M		ROT R P M		ROT R P M		ROT R P M		ROT R P M	
POINTS WT		POINTS WT		POINTS WT		POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE	

JOHN MORRISSE INVADED LEFT THUMB BULGING ON
MARCH 5 @ 11:00 PM
MARCH 6 @ 11:00 PM

Handwritten signature and notes.

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL NO. **PAN AM SHELL METAL P-1000 AMERICAN**
 LSD 60 SEC 20W TWP 124 RANG 85W W. MER PROVINCE YUKON

RIG NO. TOOL PUSHER

THIS IS THE **34** DAY FROM SPUD DATE

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME		DRILLER	
STAND D P										6:30	7:30	DRILLER	BE
SNGLS D P	474700	MFG						may down pipe with HARD BAND		94	937	DERICK MFG	BE
LNTH CLRS	58908	TYPE						PICKING UP PIPE WITH HARD BAND		75	50	MOTOR MFG	BE
KELLY IN	2600	SER NO						CIRC & CONDITION MUD				HELPER	BE
OTHER		DEPTH OUT										HELPER	BE
TOTAL	536800	HOURS RUN										HELPER	BE
DRILL COLLARS		FOOTAGE										HELPER	BE
NO DIAMETER LGTH		REAMER CUTTER NO.										HELPER	BE
NO DIAMETER LGTH	58900	TYPE										HELPER	BE

IN HOLE - END OF TOUR		P.I.T RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME		DRILLER	
STAND D P										8:15	9:15	DRILLER	BE
SNGLS D P		MFG						8.9 SEAR 1130PS		47		DERICK MFG	BE
LNTH CLRS		TYPE						HOIST TO LOG TANK OFF RIG		72		MOTOR MFG	BE
KELLY IN		SER NO						ALY 40 Ton logs in		44		HELPER	BE
OTHER		DEPTH OUT										HELPER	BE
TOTAL		HOURS RUN						INTER. - TD.				HELPER	BE
DRILL COLLARS		FOOTAGE										HELPER	BE
NO DIAMETER LGTH		REAMER CUTTER NO.						SID WALL DEFORMED				HELPER	BE
NO DIAMETER LGTH		TYPE						" "				HELPER	BE
								" "				HELPER	BE
								AL. DENSITY DIAMETER.				HELPER	BE

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRILL	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME		DRILLER	
STAND D P												DRILLER	BE
SNGLS D P		MFG						Logging by Sonar device				DERICK MFG	BE
LNTH CLRS		TYPE						ALY 40 Ton logs in				MOTOR MFG	BE
KELLY IN		SER NO						INTER. - TD.				HELPER	BE
OTHER		DEPTH OUT										HELPER	BE
TOTAL		HOURS RUN						INTER. - TD.				HELPER	BE
DRILL COLLARS		FOOTAGE										HELPER	BE
NO DIAMETER LGTH		REAMER CUTTER NO.						VELOCITY SURVEY.				HELPER	BE
NO DIAMETER LGTH		TYPE						TO TD.				HELPER	BE
												HELPER	BE
												HELPER	BE

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

Main Tank - 3' 10"

Small Tank - 3'

Camp Tank - 2' 6"

Handwritten signature

MORNING TOUR				DAY TOUR			
PUMP PRES	1000	PSI		PUMP PRES			
ROT R.P.M				ROT R.P.M			
POINTS WT				POINTS WT			
LINER SIZE	4.94100			LINER SIZE			

SLUSH PUMP RECC

OFF BROTHERS LTD.

DAY FROM SPUD DATE

EDMONTON

WELL NO. 60
SEC 20N
TWP 12N
RNGE 85W
MERC
PROVINCE

RIG NO. DATE
TOOL PUSHER MARCH 4/65

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD TIME

DRLG. CREW PAYROLL

HRS

MORNING TOUR

1200 630

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD TIME

DRLG. CREW PAYROLL

HRS

P.T. RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD TIME

DRLG. CREW PAYROLL

HRS

DAY TOUR

800 815 815 1100 1100 1100

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD TIME

DRLG. CREW PAYROLL

HRS

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD TIME

DRLG. CREW PAYROLL

HRS

EVENING TOUR

400 1200

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD TIME

DRLG. CREW PAYROLL

HRS

SLUSH PUMP RECORD

MORNING TOUR

DAY TOUR

EVENING TOUR

PUMP PRES

PSI

PUMP PRES

PS

PUMP PRES

PSI

ROT R.P.M.

ROT R.P.M.

ROT R.P.M.

ROT R.P.M.

ROT R.P.M.

ROT R.P.M.

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

POINTS WT

LINER SIZE

LINER SIZE

LINER SIZE

LINER SIZE

LINER SIZE

LINER SIZE

Handwritten signature and notes.

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL

SEC

TWP

RNG

W

MER

PROVINCE

RIG NO

THIS IS THE 38 DAY FROM SPUD DATE

LSD

SEC

TWP

RNG

W

MER

PROVINCE

RIG NO

TOOL

JERSON

THIS IS THE 38 DAY FROM SPUD DATE

LSD

SEC

TWP

RNG

W

MER

PROVINCE

RIG NO

TOOL

JERSON

IN HOLE - END OF TOUR

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

PIPE SIZE

RUN NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

STAND D P

MFG

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

SNGLS D P

TYPE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

LNGTH CLRS

SER NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

KELLY IN

DEPTH OUT

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

OTHER

HOURS RUN

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

TOTAL

FOOTAGE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

DRILL COLLARS

REAMER CUTTER NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

NO

TYPE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

PIPE SIZE

RUN NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

STAND D P

MFG

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

SNGLS D P

TYPE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

LNGTH CLRS

SER NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

KELLY IN

DEPTH OUT

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

OTHER

HOURS RUN

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

TOTAL

FOOTAGE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

DRILL COLLARS

REAMER CUTTER NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

NO

TYPE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

PIPE SIZE

RUN NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

STAND D P

MFG

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

SNGLS D P

TYPE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

LNGTH CLRS

SER NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

KELLY IN

DEPTH OUT

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

OTHER

HOURS RUN

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

TOTAL

FOOTAGE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

DRILL COLLARS

REAMER CUTTER NO

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

NO

TYPE

SIZE

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

REMARKS (REPAIRS ACCIDENTS AND ETC)

Main Tank - 3' 3"

Small Tank - 3'

Camp Tank - 2' 7"

Start via Nye Mar 3/69

Start via Nye Mar 3/69

Start via Nye Mar 3/69

Start via Nye Mar 3/69

MUD RECORD

MUD RECORD

MUD RECORD

MUD RECORD

DRILLER

DRILLER

DRILLER

DRILLER

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 37 DAY FROM SPUD DATE

WELL

PAN AM SHELL MERRILL B-1 PAN AMERICAN

COMPANY

SEC 14-25W

PROVINCE

YUKON

R.O. NO.

4974

TELEPHONE

BRINKERHOFF

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED				FORMATION AND EXPLANATION				MUD RECORD				DRILL				
NO	PIPE SIZE	FEET	RUN NO	SIZE	MFG	TYPE	SER NO	DEPTH OUT	FROM	TO	FROM	TO	FROM	TO	FROM	TO	TIME	WT	VISC	W L CC	TIME	WT	VISC	W L CC	DRILLER	DRILLER	DRILLER	DRILLER
52	4 1/2	471.689	82	8 1/2	CHAS		82810	5362	1200	1215							1230	9.24							DRILLER	DRILLER	DRILLER	DRILLER
1	STAND D P								1215	1.00															DERICK	DERICK	DERICK	DERICK
1	SNGLS D P								1.00	400															MOTOR MAN	MOTOR MAN	MOTOR MAN	MOTOR MAN
19	LNTH CLRS	557.83							400	500															HELPER	HELPER	HELPER	HELPER
19	KELLY IN	4100							500	530															HELPER	HELPER	HELPER	HELPER
19	TOTAL	557.83							530	530															HELPER	HELPER	HELPER	HELPER
19	DRILL COLLARS	557.83							530	530															HELPER	HELPER	HELPER	HELPER
19	DIAMETER	557.83							530	530															HELPER	HELPER	HELPER	HELPER
19	LGTH	557.83							530	530															HELPER	HELPER	HELPER	HELPER
19	FOOTAGE	557.83							530	530															HELPER	HELPER	HELPER	HELPER
19	REAMER CUTTER NO	557.83							530	530															HELPER	HELPER	HELPER	HELPER
19	TYPE	557.83							530	530															HELPER	HELPER	HELPER	HELPER

REMARKS: REPAIRS ACCIDENTS AND ETC. 1. 3' 8" DST # 1 4989-5362' SAND DUAL INCKERS.

Small Tank 3' 151 60 MIN INCREASED 15 MIN. STEADY THROUGHOUT REMINDER OF PULVER PERIOD.

Camp Tank 2' 10" FSI 60 MIN 4429 3/4" STREAM H2O WAS DETECTED WITH H2O LINDER SIZE 4429 3/4" LINDER SIZE

1406 HOLE WITH DIAMETER.

DAY FROM SPUD DATE

EDMONTON

WELL

244-244
LSD SEC

TWP. RANGE.

COMPANY

1997 FEB 15 AM
MEMPHIS
TENN

MINCE

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DATE _____

RECEIVED

6/14/2014

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
NO	FROM	TO	FROM	TO				TIME	WT	DRILLER	HRS
1	1200	1215			11.5	SEAL - 2000		12.30	7.2	BERRY LYNN	8
2	1215	1400			11.5	CLAC BOTTOM WARE SAMPLE				SPANT. WARD	8
3	1400	1400			11.5	HUIST CORE		45			8
4	1400	1400			11.5	RAVIER CORE + STAND PACH CO				WATERMAN	8
5	1400	1400			11.5	SHAP LINE				FLAYD MACKAN	8
6	1400	1400			11.5	PICKING PACH CO				JOE S. JENSEN	8
7	1400	1400			11.5	REIN IN SAME				HELPER	8

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION				MUD RECORD				DRUG CREW PAYROLL				HRS						
		FROM	TO	FROM	TO					TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER	HELPER		
		8:40	8:45															FRANK JACOBSEN						
		8:45	10:00															FRANK JACOBSEN						
		10:00	11:05															FRANK JACOBSEN						
		11:05	12:05															FRANK JACOBSEN						
		12:05	2:05															FRANK JACOBSEN						
		2:05	3:45															FRANK JACOBSEN						
		3:45	4:00															FRANK JACOBSEN						
																		FRANK JACOBSEN						

[illegible]

989-2362 K&D DUAL INCKERS.

MORNING TOUR

SLUSH PUMP RECORD

[illegible]

BRINKERHOFF BROTHERS LTD.

THIS IS THE 36 DAY FROM SPUD DATE

WELL PAN AM COMPANY SHAWNEE
 LSO 20W SEC 12W - 26W
 PROVINCE YUKON

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRUG	
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	DRILLER	
51	STAND D P		834	8 1/2	1200	1215	5325		919 SAND & GAPS		1230	99	DERICK	
1	SNGLS D P	465.614	MFG	CHRS	1215	630			5326.93 CUTTING CORE #3		99	99	DERICK	
18	LNTH CLRS	557.83	TYPE	0	630	245			CIRC BOTTOM HALF SAMPLE		49	47	MOTOR	
	KELLY IN	40.00	SER NO	EC8810	245	100			WAST CORE		49	47	MOTOR	
446	DEER	72.28	DEPTH OUT	5326.93									HELPER	
	TOTAL	557.83	HOURS RUN	534									HELPER	
	DRILL COLLARS	557.83	FOOTAGE	31.00									HELPER	
NO	DIAMETER		REAMER CUTTER NO										HELPER	
18	6 1/2	557.83	TYPE										HELPER	

IN HOLE - END OF TOUR			BIT RECORD			TIME TO			DRILLED TO			FORMATION AND EXPLANATION			MUD RECORD			DRUG C			
NO	PIPE SIZE	FEET	RUN NO	SIZE		FROM	TO		FROM	TO		TIME	WT	VISC	W L CC	FLTR CK	TYPE	AMOUNT	DRILLER	HELPER	
51	STAND D P	44	44	8 1/2		800	815													DRILLER	HELPER
2	SNGLS D P	468.08	MFG	CHRS		815	1015													DERRICK	HELPER
18	LNTH CLRS	557.83	TYPE	0		1015	1100													MOTOR	HELPER
	KELLY IN	12.00	SER NO	EC8810		1100														HELPER	HELPER
TOTAL		532.83	DEPTH OUT			330														HELPER	HELPER
DRILL COLLARS		532.83	HOURS RUN	1/2		330														HELPER	HELPER
NO	DIAMETER	LGTH	FOOTAGE			330	400		5326	5328										HELPER	HELPER
18	6 1/2	557.83	REAMER CUTTER NO																	HELPER	HELPER
			TYPE																		

IN HOLE — END OF TOUR			BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRUG	
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT		
51	STAND D P	4716.89		8 1/2	400	415				RIC SAND 800 FS	400	800	9100	DRILLER
	SNGLS D P			MFG	415	630				DISCOVER AND 1/2 IN WITH THAT	98	912	935	DERICK
18	LNTH CURS	557.83		CHRS										
	KELLY IN	15.00		Q	630	1200				QUANT CORE #4	90	115	116	MOTOR W
			SER NO	EC 8810			5328	5362			FLY CR	56		HELPER
EVE. OBT 7004			DEPTH OUT											
TOTAL			HOURS RUN	7 6										
DRILL COLLARS														
NO	DIAMETER	LGTH	FOOTAGE											
18	6 1/4	532.83	36											
			REAMER CUTTER NO											
			TYPE											
EVENING TOUR														
											</			

REMARKS (REPAIRS ACCIDENTS AND ETC.)

Main tank 11' Brass worked out to main at 1200 ft.

Core #3 5295-5326 - 31' Full Rec.

Core #4 5326-5326 - 31' Full Rec.

MORN'G TOUR				DAY TOUR			
PUMP PRES	750	PS	PUMP PRES	750	PS	PUMP PRES	750
ROT RPM	40	42	ROT RPM	40	42	ROT RPM	40
POINTS WT	5.6		POINTS WT	5.6		POINTS WT	5.6
LINER SIZE	4 1/2 X 1 1/2		LINER SIZE	4 1/2 X 1 1/2		LINER SIZE	4 1/2 X 1 1/2

OFF BROTHERS LTD.

DAY FROM SPUD DATE

EDMONTON

WELL
LSD

SEC

COMPANY
TWP

FORMATION AND EXPLANATION

DEVIATION
DEPTH DEGREES

MUD RECORD
TYPE AMOUNT

DRLG CREW PAYROLL

DATE

PIG NO

1000 PIG NO

1000 PIG NO

1000 PIG NO

1000 PIG NO

1000 PIG NO

1000 PIG NO

1000 PIG NO

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	DEVIATION DEPTH DEGREES	MUD RECORD TYPE AMOUNT	DRLG CREW PAYROLL	HRS
NO 1	1200	1215	5235	919 SERV & GAPS	WT 12.30 3.30 6.30	DRILLER GERRY LYON	8
NO 2	1215	1230	5326.85 CUTTING CASE #3	VISC 49 47 47	DERRICK GRANT WARD	8	
NO 3	1230	1245	5326.85 CUTTING CASE #3	W L CC 48 46 40	MOTOR MAN JIMMY HANSEN	8	
NO 4	1245	1300	5326.85 CUTTING CASE #3	FLTR CM 42 42 42	HELPER LLOYD MACLEAN	8	
NO 5	1300	1315	5326.85 CUTTING CASE #3	P H 8 8 8	HELPER JESSE SUTHERVEN	8	
NO 6	1315	1330	5326.85 CUTTING CASE #3	MUD & CHEM ADDED	HELPER	8	
NO 7	1330	1345	5326.85 CUTTING CASE #3		HELPER	8	
NO 8	1345	1400	5326.85 CUTTING CASE #3		HELPER	8	
NO 9	1400	1415	5326.85 CUTTING CASE #3		HELPER	8	
NO 10	1415	1430	5326.85 CUTTING CASE #3		HELPER	8	
NO 11	1430	1445	5326.85 CUTTING CASE #3		HELPER	8	
NO 12	1445	1500	5326.85 CUTTING CASE #3		HELPER	8	
NO 13	1500	1515	5326.85 CUTTING CASE #3		HELPER	8	
NO 14	1515	1530	5326.85 CUTTING CASE #3		HELPER	8	
NO 15	1530	1545	5326.85 CUTTING CASE #3		HELPER	8	
NO 16	1545	1600	5326.85 CUTTING CASE #3		HELPER	8	
NO 17	1600	1615	5326.85 CUTTING CASE #3		HELPER	8	
NO 18	1615	1630	5326.85 CUTTING CASE #3		HELPER	8	
NO 19	1630	1645	5326.85 CUTTING CASE #3		HELPER	8	
NO 20	1645	1700	5326.85 CUTTING CASE #3		HELPER	8	
NO 21	1700	1715	5326.85 CUTTING CASE #3		HELPER	8	
NO 22	1715	1730	5326.85 CUTTING CASE #3		HELPER	8	
NO 23	1730	1745	5326.85 CUTTING CASE #3		HELPER	8	
NO 24	1745	1800	5326.85 CUTTING CASE #3		HELPER	8	
NO 25	1800	1815	5326.85 CUTTING CASE #3		HELPER	8	
NO 26	1815	1830	5326.85 CUTTING CASE #3		HELPER	8	
NO 27	1830	1845	5326.85 CUTTING CASE #3		HELPER	8	
NO 28	1845	1900	5326.85 CUTTING CASE #3		HELPER	8	
NO 29	1900	1915	5326.85 CUTTING CASE #3		HELPER	8	
NO 30	1915	1930	5326.85 CUTTING CASE #3		HELPER	8	
NO 31	1930	1945	5326.85 CUTTING CASE #3		HELPER	8	
NO 32	1945	2000	5326.85 CUTTING CASE #3		HELPER	8	
NO 33	2000	2015	5326.85 CUTTING CASE #3		HELPER	8	
NO 34	2015	2030	5326.85 CUTTING CASE #3		HELPER	8	
NO 35	2030	2045	5326.85 CUTTING CASE #3		HELPER	8	
NO 36	2045	2100	5326.85 CUTTING CASE #3		HELPER	8	
NO 37	2100	2115	5326.85 CUTTING CASE #3		HELPER	8	
NO 38	2115	2130	5326.85 CUTTING CASE #3		HELPER	8	
NO 39	2130	2145	5326.85 CUTTING CASE #3		HELPER	8	
NO 40	2145	2200	5326.85 CUTTING CASE #3		HELPER	8	
NO 41	2200	2215	5326.85 CUTTING CASE #3		HELPER	8	
NO 42	2215	2230	5326.85 CUTTING CASE #3		HELPER	8	
NO 43	2230	2245	5326.85 CUTTING CASE #3		HELPER	8	
NO 44	2245	2300	5326.85 CUTTING CASE #3		HELPER	8	
NO 45	2300	2315	5326.85 CUTTING CASE #3		HELPER	8	
NO 46	2315	2330	5326.85 CUTTING CASE #3		HELPER	8	
NO 47	2330	2345	5326.85 CUTTING CASE #3		HELPER	8	
NO 48	2345	2400	5326.85 CUTTING CASE #3		HELPER	8	
NO 49	2400	2415	5326.85 CUTTING CASE #3		HELPER	8	
NO 50	2415	2430	5326.85 CUTTING CASE #3		HELPER	8	
NO 51	2430	2445	5326.85 CUTTING CASE #3		HELPER	8	
NO 52	2445	2500	5326.85 CUTTING CASE #3		HELPER	8	
NO 53	2500	2515	5326.85 CUTTING CASE #3		HELPER	8	
NO 54	2515	2530	5326.85 CUTTING CASE #3		HELPER	8	
NO 55	2530	2545	5326.85 CUTTING CASE #3		HELPER	8	
NO 56	2545	2600	5326.85 CUTTING CASE #3		HELPER	8	
NO 57	2600	2615	5326.85 CUTTING CASE #3		HELPER	8	
NO 58	2615	2630	5326.85 CUTTING CASE #3		HELPER	8	
NO 59	2630	2645	5326.85 CUTTING CASE #3		HELPER	8	
NO 60	2645	2700	5326.85 CUTTING CASE #3		HELPER	8	
NO 61	2700	2715	5326.85 CUTTING CASE #3		HELPER	8	
NO 62	2715	2730	5326.85 CUTTING CASE #3		HELPER	8	
NO 63	2730	2745	5326.85 CUTTING CASE #3		HELPER	8	
NO 64	2745	2800	5326.85 CUTTING CASE #3		HELPER	8	
NO 65	2800	2815	5326.85 CUTTING CASE #3		HELPER	8	
NO 66	2815	2830	5326.85 CUTTING CASE #3		HELPER	8	
NO 67	2830	2845	5326.85 CUTTING CASE #3		HELPER	8	
NO 68	2845	2900	5326.85 CUTTING CASE #3		HELPER	8	
NO 69	2900	2915	5326.85 CUTTING CASE #3		HELPER	8	
NO 70	2915	2930	5326.85 CUTTING CASE #3		HELPER	8	
NO 71	2930	2945	5326.85 CUTTING CASE #3		HELPER	8	
NO 72	2945	3000	5326.85 CUTTING CASE #3		HELPER	8	
NO 73	3000	3015	5326.85 CUTTING CASE #3		HELPER	8	
NO 74	3015	3030	5326.85 CUTTING CASE #3		HELPER	8	
NO 75	3030	3045	5326.85 CUTTING CASE #3		HELPER	8	
NO 76	3045	3100	5326.85 CUTTING CASE #3		HELPER	8	
NO 77	3100	3115	5326.85 CUTTING CASE #3		HELPER	8	
NO 78	3115	3130	5326.85 CUTTING CASE #3		HELPER	8	
NO 79	3130	3145	5326.85 CUTTING CASE #3		HELPER	8	
NO 80	3145	3200	5326.85 CUTTING CASE #3		HELPER	8	
NO 81	3200	3215	5326.85 CUTTING CASE #3		HELPER	8	
NO 82	3215	3230	5326.85 CUTTING CASE #3		HELPER	8	
NO 83	3230	3245	5326.85 CUTTING CASE #3		HELPER	8	
NO 84	3245	3300	5326.85 CUTTING CASE #3		HELPER	8	
NO 85	3300	3315	5326.85 CUTTING CASE #3		HELPER	8	
NO 86	3315	3330	5326.85 CUTTING CASE #3		HELPER	8	
NO 87	3330	3345	5326.85 CUTTING CASE #3		HELPER	8	
NO 88	3345	3400	5326.85 CUTTING CASE #3		HELPER	8	
NO 89	3400	3415	5326.85 CUTTING CASE #3		HELPER	8	
NO 90	3415	3430	5326.85 CUTTING CASE #3		HELPER	8	
NO 91	3430	3445	5326.85 CUTTING CASE #3		HELPER	8	
NO 92	3445	3500	5326.85 CUTTING CASE #3		HELPER	8	
NO 93	3500	3515	5326.85 CUTTING CASE #3		HELPER	8	
NO 94	3515	3530	5326.85 CUTTING CASE #3		HELPER	8	
NO 95	3530	3545	5326.85 CUTTING CASE #3		HELPER	8	
NO 96	3545	3600	5326.85 CUTTING CASE #3		HELPER	8	
NO 97	3600	3615	5326.85 CUTTING CASE #3		HELPER	8	
NO 98	3615	3630	5326.85 CUTTING CASE #3		HELPER	8	
NO 99	3630	3645	5326.85 CUTTING CASE #3		HELPER	8	
NO 100	3645	3700	5326.85 CUTTING CASE #3		HELPER	8	
NO 101	3700	3715	5326.85 CUTTING CASE #3		HELPER	8	
NO 102	3715	3730	5326.85 CUTTING CASE #3		HELPER	8	
NO 103	3730	3745	5326.85 CUTTING CASE #3		HELPER	8	
NO 104	3745	3800	5326.85 CUTTING CASE #3		HELPER	8	
NO 105	3800	3815	5326.85 CUTTING CASE #3		HELPER	8	
NO 106	3815	3830	5326.85 CUTTING CASE #3		HELPER	8	
NO 107	3830	3845	5326.85 CUTTING CASE #3		HELPER	8	
NO 108	3845	3900	5326.85 CUTTING CASE #3		HELPER	8	
NO 109	3900	3915	5326.85 CUTTING CASE #3		HELPER	8	
NO 110	3915	3930	5326.85 CUTTING CASE #3		HELPER	8	
NO 111	3930	3945	5326.85 CUTTING CASE #3		HELPER	8	
NO 112	3945	4000	5326.85 CUTTING CASE #3		HELPER	8	
NO 113	4000	4015	5326.85 CUTTING CASE #3		HELPER	8	
NO 114	4015	4030	5326.85 CUTTING CASE #3		HELPER	8	
NO 115	4030	4045	5326.85 CUTTING CASE #3		HELPER	8	
NO 116	4045	4100	5326.85 CUTTING CASE #3		HELPER	8	
NO 117	4100	4115	5326.85 CUTTING CASE #3		HELPER	8	
NO 118	4115	4130	5326.85 CUTTING CASE #3		HELPER	8	
NO 119	4130	4145	5326.85 CUTTING CASE #3		HELPER	8	
NO 120	4145	4200	5326.85 CUTTING CASE #3		HELPER	8	
NO 121	4200	4215	5326.85 CUTTING CASE #3		HELPER	8	
NO 122	4215	4230	5326.85 CUTTING CASE #3		HELPER	8	
NO 123	4230	4245	5326.85 CUTTING CASE #3		HELPER	8	
NO 124	4245	4300	5326.85 CUTTING CASE #3		HELPER	8	
NO 125	4300	4315	5326.85 CUTTING CASE #3		HELPER	8	
NO 126	4315	4330	5326.85 CUTTING CASE #3		HELPER	8	
NO 127	4330	4345	5326.85 CUTTING CASE #3		HELPER	8	
NO 128	4345	4400	5326.85 CUTTING CASE #3		HELPER	8	
NO 129	4400	4415	5326.85 CUTTING CASE #3		HELPER	8	
NO 130	4415	4430	5326.85 CUTTING CASE #3		HELPER	8	
NO 131	4430	4445	5326.85 CUTTING CASE #3		HELPER	8	
NO 132	4445	4500	5326.85 CUTTING CASE #3		HELPER	8	
NO 133	4500	4515	5326.85 CUTTING CASE #3		HELPER	8	
NO 134	4515	4530	5326.85 CUTTING CASE #3		HELPER	8	
NO 135	4530	4545	5326.85 CUTTING CASE #3		HELPER	8	
NO 136	4545	4600	5326.85 CUTTING CASE #3		HELPER	8	
NO 137	4600	4615	5326.85 CUTTING CASE #3		HELPER	8	
NO 138	4615	4630	5326.85 CUTTING CASE #3		HELPER	8	
NO 139	4630	4645	5326.85 CUTTING CASE #3		HELPER	8	
NO 140	4645	4700	5326.85 CUTTING CASE #3		HELPER	8	
NO 141	4700	4715	5326.85 CUTTING CASE #3		HELPER	8	
NO 142	4715	4730	5326.85 CUTTING CASE #3		HELPER	8	
NO 143	4730	4745	5326.85 CUTTING CASE #3		HELPER	8	
NO 144	4745	4800	5326.85 CUTTING CASE #3		HELPER	8	
NO 145	4800	4815	5326.85 CUTTING CASE #3		HELPER	8	
NO 146	4815	4830	5326.85 CUTTING CASE #3		HELPER	8	
NO 147	4830	4845	5326.85 CUTTING CASE #3		HELPER	8	
NO 148	4845	4900	5326.85 CUTTING CASE #3		HELPER	8	
NO 149	4900	4915	5326.85 CUTTING CASE #3		HELPER	8	
NO 150	4915	4930	5326.85 CUTTING CASE #3		HELPER	8	
NO 151	4930	4945	5326.85 CUTTING CASE #3		HELPER	8	
NO 152	4945	5000	5326.85 CUTTING CASE #3		HELPER	8	
NO 153	5000	5015	5326.85 CUTTING CASE #3		HELPER	8	
NO 154	5015	5030	5326.85 CUTTING CASE #3		HELPER	8	
NO 155	5030	5045	5326.85 CUTTING CASE #3		HELPER	8	
NO 156	5045	5100	5326.85 CUTTING CASE #3		HELPER	8	
NO 157	5100	5115	5326.85 CUTTING CASE #3		HELPER	8	
NO 158	5115	5130	5326.85 CUTTING CASE #3		HELPER	8	
NO 159	5130	5145	5326.85 CUTTING CASE #3		HELPER	8	
NO 160	5145	5200	5326.85 CUTTING CASE #3		HELPER	8	
NO 161	5200	5215	5326.85 CUTTING CASE #3		HELPER	8	
NO 162	5215	5230	5326.85 CUTTING CASE #3		HELPER	8	
NO 163	5230	5245	5326.85 CUTTING CASE #3		HELPER	8	
NO 164	5245	5300	5326.85 CUTTING CASE #3		HELPER	8	
NO 165	5300	5315	5326.85 CUTTING CASE #3		HELPER	8	
NO 166	5315	5330	5326.85 CUTTING CASE #3		HELPER	8	
NO 167	5330	5345	5326.85 CUTTING CASE #3		HELPER	8	
NO 168	5345	5400	5326.85 CUTTING CASE #3		HELPER	8	
NO 169	5400	5415	532				

CALGARY
THIS IS THE 35 DAY FROM SPUD DATE

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL
LSD PAN AM SEC 26N 12W - 25W
COMPANY
PAN AMERICAN
PROVINCE
YUKON

RIG NO
42-H
TOOL P. PER
Normal

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				DRUG				
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	SER NO	DEPTH OUT	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FORMATION AND EXPLANATION	DEVIATION DEGREES	TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	HELPER	DRUG
51	4 1/2	461730	81	8 1/2	MFG	CHAS	1200	1215								Rig SERV & BOPS		1230	90	47	64		9.0			DRUG	DRUG	
17	4 1/2	39681	0	CHAS	0	ACR10	1200	1215								CUTTING CORE #1		90	90	47	64		9.0			DRUG	DRUG	
																HOISTING AND RECOVER CORE												
																WORKING CORE #1												
																AWAYING WORKING CORE												

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				DRUG				
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	SER NO	DEPTH OUT	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FORMATION AND EXPLANATION	DEVIATION DEGREES	TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	HELPER	DRUG
51	4 1/2	46614	8 1/2	CHAS	0	ACR10	800	815								Rig SERV & BOPS		815	89	47	64		9.0			DRUG	DRUG	
17	4 1/2	5281	0	CHAS	0	ACR10	815	830								AWAYING CORE #2		830	89	47	64		9.0			DRUG	DRUG	
																CUTTING CORE #2												
																CIRC. DRUM. HOUS. SAMPLE												

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				DR								
NO	PIPE SIZE	FEET	RUN NO	SIZE	MFG	TYPE	SER NO	DEPTH OUT	HOURS RUN	FOOTAGE	REAMER CUTTER NO	TYPE	FROM	TO	FROM	TO	FORMATION AND EXPLANATION	DEPTH	DEGREES	TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	HE- PER	HE- PER		
51	4 1/2	465614	8 A	8 1/2	CHAS	Q							400	415			Rig SERV. & BOPS														CR - LER	CR - LER
1	SNGLS D P.												415	6-15			HOISTING CORE NO 2														CR - LER	CR - LER
18	LNTH CLRS	55213											6-15	7-30			RECOVER CORE #2														CR - LER	CR - LER
	KELLY IN	400											7-30	9-00			STAND BACK CORE BBL. - MAY DOWN														CR - LER	CR - LER
CORE	804-316	7238											9-00	10-00			STAND BACK CORE BBL. - MAY DOWN														CR - LER	CR - LER
	TOTAL	55213											10-00	11-00			STAND BACK CORE BBL. - MAY DOWN														CR - LER	CR - LER
	DRILL COLLARS												11-00	12-00			STAND BACK CORE BBL. - MAY DOWN														CR - LER	CR - LER
NO	DIAMETER	LNTH															STAND BACK CORE BBL. - MAY DOWN														CR - LER	CR - LER
18	6 1/2																STAND BACK CORE BBL. - MAY DOWN														CR - LER	CR - LER

CONCLUSION

10

20

12/11/11

15

11

10

28169

60-1

SEC
25

1764

25.4

[illegible]

100

11/11/2023

Shirley

[illegible]

PUMP PRES	ROT R P M	POINTS WT	LINER SIZE	PUMP PRES	ROT R P M	POINTS WT	LINER SIZE	PUMP PRES	ROT R P M	POINTS WT	LINER SIZE
1100 PSI	5.6	20	10 X 10	1100 PSI	40	20	10 X 10	750 PSI	45	5.6	10 X 10

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 31 DAY FROM SPUD DATE

Par. Am. Shale Drilling 1st. Am. Shale Drilling
60.20 W 12.4-25 W
RANGE

PROVINCE

TOOL FISHING

IN HOLE - END OF TOUR				BIT RECORD				MORNING TOUR				FORMATION AND EXPLANATION				MUD RECORD				DRLG			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	DEPTH OUT	HOURS RUN	FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION	DEPTH	DEGREES	TIME	WT	VISC	FLTR CK	P H	TYPE	AMOUNT	DRILLER	DRLG
40	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
2	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
20	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE

IN HOLE - END OF TOUR				BIT RECORD				DAY TOUR				FORMATION AND EXPLANATION				MUD RECORD				DRLG			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	DEPTH OUT	HOURS RUN	FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION	DEPTH	DEGREES	TIME	WT	VISC	FLTR CK	P H	TYPE	AMOUNT	DRILLER	DRLG
42	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
20	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE

IN HOLE - END OF TOUR				BIT RECORD				EVENING TOUR				FORMATION AND EXPLANATION				MUD RECORD				DRLG			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	DEPTH OUT	HOURS RUN	FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION	DEPTH	DEGREES	TIME	WT	VISC	FLTR CK	P H	TYPE	AMOUNT	DRILLER	DRLG
44	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
20	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE
1	4 1/2	3689.00	18	8 1/2	REED	4175	4313	4175	4313	4175	4313	RIG SERVED BOOPS	4310	4 1/2	10.00	4.00	3.00	3.00	10.00	3.00	3.00	BE	BE

REMARKS (REPAIRS ACCIDENTS AND ETC.)

MAIN TANK - 3' 11" 100 ft on AUG 15

SHALL TANK - 3'

CAMP TANK - 3'

SLUSH PUMP RECORD

MORNING TOUR				DAY TOUR			
PUMP PRES	1000 PSI	PUMP PRES	1250 PSI	PUMP PRES	1000 PSI	PUMP PRES	1250 PSI
ROT R.P.M	40	ROT R.P.M	80	ROT R.P.M	40	ROT R.P.M	80
POINTS WT	20-22	POINTS WT	20	POINTS WT	20-22	POINTS WT	20
LINER SIZE	4 1/2 x 1 1/2	LINER SIZE	4 1/2 x 1 1/2	LINER SIZE	4 1/2 x 1 1/2	LINER SIZE	4 1/2 x 1 1/2

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

PAUL AM. SHAW MARSHALL PAN. AMERICAN
LSD 600.20N SEC 12.4.25W TWP 12.4.25W RANGE W. MER PROVINCE YUKON

RIG DATE
TOOL JOEY
WHEEL 1000
FEB 24/69

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME		DRILLER	HRS
18		1200	1215			RIG SET UP & 150 PS		100	400	BEARLY DUNN	8
19		1215	700	4175	4313	DRIG 8 1/2" HOLE		WT 8.4	8.6	DERICK MONTGOMERY	8
20		700	730			SAVING @ 4310		VISC 31	34	DERICK MONTGOMERY	8
21		730	800	4313	4325	DRIG 8 1/2" HOLE		W L CG 10.4	10.6	DERICK MONTGOMERY	8
22								FLTR CK 34	34	DERICK MONTGOMERY	8
23								P H 10.5	10.6	DERICK MONTGOMERY	8
24								MUD & CHEM ADDED		DERICK MONTGOMERY	8
25								TYPE AMOUNT		DERICK MONTGOMERY	8
26								601	3000	DERICK MONTGOMERY	8
27								602	3000	DERICK MONTGOMERY	8
28								603	3000	DERICK MONTGOMERY	8
29								604	3000	DERICK MONTGOMERY	8
30								605	3000	DERICK MONTGOMERY	8

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME		DRILLER	HRS
18		800	915	4325		RIG SET UP & 150 PS		WT 9.6	9.6	BEARLY DUNN	8
19		915	930			RIG SET UP & 150 PS		VISC 31	34	DERICK MONTGOMERY	8
20		930	1100			DRIG 8 1/2" HOLE		W L CG 11	10	DERICK MONTGOMERY	8
21		1100	1130			DRIG 8 1/2" HOLE		FLTR CK 34	34	DERICK MONTGOMERY	8
22		1130	300			DRIG 8 1/2" HOLE		P H 10.5	10.6	DERICK MONTGOMERY	8
23		300	330			DRIG 8 1/2" HOLE		MUD & CHEM ADDED		DERICK MONTGOMERY	8
24		330	340			DRIG 8 1/2" HOLE		TYPE AMOUNT		DERICK MONTGOMERY	8
25		340	400			DRIG 8 1/2" HOLE		601	3000	DERICK MONTGOMERY	8
26								602	3000	DERICK MONTGOMERY	8
27								603	3000	DERICK MONTGOMERY	8
28								604	3000	DERICK MONTGOMERY	8
29								605	3000	DERICK MONTGOMERY	8

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME		DRILLER	HRS
18		400	415			RIG SET UP & 150 PS		WT 8.6	8.6	BEARLY DUNN	8
19		415	530	4477		DRIG 8 1/2" HOLE		VISC 34	32	DERICK MONTGOMERY	8
20		530	900			RUN SURVEY		W L CG 10.4	10.6	DERICK MONTGOMERY	8
21		900	1200	4645		DRIG 8 1/2" HOLE		FLTR CK 34	34	DERICK MONTGOMERY	8
22								P H 10.5	10.6	DERICK MONTGOMERY	8
23								MUD & CHEM ADDED		DERICK MONTGOMERY	8
24								TYPE AMOUNT		DERICK MONTGOMERY	8
25								601	3000	DERICK MONTGOMERY	8
26								602	3000	DERICK MONTGOMERY	8
27								603	3000	DERICK MONTGOMERY	8
28								604	3000	DERICK MONTGOMERY	8
29								605	3000	DERICK MONTGOMERY	8

SLUSH PUMP RECORD

MORNING TOUR				DAY TOUR				EVENING TOUR			
PUMP PRES	ROT R.P.M	POINTS WT	LINER SIZE	PUMP PRES	ROT R.P.M	POINTS WT	LINER SIZE	PUMP PRES	ROT R.P.M	POINTS WT	LINER SIZE
1000	40	20-22	4 1/2 X 100	1250	50	20	4 1/2 X 100	1100	50	20	4 1/2 X 100

3' 11" 100 ft on ANCHORS

ANCHORS

3

TOOL POSHER

4321
TOOL POSHER

[illegible]

MORNING TOUR		DAY TOUR	
PUMP PRES	1180	PUMP PRES	11.0
ROT R P M	45.5	ROT R P M	30
POINTS WT	20	POINTS WT	20
LINER SIZE	4x8x100	LINER SIZE	4x8

OFF BROTHERS LTD.

EDMONTON
DAY FROM SPUD DATE

WE CAN-AM Steel Mechanical
LSD SEC TWP RING W/ MER
60°-30'N-124°-25'W
Province

RIG NO. 4244 DATE 10.3.25/69
TOOL POSENER
TOWEL MARK

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME			HRS
18		1200	1215			RIG SEC 1130PS		WT	800	DRILLER	8
19		1215	300	4645		DRIG 8 1/2" Hole		VISC	350	DERRICK MAN	8
20		300	300			LINE SURVEY 40 4706-50		W L CC	100	COLMAN CURRY	8
21		300	800	4810		DRIG		FLTR CK	100	MOTOR MAN	8
22								P H	80	HELPER	8
23								MUD & CHEM ADDED		HELPER	8
24								TYPE	AMOUNT	HELPER	8
25										HELPER	8
26										HELPER	8
27										HELPER	8
28										HELPER	8
29										HELPER	8
30										HELPER	8
31										HELPER	8
32										HELPER	8
33										HELPER	8
34										HELPER	8
35										HELPER	8
36										HELPER	8
37										HELPER	8
38										HELPER	8
39										HELPER	8
40										HELPER	8
41										HELPER	8
42										HELPER	8
43										HELPER	8
44										HELPER	8
45										HELPER	8
46										HELPER	8
47										HELPER	8
48										HELPER	8
49										HELPER	8
50										HELPER	8

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME			HRS
18		800	845			RIG SEC 1130PS		WT	800	DRILLER	8
19		845	900	4810		DRIG 8 1/2" Hole		VISC	350	DERRICK MAN	8
20		900	930			LINE SURVEY @ 4828		W L CC	100	MOTOR MAN	8
21		930	1215	4860		DRIG 8 1/2" Hole		FLTR CK	100	HELPER	8
22		1215	100			CIRC 130MOM MAX 5 SHIP 11		P H	80	HELPER	8
23		100	400			DRIG 8 1/2" Hole		MUD & CHEM ADDED		HELPER	8
24								TYPE	AMOUNT	HELPER	8
25										HELPER	8
26										HELPER	8
27										HELPER	8
28										HELPER	8
29										HELPER	8
30										HELPER	8
31										HELPER	8
32										HELPER	8
33										HELPER	8
34										HELPER	8
35										HELPER	8
36										HELPER	8
37										HELPER	8
38										HELPER	8
39										HELPER	8
40										HELPER	8
41										HELPER	8
42										HELPER	8
43										HELPER	8
44										HELPER	8
45										HELPER	8
46										HELPER	8
47										HELPER	8
48										HELPER	8
49										HELPER	8
50										HELPER	8

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME			HRS
19		400	415			RIG SEC 1130PS		WT	800	DRILLER	8
20		415	730			DRIG 8 1/2" Hole		VISC	350	DERRICK MAN	8
21		730	1200	4860		LINE SURVEY @ 4828		W L CC	100	MOTOR MAN	8
22		1200	1200	4860		DRIG 8 1/2" Hole		FLTR CK	100	HELPER	8
23								P H	80	HELPER	8
24								MUD & CHEM ADDED		HELPER	8
25								TYPE	AMOUNT	HELPER	8
26										HELPER	8
27										HELPER	8
28										HELPER	8
29										HELPER	8
30										HELPER	8
31										HELPER	8
32										HELPER	8
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36										HELPER	8
37										HELPER	8
38										HELPER	8
39										HELPER	8
40										HELPER	8
41										HELPER	8
42										HELPER	8
43										HELPER	8
44										HELPER	8
45										HELPER	8
46										HELPER	8
47										HELPER	8
48										HELPER	8
49										HELPER	8
50										HELPER	8

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
440	1100	440	1100	440	1100
ROT R.P.M.		ROT R.P.M.		ROT R.P.M.	
20	50	20	50	20	50
POINTS WT		POINTS WT		POINTS WT	
440	40	440	40	440	40
LINER SIZE		LINER SIZE		LINER SIZE	
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2

SHUT OFF OK
S AND ETC
1088

CALGARY
THIS IS THE 33 DAY FROM SPUD DATE

BRINKERHOFF BROTHERS LTD.
EDMONTON
WELL
LSD
SEC
TWP
RNGE
COMPANY
W/ MER
PROVINCE
QUICK

RIG NO
TOOL PUSHER
42.4
Borehole

IN HOLE - END OF TOUR			BIT RECORD			TIME			DRILLED			FORMATION AND EXPLANATION			MUD RECORD		
NO	PIPE SIZE	FEET	RUN NO	SIZE		FROM	TO	FROM	TO					TIME	WT.	VISC	
48	4 1/2	444584	19	8 1/2		1200	1245	4938		DRG				6:00	400	26	
2	SNGLS D P			MFG		1245	115							6:05	36	26	
20	LGTH CLRS	59347		TYPE		115	800							6:10	35	26	
	KELLY IN	2783		SER NO				5058		DRG				6:15	34	26	
	OTHER	2084		DEPTH CUT	480250									6:20	33	26	
	TOTAL	5058.04		HOURS RUN	12									6:25	32	26	
DRILL COLLARS																	
NO	DIAMETER	LGTH		FOOTAGE													
18	6 1/2	55498		198										6:30	31	26	
1	8 1/2 SNG	2838		REAMER CUTTER NO										6:35	30	26	
1	8 1/2 SNG	1016		TYPE										6:40	29	26	
MORNING TOUR																	

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 30 DAY FROM SPUD DATE

WELL NO. 190-01 SEC 1 TWP 124-25 RANGE 124-25 COMPANY W. J. Amey & Co. W. W MER W PROVINCE ALBERTA

RIG NO. 42-1 TOOL JOBS 10-1

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION			MUD RECORD			D
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	VISC	W L CC	
36	STAND O P	415.54	17	8 1/2	12.00	12.15			Rie S&R		6.11				
2	SNGLS D P	30.14	REED		12.15	12.30			Run in w/ 13.714/17		6.9				
20	LNTH CLRS	59.47	TYPE		12.30	12.30			Ream to TD w/ SQUARE DC						
	KELLY IN	40.23	SER NO	185167	12.30	1.30	3893	3718	DRAC 540" HOLES						
	OTHER	20.86	DEPTH OUT		1.30	8.00			Circ & Survey @ 3978						
	TOTAL	392.56	HOURS RUN	5					DEVIATION						
	DRILL COLLARS			85					DEPTH DEGREES						
18	DIAMETER	55.79	FOOTAGE						3978		6.11				
1		38.38	REAMER CUTTER NO.						6.11		6.00				
		18.18	TYPE								6.11				
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IN HOLE - END OF TOUR				BIT RECORD				DAY TOUR				FORMATION AND EXPLANATION				MUD RECORD				DR							
NO	PIPE SIZE	FEET	RUN NO	SIZE	MFG	TYPE	SER NO	DEPTH OUT	HOURS RUN	FOOTAGE	REAMER NO	CUTTER TYPE	FROM	TO	DRILLED TO		TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	HELPER	DRILLER
18	4 1/2		17	8 1/2														8:30	400	330							DRILLER
1	SNGLS D P	347442			REED													400	330	34						DERRICK MAN	
20	LNTH CLRS	59347			REED													330	34	13						MOTOR MAN	
20	KELLY IN	3500					185167														42					HELPER	
20	OTHER	2096					41220															11				HELPER	
5	TOTAL	144275							11 1/4																		HELPER
DRILL COLLARS																											
NO	DIAMETER	LGTH	FOOTAGE																								
18	6 1/2	55493	219																								
1	8 1/2	38380																									
1	1 1/2	216																									

IN HOLE - END OF TOUR				BIT RECORD				EVENING TOUR				FORMATION AND EXPLANATION				MUD RECORD				DRILLER						
NO.	PIPE SIZE	FEET	RUN NO.	SIZE	TYPE	DEPTH OUT	HOURS RUN	FROM	TO	DRILLED TO						TIME	WT	VISC	W L CC	FLTR CK	B H	MUD & CHEM ADDED	TYPE	AMOUNT	HELPER	
39	4 1/2"	35.33	18	8 1/2"	REED			11.00	11.15			Big S&R				11.30	8 1/2								DRILLER	
20	LNTH CLRS	59.34						11.15	5.45			HOIST														DERRICK
	KELLY IN	28.00						6.00	6.00			SLIP 23' OF DRAINAGE														MOTOR
	OTHER	20.86						8.15	8.15			RUN IN & CLEAN 20' TO BTH														HELPER
	TOTAL	117.33						11.15	10.45			DATE														HELPER
	DRILL COLLARS	117.33						10.45	11.15			Run Survey														HELPER
	NO.	DIAMETER	LGTH	FOOTAGE	REAMER CUTTER NO.			11.15	12.00			DATE														HELPER
1		1 1/2"										DATE														HELPER

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

Main Tank - 4'4"

Small Tank - 3'

Small Tank - 3'

SLUSH PUMP RE

PUMP PRES		PUMP PRES	
12.50 PSI		12.5	
ROT R/W		ROT R/W	
60		60	
POINTS AT		POINTS AT	
10-12.12		20	
LINER SIZE		LINER SIZE	
4x8x100		11x9	

HOFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL NO. 120.0m SEC 60.200 TWP 124.250 RANGE W. MER

RIG NO. 42-11 DATE FEB. 23/69

BIT RECORD				MORNING TOUR				FORMATION AND EXPLANATION				MUD RECORD				DRLG CREW PAYROLL				HRS						
NO	TIME	FROM	TO	DRILLED	TO							TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER	HELPER
17	12:00	12:15				RIG SET		Run in w/ 13.75 ft 17				10:11										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
18	12:15	12:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
19	12:30	12:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
20	12:45	1:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
21	1:00	1:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
22	1:15	1:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
23	1:30	1:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
24	1:45	2:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
25	2:00	2:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
26	2:15	2:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
27	2:30	2:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
28	2:45	3:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
29	3:00	3:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
30	3:15	3:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
31	3:30	3:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
32	3:45	4:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
33	4:00	4:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
34	4:15	4:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
35	4:30	4:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
36	4:45	5:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
37	5:00	5:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
38	5:15	5:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
39	5:30	5:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
40	5:45	6:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
41	6:00	6:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
42	6:15	6:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
43	6:30	6:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
44	6:45	7:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
45	7:00	7:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
46	7:15	7:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
47	7:30	7:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
48	7:45	8:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
49	8:00	8:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
50	8:15	8:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
51	8:30	8:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
52	8:45	9:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
53	9:00	9:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
54	9:15	9:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
55	9:30	9:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
56	9:45	10:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
57	10:00	10:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
58	10:15	10:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
59	10:30	10:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
60	10:45	11:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
61	11:00	11:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
62	11:15	11:30				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
63	11:30	11:45				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
64	11:45	12:00				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER
65	12:00	12:15				Run in w/ 13.75 ft 17		Run in w/ 13.75 ft 17				6:4										DRILLER	DECKMAN	MOTOR MAN	HELPER	HELPER

BIT RECORD				DAY TOUR				FORMATION AND EXPLANATION				MUD RECORD				DRLG. CREW PAYROLL				HRS					
NO	TIME	FROM	TO	DRILLED	TO					TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	DRILLER	DERRICK MAN	MOTOR MAN	HELPER	HELPER		
17	8:00	8:00	9:30	3978		DRAG 8 1/2 HOLE				8:30	400	30			11			1000		DEAN DYER					8
8 1/2	9:30	9:45	1200			RIG SET & DOPS				9:30	30	30	13							GRANT WARD					8
REED	9:45	1200	1230			DRAG 8 1/2 HOLE																			8
YARD	1200	1230	4112			CIRC & SURVEY														DOUGLAS WILSON					8
NO	1230	330				DRAG 8 1/2 HOLE														PROB. MCD. EAM					5
1230	330	400				DRAG 8 1/2 HOLE																			5
11 1/2	400					DRAG 8 1/2 HOLE																			5
11 1/2	400					DRAG 8 1/2 HOLE																			5
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IN HOLE - END OF TOUR			BIT RECORD			TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD			DRILLER
NO	PIPE SIZE	FEET	RUN NO	SIZE		FROM	TO	FROM	TO			TINE			
36	STAND D P	3862.15	16	8 1/2		8.00	10.00			CHANGING IN WITH ROBERT'S STAND PIPE VALVE		WT			DRILLER
	SNGLS D P		ACED									VISC			DERRICK MAN
18	LNTH CLRS	55423	TYPE	4 1/2		10.00	10.30			PRESSURE TEST HYDRA		W L CC			MOTOR MAN
	KELLY IN	3100	SER NO	285811						6 H.R. 1500 PST HILL ON		FLTR CK			
30	OTHER	278	DEPTH OUT			10.30	11.00			CHANGING VALVE IN C&S BOWL		P H			HELPER
	TOTAL	3850.18	HOURS RUN	4	24.00							MUD & CHEM ADDED			HELPER
DRILL COLLARS												TYPE	AMOUNT		
NO	DIAMETER	LGTH	FOOTAGE			11.00	1.00			WORKING SINGAPORE AND					HELPER
18	6 1/2	58423	REAMER CUTTER NO	17		1.00	3.30			DRAG OUT HOLE SHAPE					
			TYPE	2 1/2	5-19	3.30	4.00			DRAG 8 1/2 HOLE					HELPER

[illegible]

TOUCH SHOE 3832

OFF BROTHERS LTD.

EMONTON

18th Ann Street Merivale

1900 Antler, Can

RIG NO

DATE FEB 22 / 69

DAY FROM SPUD DATE

60° 20' N 124° 02' W

Yukon

TOOL PUSHER

Howell Hester

BIT RECORD

NO

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRUG CREW PAYROLL

HRS

16

12:00 2:30

PRESSURE TEST BLIND RAMS
WHR 1500 PSI HOLD OK.

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER ISERT HEDIN 8
DERRICK GLEN CURLEY 8
MOTOR MAN GERRARD HILTON 8
HELPER PERRY SCHMIDT 8
HELPER MAURANDI MINER 8
HELPER

16

2:30 8:00

PICKED UP DOST RUN IN
PRESSURE UP ON PIPE RAMS
12 HR. HEAD OK.

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

8:00 10:00

CHANGING W/ NEW ROBBERS
STAND PIPE WALLS

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

10:00 11:00

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

11:00 1:00

CHANGING W/ NEW ROBBERS
STAND PIPE WALLS

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

1:00 3:30

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

3:30 4:00

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

4:00 4:15

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

4:15 4:30

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

4:30 4:45

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

4:45 5:00

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

5:00 5:15

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

5:15 5:30

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

5:30 5:45

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

5:45 6:00

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

6:00 6:15

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

6:15 6:30

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

6:30 6:45

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

6:45 7:00

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

7:00 7:15

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

16

7:15 7:30

PRESSURE TEST HYDRA
WHR 1500 PSI HOLD OK

TIME WT VISC W L CC FLTR CK P H MUD & CHEM ADDED TYPE AMOUNT

DRILLER GERRY DIXON 8
DERRICK MARY WARD 8
MOTOR MAN JULIAN HISHUA 8
HELPER FLOYD MACLEAN 8
HELPER GEO S HERSHEN 8
HELPER

EDMONTON

60° 20' N 124° 25' W

COMPANY	W	MER	PROVINCE
pas. American			quiro

4-2-7
TOOL POSTER

[illegible]

REMARKS (REPAIRS ACCIDENTS AND ETC.)		SLUSH PUMP RECORD	
MORNING TOUR		DAY TOUR	
PUMP SPEED	PSI	PUMP SPEED	
ROTARY		ROTARY	
PC. 15.5 M ³		PC. 15.5 M ³	
LINER SIZE		LINER SIZE	

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL-AM 5146- McKEILL A.1
D 60° 25' N SEC 124-25-20

COMPANY
W. MER
PROVINCE
QUEBON

RIG NO. 24-14 DATE 5.3.21/69
TOOLPOSSHER
Operator

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
				TIME	AMOUNT		
	12:00	8:00	W/OE SET OSC SKITS & CUT OFF OSC.	WT		DRILLER BRET HEDIN	
				VISC		DERRICK ALLEN CURELY	
				W L CC		EXAMINER K. H. HARRISON	
				FLTR CK		HELPER F. J. S. S. S.	
				P H		HELPER K. H. HARRISON	
				MUD & CHEM ADDED			
				TYPE	AMOUNT		
						HELPER	
						HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
				TIME	AMOUNT		
	8:00	4:00	Mudding up bops.	WT		DRILLER BARRY DUNN	8
		38		VISC		DERRICK BART WARD	8
		33		W L CC		MOTOR MAN JULIAN HISHUR	10
				FLTR CK		HELPER E. J. D. MACKAN	8
				P H		HELPER J. E. D. MACKAN	8
				MUD & CHEM ADDED		HELPER J. E. D. MACKAN	8
				TYPE	AMOUNT		
						HELPER	
						HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
				TIME	AMOUNT		
	10:15	10:15	NIPPLE UP BOPS	WT		DRILLER J. E. D. MACKAN	8
	10:15	10:15	CHANGE VALVE TO ESTHANGER.	WT		DERRICK J. E. D. MACKAN	14
	10:15	10:15	PSI UP ON BLIND RAMS	WT		MOTOR MAN J. E. D. MACKAN	18
	10:15	10:15	4 REPAIR LERMS	WT		HELPER J. E. D. MACKAN	8
				P H		HELPER J. E. D. MACKAN	8
				MUD & CHEM ADDED		HELPER J. E. D. MACKAN	8
				TYPE	AMOUNT		
						HELPER	
						HELPER	

SLUSH PUMP RECORD			
MORNING TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI
ROT. RPM		ROT. RPM	
PUMP WT		PUMP WT	
LINER SIZE		LINER SIZE	

Pen and Request continuing

Handwritten notes

PAN AMERICAN PETROLEUM CORPORATION

PIPE TALLY AND CEMENTING RECORD

LEASE: Pan Am SNELL MERRILL WELL NO A-1 DATE FEB 19 1969

PIPE RUN SIZE 9 5/8 WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ H2O FT _____

PIPE RUN SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ H2O FT _____

LENGTH OF JOINT			LENGTH OF JOINT			LENGTH OF JOINT			LENGTH OF JOINT			LENGTH OF JOINT			LENGTH OF JOINT			TOTAL OF JOINTS NOT RUN		
NO	FEET	IN	NO	FEET	IN	NO	FEET	IN	NO	FEET	IN	NO	FEET	IN	NO	FEET	IN	NO	FEET	IN
1	41	32	31	29	83	101			151	26	69	201								
2	39	91	32	33	35	102			152	27	05	202	32	05				32	97	
3	39	09	33	32	50	103			153	26	34	203	31	30				32	21	
4	40	48	34	31	35	104			154	26	24	204	41	85				25	04	
5	34	25	35	31	67	105			155	26	39	205	100					40	28	
6	37	15	36	32	36	106			156	26	93	206	CUT OFF					32	96	
7	38	43	37	30	82	107			157	26	54	207	100					45	27	
8	42	65	38	37	34	108			158	26	14	208						44	51	
9	39	35	39	33	98	109			159	26	73	209						28	70	
10	41	50	40	31	75	110			160	25	70	210						41	85	
11	43	14	41	31	10	111			161	27	80	211						37	10	
12	43	13	42	33	09	112			162	27	03	212						42	13	
13	39	47	43	29	49	113			163	27	40	213						42	25	
14	41	41	44	32	20	114			164	26	00	214						42	23	
15	39	60	45	32	05	115			165	26	43	215						41	87	
16	45	41	46	30	04	116			166	27	35	216						42	27	
17	30	85	47	43	50	117			167	26	68	217						41	66	
18	37	61	48	32	93	118			168	27	48	218						42	20	
19	33	97	49	30	38	119			169	27	80	219						42	25	
20	28	68	50	31	73	120			170	26	38	220						42	22	
21	37	70	51	32	30	121			171	25	54	221						42	18	
22	32	70	52	32	45	122			172	27	64	222						42	28	
23	31	65	53	32	97	123			173	25	09	223						29	29	
24	30	17	54	32	21	124			174	27	60	224						33	83	
25	29	30	55	25	04	125			175	26	62	225						32	04	
26	36	05	56	40	28	126			176	29	51							1025	83	
27	29	00	57	32	96	127			177	25	38									
28	29	15	58	45	27	128			178	25	64							NO JOINTS DELIVERED	4888	43
29	30	59	59	44	51	129			179	27	24							NO JOINTS RUN	3862	60
30	39	55	60	28	70	130			180	27	11							BAKER FLOAT SHOE	7.80	
31	29	63	61	41	85	131			181	27	14							FLAT CEMENT	1.96	
32	30	37	62	37	10	132			182	25	96							TOTAL RUN - OVERALL	3866	32
33	39	85	63	42	85	133			183	28	30							OFF FOR THREADS	4829	
34	28	93	64	42	25	134			184	26	90							TOTAL - THREADS OFF	3818	03
35	35	77	65	42	23	135			185	26	21							TOP PIPE BELOW	13	50
36	30	69	66	41	87	136			186	25	70							ROTARY DRIVE BUSHING		
37	38	97	67	42	27	137			187	27	19							DERRICK FLOOR		
38	29	15	68	41	66	138			188	26	30							DEPTH LANDED	3831	53 K.B
39	36	35	69	42	20	139			189	27	09							CEMENT - MAKE	6000	46.2
40	40	17	70	42	25	140			190	26	34							KIND USED	FLU	
41	32	58	71	42	22	141			191	29	29							NO SACKS	800	NEAR 2000 6% GEL
42	31	63	72	42	18	142			192	33	38							METHOD	2	FLU
43	32	01	73	42	28	143			193	32	04							REMARKS	FLU 2000 6% GEL	
44	30	35	74	41	45	144			194	32	05							BUMPED WITH	900 PSI	
45	32	31	75	39	64	145			195	31	30							FLU 2000 6% GEL		
46	31	63	76	41	01	146			196	42	10							FLU 2000 6% GEL		
47	26	11	77	39	80	147			197	41	69							FLU 2000 6% GEL		
48	32	17	78	26	56	148			198	41	89							FLU 2000 6% GEL		

Cut off →

[illegible]

1752 60

1782 45

1353 364

APPROVED

PAN AMEF

BRINKERHOFF PROOTHERS LTD.

CALCANY

EDMONTON

THIS IS THE 21

DAY FROM SPUD DATE

W.P.L. 1200 AM SHELL M/R
LSD 60° 20' SEC
TWP 124-23 N

RANGE A.1
W. MER
PROVINCE ALBERTA

RIG NO. 44-11
TOOL PUSHER

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DR	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	TYPE	DR
STAND D P				1200	800			3833	Running 9 1/2 Csg.				DRILLER B
SNGLS D P													DERRICK MAN
LNTH CLRS													MOTOR MAN
KELLY IN													HELPER
OTHER													HELPER
TOTAL													HELPER
DRILL COLLARS													HELPER
NO DIAMETER													HELPER
FOOTAGE													HELPER
REAMER CUTTER NO													HELPER
TYPE													HELPER

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DR	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	TYPE	DR
STAND D P				800	100			3833	Running 9 1/2 Csg				DRILLER
SNGLS D P				4100	350				CING & C 56				DERRICK MAN
LNTH CLRS				330	400				Agging up TREATMENT				MOTOR MAN
KELLY IN													HELPER
OTHER													HELPER
TOTAL													HELPER
DRILL COLLARS													HELPER
NO DIAMETER													HELPER
FOOTAGE													HELPER
REAMER CUTTER NO													HELPER
TYPE													HELPER

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DR	
PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	TYPE	DR
STAND D P				400	530			3833	MIX CEMENT & Pump Down				DRILLER
SNGLS D P				530	1000				Pine W.O.E.				DERRICK MAN
LNTH CLRS													MOTOR MAN
KELLY IN													HELPER
OTHER													HELPER
TOTAL													HELPER
DRILL COLLARS													HELPER
NO DIAMETER													HELPER
FOOTAGE													HELPER
REAMER CUTTER NO													HELPER
TYPE													HELPER

REMARKS (REPAIRS ACCIDENTS AND ETC.)

Main Tank - 8'13"

Cylinders - 3'9"

Camp - 3'1"

Pan Am Registered overland

Leaves 3 Feb 1969

Start the Flow Style Treatment
Stops the Flow Start in Pressure 300 PSI

DEVIATION DEGREES

MORNING TOUR		DAY TOUR	
PUMP PRES	PS	PUMP PRES	PS
ROT RPM		ROT RPM	
POINTS WT		POINTS WT	
LINE SIZE		LINE SIZE	

OFF PROOTHERS LTD.

EDMONTON
AY FROM SPUD DATE

1200-AM-5466 Mm
LSD 60.20W
TWP 124-33 N
RNGE A.1
COMPANY Pan American
W/ MER
PROVINCE Yukon

RIG NO. 4211
TOOL PUSHER
DATE Feb 20/69
WATER O'Brien

BIT RECORD	TIME		DRILLED FROM	TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	HRS
	FROM	TO				TIME	AMOUNT		
	1200	800	3833		Running 9 3/4 Csg.	WT		DRILLER BEER HADIN	16
						VISC		DERRICK GLENN CURLEY	9
						W L CC		PROBMAN PROBMAN	16
						FLTR CK		HELPER PERCY SCHULTZ	12
						P H		HELPER LAWRENCE NUNNEL	16
						MUD & CHEM ADDED		HELPER	
						TYPE	AMOUNT	HELPER	
								HELPER	

BIT RECORD	TIME		DRILLED FROM	TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	HRS
	FROM	TO				TIME	AMOUNT		
	800	100	3833		Running 9 3/4 Csg	WT		DRILLER BERRYLIN	10
	4100	330			C IAC - C S G	VISC		DERRICK GRANT WARD	10
	330	400			Running up to cement	W L CC		MOTOR DUBIAL HIRSHEN	10
						FLTR CK		HELPER TROY MACLEAN	10
						P H		HELPER GLEO SHEARS VENO	
						MUD & CHEM ADDED		HELPER	
						TYPE	AMOUNT	HELPER	
								HELPER	

BIT RECORD	TIME		DRILLED FROM	TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	HRS
	FROM	TO				TIME	AMOUNT		
	400	530	3833		Mix Cement + Pump Down	WT		DRILLER JERRY JACOBSEN	8
	530	1000			W L CC	VISC		DERRICK HARVEY DOCKEN	16
						W L CC		MOTOR MAN MOONHOUSE	8
						FLTR CK		HELPER E EUGENHART	16
						P H		HELPER JOHN DE BAAR	16
						MUD & CHEM ADDED		HELPER	
						TYPE	AMOUNT	HELPER	
								HELPER	

EVENING TOUR

DAY TOUR

MORNING TOUR

Start 400 from still present
5000s for there Start in Reservoir 300 PSI
CA 3000

DEVIATION
DEPTH DEGREES

MUD RECORD
TIME AMOUNT

DRLG CREW PAYROLL
HRS

AND ETC

5'13"
3'9"
3'1"

Pan Am Requested overland

SLUSH PUMP RECORD

MORNING TOUR
PUMP PRES PSI
ROT R.P.M.
POINTS WT
LINER SIZE

EVENING TOUR
PUMP PRES PSI
ROT R.P.M.
POINTS WT
LINER SIZE

See Log for details

WELL				COMPANY	
LSD	SEC	TWP	RNGE	N	MER
140	2	2	2		
Pay Am Steel Merrill A-1				Pay American	

REC'D
TOOL
DUST

WHL	COMPANY	
Don Am Shell	Don American	
LSD	W	PROVINCE
SEC	MER	Yorcon
60° - 80° N	124° - 25° W	
TWP	RNGE	

[illegible]

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/01	OPENING BALANCE	100.00	100.00
1/15/01	PAYROLL	50.00	50.00
2/1/01	RECEIVED	25.00	75.00
2/15/01	PAYROLL	50.00	25.00
3/1/01	RECEIVED	25.00	0.00
3/15/01	PAYROLL	50.00	50.00
4/1/01	RECEIVED	25.00	75.00
4/15/01	PAYROLL	50.00	25.00
5/1/01	RECEIVED	25.00	0.00
5/15/01	PAYROLL	50.00	50.00
6/1/01	RECEIVED	25.00	75.00
6/15/01	PAYROLL	50.00	25.00
7/1/01	RECEIVED	25.00	0.00
7/15/01	PAYROLL	50.00	50.00
8/1/01	RECEIVED	25.00	75.00
8/15/01	PAYROLL	50.00	25.00
9/1/01	RECEIVED	25.00	0.00
9/15/01	PAYROLL	50.00	50.00
10/1/01	RECEIVED	25.00	75.00
10/15/01	PAYROLL	50.00	25.00
11/1/01	RECEIVED	25.00	0.00
11/15/01	PAYROLL	50.00	50.00
12/1/01	RECEIVED	25.00	75.00
12/15/01	PAYROLL	50.00	25.00
1/1/02	RECEIVED	25.00	0.00

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PUMP PRESS	1100	PSI	PUMP PRESS
ROT RPM			ROT RPM

POINTE WHITE	POINTE WHITE
LINE SIZE	LINE SIZE

HOFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL
LSD
SEC
TWP
RNGE
W
MER
PROVINCE
Yukon

RIG NO
DATE
TOOL JOBSHER
DRILLER
DERRICK
MOTOR
HELPER
HELPER
HELPER

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	NO	FROM	TO	FROM	TO			TIME	AMOUNT		HRS
		12.00	2.15			Run in w/ B.T. - Come here for Casing.		380		DRILLER	8
		2.15	2.30			Clear 15' hole to B.T.		9.44		DERRICK	8
		2.30	5.00			Clear to clean hole		34		MOTOR	8
		5.00	5.15			Dranner Dummy Trip - Hole Tight				HELPER	8
		5.15	6.45			Clear - about 1/2" hole				HELPER	8
		6.45	8.00			20 ft Dummy Trip				HELPER	8
										HELPER	

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	NO	FROM	TO	FROM	TO			TIME	AMOUNT		HRS
		8.00	8.30			FINISH TRIP Clear out 80' to TD.		9.4		DRILLER	8
		8.30	9.30			Clear to Run 9 1/2" Csg.		36		DERRICK	8
		9.30	10.00			Weld mud manifold				MOTOR	8
		10.00	11.30			Clear				HELPER	8
		11.30	1.30			Ab. st				HELPER	8
		1.30	3.30			Key down 7 D.C.S.				HELPER	8
		3.30	4.00			Rig to Run Csg				HELPER	8

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	NO	FROM	TO	FROM	TO			TIME	AMOUNT		HRS
		4.00	6.00			Agging up to Run Csg @				DRILLER	8
		6.00	12.00			Changing pipe RANS				DERRICK	8
						Mixed on photo @ shoe @				MOTOR	8
						Run Csg				HELPER	8

MORNING TOUR		EVENING TOUR	
PSI	PUMP PRES	PSI	PUMP PRES
1100			

MORNING TOUR		EVENING TOUR	
PSI	PUMP PRES	PSI	PUMP PRES
1100			

NO. 1

TOOL PUSHER

[illegible][illegible]

CAMP 1 3'2"

Alfred

MORNING TOUR			DAY TOUR		
PUMP PRES		PSI	PUMP PRES		
ROT R P M			ROT R P M		
POINTS WT			POINTS WT		
LINE SIZE			LINE SIZE		

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT R P M		ROT R P M		ROT R P M	
POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE	

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 25 DAY FROM SPUD DATE

WELL No. 100-20-1
 SEC 104-25-1
 TWP 104-25-1
 RANGE 104-25-1
 COMPANY F.M. AMERICAN
 W. MER
 PROVINCE ALBERTA

RIG NO. 42-4
 TOOL PUSHER 14000

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				D			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	SER NO	DEPTH OUT	FROM	TO	FROM	TO	FROM	TO	FROM	TO	TIME	WT	VISC	FLTR CK	P H	MUD & CHEM. ADDED	TYPE	AMOUNT	DRILLER	DECK	W	W
36	STAND D P	15	12 1/4	54.4				18.00	12.15							12.00	300	130						DRILLER	CE		
1	SNGLS D P	3190.33	MFG					12.15	3.00							9.5	9.5	16.5						DERRICK	W		
16	LNTH CLRS	479.18	TYPE					3.00	4.30							3.34	33	3.5						MOTOR W	W		
	KELLY IN	41.00	SER NO					4.30	5.00															HOLDER	W		
	OTHER	22.49	DEPTH OUT					5.00	8.00															HELPER	W		
	TOTAL	333.44	HOURS RUN																					HELPER	W		
	DRILL COLLARS		FOOTAGE																					HELPER	W		
	DIAMETER	11 1/4	REAMER CUTTER NO																					HELPER	W		
	NO	9 1/4	TYPE																					HELPER	W		
	PIPE SIZE	FEET	RUN NO	15																				DRILLER	W		
	STAND D P	12 1/4	SIZE					8.00	10.45															DERRICK	W		
	SNGLS D P	54.4	MFG					10.45	11.00															DERRICK	W		
	LNTH CLRS	419.65	TYPE					11.00	2.00															DERRICK	W		
	KELLY IN	98.439	SER NO					2.00	4.00															DERRICK	W		
	OTHER		DEPTH OUT																					DERRICK	W		
	TOTAL	114.4	HOURS RUN																					DERRICK	W		
	DRILL COLLARS		FOOTAGE																					DERRICK	W		
	DIAMETER	12 1/4	REAMER CUTTER NO																					DERRICK	W		
	NO		TYPE																					DERRICK	W		

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				D			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	SER NO	DEPTH OUT	FROM	TO	FROM	TO	FROM	TO	FROM	TO	TIME	WT	VISC	FLTR CK	P H	MUD & CHEM. ADDED	TYPE	AMOUNT	DRILLER	DECK	W	W
	STAND D P	12 1/4	SIZE					8.00	10.45															DRILLER	W		
	SNGLS D P	54.4	MFG					10.45	11.00															DERRICK	W		
	LNTH CLRS	419.65	TYPE					11.00	2.00															DERRICK	W		
	KELLY IN	98.439	SER NO					2.00	4.00															DERRICK	W		
	OTHER		DEPTH OUT																					DERRICK	W		
	TOTAL	114.4	HOURS RUN																					DERRICK	W		
	DRILL COLLARS		FOOTAGE																					DERRICK	W		
	DIAMETER	12 1/4	REAMER CUTTER NO																					DERRICK	W		
	NO		TYPE																					DERRICK	W		

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				D			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	SER NO	DEPTH OUT	FROM	TO	FROM	TO	FROM	TO	FROM	TO	TIME	WT	VISC	FLTR CK	P H	MUD & CHEM. ADDED	TYPE	AMOUNT	DRILLER	DECK	W	W
	STAND D P	12 1/4	SIZE					4.00	11.30															DRILLER	W		
	SNGLS D P	54.4	MFG					11.30	12.00															DERRICK	W		
	LNTH CLRS	419.65	TYPE																					DERRICK	W		
	KELLY IN	98.439	SER NO																					DERRICK	W		
	OTHER		DEPTH OUT																					DERRICK	W		
	TOTAL	114.4	HOURS RUN																					DERRICK	W		
	DRILL COLLARS		FOOTAGE																					DERRICK	W		
	DIAMETER	12 1/4	REAMER CUTTER NO																					DERRICK	W		
	NO		TYPE																					DERRICK	W		

REMARKS (REPAIRS ACCIDENTS AND ETC.)
 LARGE TANK 6'5" No Change in Pipe today

SMALL 4'9" 3'2"

Comp. 3'2"

Slush Pump 150 PS

Slush Pump 150 PS

Slush Pump 150 PS

Slush Pump 150 PS

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

BIT RECORD

NO	15	12.14	5.25	4.30	5.00	11.44	12.7	
TIME	12.00	12.15	3.00	4.30	5.00			
FROM								
TO								
DRILLED								
FORMATION AND EXPLANATION	Ria See 18.0.15 Cure. Good mud hole to log 20 ft. Pump trip changed 15' fill to 6 ft. Mud. Mud.							
DEVIATION								
DEPTH								
DEGREES								
MUD RECORD	TIME 12.00	3.00	4.30	5.00	11.44	12.7		
WT	9.5	9.5	9.5	9.5	9.5	9.5		
VISC	34	33	33	33	33	33		
FLTR CK	33	33	33	33	33	33		
P H	76	76	76	76	76	76		
MUD & CHEM. ADDED	SPECIAL 4055 CEL 5000 CMC 300							
DRG. CREW PAYROLL	DRILLER CLIVE Bayley	8	DERRICK PAUL GAYSON	8	MOTOR MERRICK ROGERS	8	HELPER BEN SURLEY	8
HELPER	JIM ZAGAR							

BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL		HRS
NO		FROM	TO	FROM				TIME		DRILLER		
15			10:45	3533		Circled Mix mud		4:00	10:00	BOB HEDIN	8	
12:41			11:00			DROP SURVEY		9:4	9:5			
5:25			2:00			Hole 1st & Measure to loc.		VISC	37 38	GLENN GURLEY	8	
11:05			4:00			Rig to loc & Measure		W L CC	9:49-10:30	MERRICK ROGERS	8	
9:4:39								FLTR CK	37 2	BEN SURLEY	8	
OUT								P H	76 76	PAUL SCHWARTZ	8	
S RUN	11:41							MUD & CHEM. ADDED		LAURENCE MILLER	8	
AGE	12:7							TYPE	AMOUNT			
ER								DEPTH	DEGREES			
R NO								3533	6			
								1795'	17:00	10:00	HELPER	
								2:00			HELPER	

BIT RECORD		TIME		FROM		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL		HRS
NO		FROM	TO							TIME	WT		DRILLER	
		4:00	11:30	38.33				LOGGING					BERRY D. HAY	8
		11:30	12:00					RIGGING OUT	3830-516'				DERRICK MANN	8
													BRANT WARD	8
													MOTOR MANN	8
													WILLIAM HARRIS	8
													FLYNN MACK	8
													EBEN	8
													DOE SHIFFERSON	8
													HELPER	
													HELPER	
													HELPER	

No Change in Pipe Gang

SLUSH PUMP RECORD

MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES 150 PSI	PUMP PRES PSI	PUMP PRES PSI
ROT R.P.M.	ROT R.P.M.	ROT R.P.M.
POINTS WT	POINTS WT	POINTS WT
LINER SIZE 4 1/2 x 70	LINER SIZE	LINER SIZE

BRINKERHOFF BROTHERS LTD.

CALGARY
THIS IS THE 23 DAY FROM SPUD DATE

WELL Red River South Main 0.1
LSD 60°-20N SEC 124°-25W
COMPANY Red River
W W MER W PROVINCE Manitoba

R.O. NO. 424
TOOL JOBS NO. 100

IN HOLE - END OF TOUR			BIT RECORD			TIME		DRILLED		FORMATION AND EXPLANATION			MUD RECORD															
NO	PIPE SIZE	FEET	RUN NO	SIZE	MFG	TYPE	SER NO	DEPTH OUT	HOURS RUN	FOOTAGE	REAMER CUTTER NO	TYPE	FROM	TO	FROM	TO	TIME	WT	VISC	W 33C IN	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	DRILLER	HELPER	
34	4 1/2" FH	3020.93	14	18 1/4	SEC	14416		12.15.01					12.00	12.15	3495	3535	Rig Sec 1 B.O.R.	9.6	9.5	9.5	38	35	38			CE		
16	4 1/2" FH	472.89											12.15	2.30			DATA 12 1/4 HOURS											DERRICK
16	4 1/2" FH	15.00											2.30	2.10			LINE SURVEY											MOTOR
16	4 1/2" FH	15.00											2.40	9.00	3535	3600	DATA											HELPER
5 F OTHER		27.68															SURVEY											
TOTAL																												
DRILL COLLARS																												
NO	DIAMETER	LGTH																										
1	1 1/2"	23.54																										
2	2"	21.93																										
3	3 3/4"	25.20																										

IN HOLE - END OF TOUR										BIT RECORD		RD			
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	DEPTH OUT	SER NO	FROM	TO	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD		DR	
34	4 1/2" FH	313928	14	12 1/4	SEC	8.00	8.15	8.00	8.15	3600	3687	RIG SEC V 1300'S V SURVEY	TIME 11.00	DRILLER	
2	SNGLS DP		MFG			8.15	3.20					VISC 98	76	36	DERRICK
16	LENGTH CLRS	47968	TYPE	MAVCS		330	4.00					W L CC 300	7.6		EXPENS
	KELLY IN		SER NO	106301								FLTR CK	7.6		
	OTHER	2789	DEPTH OUT									P H 26	7.6		HELPER
	TOTAL	868204	HOURS RUN	33 1/4								MUD & CHEM ADDED			HELPER
	DRILL COLLARS											TYPE	AMOUNT		HELPER
NO	DIAMETER	LGTH	FOOTAGE	426								DEPTH	DEGREES		HELPER
1	11	80.50	BEAVER												HELPER
2	9	8143	CUTTER NO												HELPER
3	2 1/4	8500	TYPE												HELPER

9 IN HOLE - END OF 37825										BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD					
NO	PIPE SIZE	FEET	RUN NO	SIZE	TYPE	DEPTH OUT	SER NO	FROM	TO	FROM	TO	FORMATION AND EXPLANATION	TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	DRILLER	
35	4 1/2	318251	14	18 1/4	SEC	4.00	4.15	4.00	4.15			RIG SER & SURVEY 3607	11.00	95	95							DRILLER	
	STAND D.P.											DRY	7.00									DERRICK	
	SNGLS D.P.											LINE & MIXING MUD	8.30									MOTOR	
	LNTH CLRS	47968			MUNE							SURVEY	8.45									HELPER	
	KELLY LN	2800				186301						HOIST PIPE FOR NEW BIT										FLTR	
67083	INNER	27899				3706						PUMPING OUT 16										HELPER	
308	TOTAL	321508				36						SNGLS										FLTR	
DRILL COLLARS																							
NO	DIAMETER	LGTH																					
1	11	99.50																					
2	9	87.33																					
3	7 1/2	85.00																					
			TYPE		3-13																		
EVENING TOUR																							

REPAIRS, ACCIDENTS AND ETC.	
8.5 TANK	5'2"
5M11. "	3'9"
CAMP 11.	3'3"

HOFF BROTHERS LTD.										EDMONTON		WELL		COMPANY		RIG NO.		DATE	
DAY FROM SPUD DATE										LSD		SEC		TWP		RANGE		PROVINCE	
										60°-20'N		124°-25'W		124°-25'W		4424		July 14-62	
BIT RECORD										TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
N NO 14 SIZE 12 1/4 SEC 3495 PE 3535 R NO 126301 PTH OUT 26 CURS RUN 239 OTAGE 239 AMER 239 TTER NO 239										FROM 1200 TO 1215		FROM 3495 TO 3535		Rig Sec 126301 Dare 124th Well Line Survey Dare Survey		TIME 1200 400 700 WT 9.6 9.5 9.4 VISC 38 35 38 W 33cc 7min FLTR CK X2 P H 7.6 7.6 7.8 MUD & CHEM ADDED TYPE AMOUNT GEL 2500# BENEY 10# 500A 200 #		DRILLER Cliff Bayley DERRICK Paul Grayson MOTOR M. Harold Rogers HELPER Ben Surley HELPER Jim Lajac HELPER	
MORNING TOUR										TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
N NO 14 SIZE 12 1/4 SEC 3495 PE 3535 R NO 126301 PTH OUT 26 CURS RUN 239 OTAGE 239 AMER 239 TTER NO 239										FROM 800 TO 815		FROM 3600 TO 3687		Rig Sec 126301 Dare 124th Well Line Survey Dare Survey		TIME 800 815 WT 9.6 9.5 9.4 VISC 38 35 38 W 33cc 7min FLTR CK X2 P H 7.6 7.6 7.8 MUD & CHEM ADDED TYPE AMOUNT GEL 2500# BENEY 10# 500A 200 #		DRILLER Cliff Bayley DERRICK Paul Grayson MOTOR M. Harold Rogers HELPER Ben Surley HELPER Jim Lajac HELPER	
DAY TOUR										TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
N NO 14 SIZE 12 1/4 SEC 3495 PE 3535 R NO 126301 PTH OUT 26 CURS RUN 239 OTAGE 239 AMER 239 TTER NO 239										FROM 800 TO 815		FROM 3600 TO 3687		Rig Sec 126301 Dare 124th Well Line Survey Dare Survey		TIME 800 815 WT 9.6 9.5 9.4 VISC 38 35 38 W 33cc 7min FLTR CK X2 P H 7.6 7.6 7.8 MUD & CHEM ADDED TYPE AMOUNT GEL 2500# BENEY 10# 500A 200 #		DRILLER Cliff Bayley DERRICK Paul Grayson MOTOR M. Harold Rogers HELPER Ben Surley HELPER Jim Lajac HELPER	
EVENING TOUR										TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL	
N NO 14 SIZE 12 1/4 SEC 3495 PE 3535 R NO 126301 PTH OUT 26 CURS RUN 239 OTAGE 239 AMER 239 TTER NO 239										FROM 410 TO 415		FROM 3600 TO 3687		Rig Sec 126301 Dare 124th Well Line Survey Dare Survey		TIME 410 415 WT 9.6 9.5 9.4 VISC 38 35 38 W 33cc 7min FLTR CK X2 P H 7.6 7.6 7.8 MUD & CHEM ADDED TYPE AMOUNT GEL 2500# BENEY 10# 500A 200 #		DRILLER Cliff Bayley DERRICK Paul Grayson MOTOR M. Harold Rogers HELPER Ben Surley HELPER Jim Lajac HELPER	

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL

Run Am-Swell Merak A-1

COMPANY

Run

American

PROVINCE

Yukon Terr.

THIS IS THE 21 DAY FROM SPUD DATE

LSD 60-2nd 1240-25 W.

RANGE

W

MER

YUKON TERR.

42.4

TOOL PUSH

IN HOLE - END OF TOUR

BIT RECORD

TIME

DRILLED

FORMATION AND EXPLANATION

MUD RECORD

D

PIPE SIZE 4 1/2 FEET

RUN NO

13

1200 1:30

3190 3203

DRILLING

TIME 1200 300 700

CRILLER

STAND D P

SIZE

12 1/4

1:30 1:45

3190 3203

DRILLING

WT 9.5 9.5 9.5

DERRICK

SNGLS D P

MFG

R&B

1:45 1:45

3190 3203

DRILLING

VISC 40 41 38

MOTOR

LNGTH CLRS

TYPE

YMG-3

1:45 1:45

3190 3203

DRILLING

FLTR CK 40 41 38

HELPER

KELLY IN

SER NO

486452

1:45 1:45

3190 3203

DRILLING

P H 7.6 7.6 7.6

HELPER

TOTAL

HOURS RUN

35

1:45 1:45

3190 3203

DRILLING

MUD & CHEM ADDED

HELPER

DRILL COLLARS

FOOTAGE

263

1:45 1:45

3190 3203

DRILLING

TYPE

HELPER

DIAMETER

REAMER

263

1:45 1:45

3190 3203

DRILLING

DEPT

HELPER

CUTTER NO

TYPE

263

1:45 1:45

3190 3203

DRILLING

DEPT

HELPER

IN HOLE - END OF TOUR

BIT RECORD

TIME

DRILLED

FORMATION AND EXPLANATION

MUD RECORD

D

PIPE SIZE 4 1/2 FEET

RUN NO

13

800 900

3223 3233

DRILLING

TIME 800 900 100

DRILLER

STAND D P

SIZE

12 1/4

900 930

3223 3233

DRILLING

WT 9.5 9.5 9.5

DERRICK

SNGLS D P

MFG

R&B

930 115

3233 3261

DRILLING

VISC 35 37 37

MOTOR

LNGTH CLRS

TYPE

YMG-3

115 145

3233 3261

DRILLING

FLTR CK 40 41 38

HELPER

KELLY IN

SER NO

486452

145 145

3233 3261

DRILLING

P H 7.6 7.6 7.6

HELPER

TOTAL

HOURS RUN

3934

145 145

3233 3261

DRILLING

MUD & CHEM ADDED

HELPER

DRILL COLLARS

FOOTAGE

301

145 145

3233 3261

DRILLING

TYPE

HELPER

DIAMETER

REAMER

301

145 145

3233 3261

DRILLING

DEPT

HELPER

CUTTER NO

TYPE

301

145 145

3233 3261

DRILLING

DEPT

HELPER

IN HOLE - END OF TOUR

BIT RECORD

TIME

DRILLED

FORMATION AND EXPLANATION

MUD RECORD

D

PIPE SIZE 4 1/2 FEET

RUN NO

14

400 600

3233 3261

DRILLING

TIME 400 600 700

DRILLER

STAND D P

SIZE

12 1/4

600 800

3233 3261

DRILLING

WT 9.5 9.5 9.5

DERRICK

SNGLS D P

MFG

R&B

800 900

3233 3261

DRILLING

VISC 40 41 38

MOTOR

LNGTH CLRS

TYPE

YMG-3

900 1030

3233 3261

DRILLING

FLTR CK 40 41 38

HELPER

KELLY IN

SER NO

136301

1030 1030

3233 3261

DRILLING

P H 7.6 7.6 7.6

HELPER

TOTAL

HOURS RUN

1030

1030 1030

3233 3261

DRILLING

MUD & CHEM ADDED

HELPER

DRILL COLLARS

FOOTAGE

1030

1030 1030

3233 3261

DRILLING

TYPE

HELPER

DIAMETER

REAMER

1030

1030 1030

3233 3261

DRILLING

DEPT

HELPER

CUTTER NO

TYPE

1030

1030 1030

3233 3261

DRILLING

DEPT

HELPER

IN HOLE - END OF TOUR

BIT RECORD

TIME

DRILLED

FORMATION AND EXPLANATION

MUD RECORD

D

PIPE SIZE 4 1/2 FEET

RUN NO

14

400 600

3233 3261

DRILLING

TIME 400 600 700

DRILLER

STAND D P

SIZE

12 1/4

600 800

3233 3261

DRILLING

WT 9.5 9.5 9.5

DERRICK

SNGLS D P

MFG

R&B

800 900

3233 3261

DRILLING

VISC 40 41 38

MOTOR

LNGTH CLRS

TYPE

YMG-3

900 1030

3233 3261

DRILLING

FLTR CK 40 41 38

HELPER

KELLY IN

SER NO

136301

1030 1030

3233 3261

DRILLING

P H 7.6 7.6 7.6

HELPER

TOTAL

HOURS RUN

1030

1030 1030

3233 3261

DRILLING

MUD & CHEM ADDED

HELPER

DRILL COLLARS

FOOTAGE

1030

1030 1030

3233 3261

DRILLING

TYPE

HELPER

DIAMETER

REAMER

1030

1030 1030

3233 3261

DRILLING

DEPT

HELPER

CUTTER NO

TYPE

1030

1030 1030

3233 3261

DRILLING

DEPT

HELPER

IN HOLE - END OF TOUR

BIT RECORD

TIME

DRILLED

FORMATION AND EXPLANATION

MUD RECORD

D

HOFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

WELL **Can Am - Shell Meade A-1** COMPANY **Can American**
 LTD SEC TWP RANGE W MER PROVINCE
60-24N 124-05 W. **Yukon Terr.**

RIG NO. **42-4** DATE **Jul. 14-69**
 TOOL PUSHER **For all parts**

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	HRS
				TIME	AMOUNT		
UN NO	13	1200	1.30	3190	3203	DRILLER	CLIFF Bayley
SIZE	12 1/4	1.30	1.45	WT	9.5	DERRICK	Paul Grayson
FG	Red	1.45	2.45	VISC	40	MOTOR	Garard Roates
PE	YMAC	2.45	4.45	FLTR CK	40	HELPER	Ben Surley
ER NO	486452	4.45	5.45	P H	7.6	HELPER	Jim Zajac
DEPTH OUT	35	5.45	6.40	MUD & CHEM ADDED		HELPER	
CURS RUN	263	6.40	8.00	TYPE	AMOUNT	HELPER	
AMER						HELPER	
UTTER NO						HELPER	
PE						HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	HRS
				TIME	AMOUNT		
UN NO	13	800	900	3223	3233	DRILLER	Beet Hedon
SIZE	12 1/4	900	930	WT	9.5	DERRICK	Glenn Curley
FG	Red	930	1.15	VISC	37	HELPER	Lawrence Littlewood
PE	YMAC	1.15	1.45	FLTR CK	40	HELPER	Perry Scholtz
ER NO	486452	1.45	2.00	P H	7.6	HELPER	Lawrence Miller
DEPTH OUT	3934	2.00	4.00	MUD & CHEM ADDED		HELPER	
CURS RUN	301	4.00		TYPE	AMOUNT	HELPER	
AMER						HELPER	
UTTER NO						HELPER	
PE						HELPER	

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	HRS
				TIME	AMOUNT		
UN NO	14	400	600	3233	3261	DRILLER	Robert Warden
SIZE	12 1/4	600	800	WT	9.5	DERRICK	William Warden
FG	SECURITY	800	900	VISC	40	MOTOR MAN	Dorian Warden
PE	MANE	900	10.30	FLTR CK	40	HELPER	Elly MacLean
ER NO	186301	10.30	1200	P H	7.6	HELPER	Joe Sherswen
DEPTH OUT				MUD & CHEM ADDED		HELPER	
CURS RUN				TYPE	AMOUNT	HELPER	
AMER						HELPER	
UTTER NO						HELPER	
PE						HELPER	

MUD RECORD				MUD RECORD			
TIME	AMOUNT	TYPE	AMOUNT	TIME	AMOUNT	TYPE	AMOUNT
11.00	300	700		11.00	300	700	
WT	9.5	9.5		WT	9.5	9.5	
VISC	40	41	38	VISC	40	41	38
FLTR CK	40	40	40	FLTR CK	40	40	40
P H	7.6	7.6	7.6	P H	7.6	7.6	7.6
MUD & CHEM ADDED				MUD & CHEM ADDED			
TYPE	AMOUNT			TYPE	AMOUNT		

MUD RECORD				MUD RECORD			
TIME	AMOUNT	TYPE	AMOUNT	TIME	AMOUNT	TYPE	AMOUNT
11.00	300	700		11.00	300	700	
WT	9.5	9.5		WT	9.5	9.5	
VISC	40	41	38	VISC	40	41	38
FLTR CK	40	40	40	FLTR CK	40	40	40
P H	7.6	7.6	7.6	P H	7.6	7.6	7.6
MUD & CHEM ADDED				MUD & CHEM ADDED			
TYPE	AMOUNT			TYPE	AMOUNT		

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 20 DAY FROM SPUD DATE

WELL FOR R/S SWELL Memor A-1 Comp 20
 LSD 60° - 20' N SEC 124° - 25' W TWP 124° - 25' W
 RANGE 124° - 25' W W 124° - 25' W MER 124° - 25' W
 PROVINCE Yukon Terr.

IN HOLE - END OF TOUR

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

D

NO	PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	D
28	STAND D P	4 1/2	13	12 1/4	12.00	12.15	Rig Sec. 1 B.O.P.	WT 42.00 3.00 7.00	DRILLER
1	SNGLS D P	2544.43	MFG	18.15	3.45	30.22	DRILL 12 1/4 HOLES	WT 9.5 9.1 9.5	DERR CK
16	LENGTH CLRS	479.68	TYPE	3.45	4.00	30.53	SURVEY @ 3053 - 17 1/2	VISC 37 36 38	MOTOR MAN
	KELLY IN	13.00	SER NO	484.82	4.00	30.53	DRILL 12 1/4 HOLES	W 35 CC 11.7 11.4	FLTR CK
	DEPTH OUT	484.82		7.00	7.15	30.93	SURVEY @ 3053	P H 76 76 76	HELPER
	HOURS RUN	16.14		7.15	9.00	30.85	DRILL	MUD & CHEM ADDED	HELPER
	TOTAL	2885.00						DEVIATION DEGREES	HELPER
	DRILL COLLARS	2885.00						DEPTH	HELPER
1	DIAMETER	27.93	FOOTAGE	18.5				3053 7 1/4	
3	9"	27.93	BEAMER CUTTER NO					3083 7 1/8	
2	7 1/4"	27.93	TYPE	2-13					

NO	PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	D
28	STAND D P	2594.46	13	12 1/4	8.00	8.15	Rig Sec. 1 B.O.P.	WT 4.00 11.00 2.00	DRILLER
1	SNGLS D P	479.68	MFG	8.15	11.45	30.35	DRILL	WT 9.5 9.5 9.5	DERR CK
16	LENGTH CLRS	479.68	TYPE	11.45	12.15	31.15	DRILL & SURVEY @ 3115	VISC 38 39 37	MOTOR MAN
	KELLY IN	400.8	SER NO	484.82	12.15	33.0	DRILL	W L CC 30 30 30	FLTR CK
	DEPTH OUT	484.82		3.30	4.00	31.42	DRILL	P H	HELPER
	HOURS RUN	2.3						MUD & CHEM ADDED	HELPER
	TOTAL	342.00						DEVIATION DEGREES	HELPER
	DRILL COLLARS	342.00						DEPTH	HELPER
1	DIAMETER	29.52	FOOTAGE	18.2				3115 7 3/8	
3	9"	29.52	BEAMER CUTTER NO	2-13				3142 8 0	
2	7 1/4"	29.52	TYPE	2-13					

NO	PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	D
28	STAND D P	2654.43	13	12 1/4	4.00	4.15	SURVEY @ Rig Sec. 1	WT 4.00 10.10 1.00	DRILLER
1	SNGLS D P	479.68	MFG	4.15	8.45	31.42	DRILL 12 1/4 HOLES	WT 9.5 9.5 9.5	DERR CK
16	LENGTH CLRS	479.68	TYPE	8.45	9.00	31.73	SURVEY @ 3173	VISC 35 45 32	MOTOR MAN
	KELLY IN	28.00	SER NO	484.52	9.00	12.00	DRILL	W L CC 34 34 34	FLTR CK
	DEPTH OUT	484.52		4.00	12.00	31.73	DRILL	P H	HELPER
	HOURS RUN	3.04						MUD & CHEM ADDED	HELPER
	TOTAL	3490.00						DEVIATION DEGREES	HELPER
	DRILL COLLARS	3490.00						DEPTH	HELPER
1	DIAMETER	29.50	FOOTAGE	23.0				3173 7 3/8	
3	9"	29.50	BEAMER CUTTER NO	2-13				3142 8 0	
2	7 1/4"	29.50	TYPE	2-13					

NO	PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	D
28	STAND D P	2654.43	13	12 1/4	4.00	4.15	SURVEY @ Rig Sec. 1	WT 4.00 10.10 1.00	DRILLER
1	SNGLS D P	479.68	MFG	4.15	8.45	31.42	DRILL 12 1/4 HOLES	WT 9.5 9.5 9.5	DERR CK
16	LENGTH CLRS	479.68	TYPE	8.45	9.00	31.73	SURVEY @ 3173	VISC 35 45 32	MOTOR MAN
	KELLY IN	28.00	SER NO	484.52	9.00	12.00	DRILL	W L CC 34 34 34	FLTR CK
	DEPTH OUT	484.52		4.00	12.00	31.73	DRILL	P H	HELPER
	HOURS RUN	3.04						MUD & CHEM ADDED	HELPER
	TOTAL	3490.00						DEVIATION DEGREES	HELPER
	DRILL COLLARS	3490.00						DEPTH	HELPER
1	DIAMETER	29.50	FOOTAGE	23.0				3173 7 3/8	
3	9"	29.50	BEAMER CUTTER NO	2-13				3142 8 0	
2	7 1/4"	29.50	TYPE	2-13					

NO	PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD	D
28	STAND D P	2654.43	13	12 1/4	4.00	4.15	SURVEY @ Rig Sec. 1	WT 4.00 10.10 1.00	DRILLER
1	SNGLS D P	479.68	MFG	4.15	8.45	31.42	DRILL 12 1/4 HOLES	WT 9.5 9.5 9.5	DERR CK
16	LENGTH CLRS	479.68	TYPE	8.45	9.00	31.73	SURVEY @ 3173	VISC 35 45 32	MOTOR MAN
	KELLY IN	28.00	SER NO	484.52	9.00	12.00	DRILL	W L CC 34 34 34	FLTR CK
	DEPTH OUT	484.52		4.00	12.00	31.73	DRILL	P H	HELPER
	HOURS RUN	3.04						MUD & CHEM ADDED	HELPER
	TOTAL	3490.00						DEVIATION DEGREES	HELPER
	DRILL COLLARS	3490.00						DEPTH	HELPER
1	DIAMETER	29.50	FOOTAGE	23.0				3173 7 3/8	
3	9"	29.50	BEAMER CUTTER NO	2-13				3142 8 0	
2	7 1/4"	29.50	TYPE	2-13					

$\frac{x}{x^2}$

PROVINCE

424
TOOL PUSHER

[illegible]

91 DAY FROM SPUD DATE

WELL
LSD
SEC
60-200

Still near A-1
TWP RNC
1200-2500

FRAN AMERICAN
MER PROVINCE
WYOMING

TOOL F

Feb 12/69
Ed. Stanton

[illegible][illegible]

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL												
NO	FROM	TO	FROM	TO				TIME	WT	VISC	W L CC	FLTR CK	R H	TYPE	AMOUNT	HELPER	DRILLER	DERRICK	WIREMAN	TRIPMAN	WELDER	WELDER
13		6:30	2974			DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
1344		7:00				Survey of Rio Seis @ 2992		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
2457		1:30				DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
486452		12:00				DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:40	3.4	2.5	700	92	7.6				BEART HEARN					
						DRG.		4:														

SET

[illegible]

BRINKERHOFF BROTHERS LTD. EDMONTON
 THIS IS THE 18 DAY FROM SPUD DATE
 WELL NO. 734 9M SHELL MEASUREMENT-1
 SEC 60-20N TWP 124-25W RANGE 124-25W
 COMPANY PAN AMERICA PROV. ALBERTA
 MUD RECORD

IN HOLE - END OF TOUR				BIT RECORD				TIME				DRILLED				FORMATION AND EXPLANATION				MUD RECORD					
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO											TIME	WT	VISC	W - CC	FLTR CK	P H	MUD & CHEM ADJ
25	4 1/2		11	12 1/4	1200	1215													200	8.3	33				
1	SINGLS D P	229514	MFG	SEC	1215	315	2795																		
16	LNTH CLRS	47968	TYPE	DMVI	315	330																			
1	KELLY IN	2789	SER NO	158255	330	500	2830																		
1	OTHER	2789	DEPTH OUT																						
	TOTAL	25307	HOURS RUN	29																					
	DRILL COLLARS		FOOTAGE	219																					
NO	DIAMETER	1 1/8	LGTH																						
1		2950	REAMER																						
1		9 1/2	CUTTER NO																						
3		7 3/4																							
		500																							

IN HOLE 200 of 404735				BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD	
NO	PIPE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO				TIME	
25	STAND D P	479.54	12	18 1/4	9.00	9.15			Rig Str. V. B.O.P.S			WT	
1	SINGLS D P	229514	MFG	R200	9.15	9.30			DRILL SURVEY			VISC	
16	LNTH CLRS	479.68	TYPE	VHC-T	9.30	11.30			TRIP OUT & CHECK BUND HOMS			W L CC	
1	KELLY IN	3500	SER NO	482096	11.30	11.45			SLIP 23, DRILL LINE			FLTR CK	
1	OTHER	2289	DEPTH OUT		11.45	1.00			REMOVE TOP HALF OF STAND PIPE			P H	
1	TOTAL	2289.66	HOURS RUN	1	1.00	5.00			RUN IN W/LET. CIRCUM 2 1/2 IN			MUD & CHEM ADD	
	DRILL COLLARS		FOOTAGE	9	5.00	4.00			DRILL 18 1/4 HOLE			T PE	
1	DIAMETER	1 1/8	REAMER		4.00							AMOUN	
2	CUTTER NO	8793	CUTTER NO										
2	TYPE	8500											

IN HOLE - END OF TOUR			BIT RECORD		EVENING TOUR				FORMATION AND EXPLANATION		MUD RECORD	
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT
26	4 1/2	235671			400	415			RIG - 2000		4.06	800
	STAND D				415	915	2838		DRILL		7.3	93
	SINGLS D P				915	945			CIRCUIT SURVEY		26	34
16	LNTH CLRS	47968	TYPE		945	1200	2898		DRILL			
	KELLY IN	3572	SER NO									
	OTHER	2789	DEPTH OUT									
	TOTAL	2789	HOURS RUN									
	DRILL COLLARS		FOOTAGE									
1	D	1 1/8	REAMER									
1	DIAMETER	2950	CUTTER NO									
3		8793										
3		8560	TYPE									
					1615	3-13						
MUD & CHEM ADD												
TYPE AMOUNT												
SODIUM 100												

REMARKS: REPAIRS TO IDENTENTS AND ETC.
 1142N 14N16 - 5'2"
 3.30
 4.21

NOFF BROTHERS LTD.

DAY FROM SPUD DATE

WELL NO. 1
LSD 60-20W
SEC 20W
TWP 120-25W
RANGE 25W

COMPANY
PAN AMERICAN
PROVINCE
YUKON TERR.

RIG NO. 424
DATE FEB 11/69
TOOL JOBSMAN
Korabel Stanton

BIT RECORD	TIME		DRILLED TO		FORMATION AND EXPLANATION	MUD RECORD		DRUG CREW PAYROLL	
	FROM	TO	FROM	TO		TIME	AMOUNT	DRILLER	HRS
N NO	11	1200	1215		M.S. SERV BOOTS	WT	200 600	TERAY JACOBSEN	8
E	12 1/4	1215	315	2795	DATE	VISC	9.3 9.3	DERRICK	8
3	SEC				DATE SURVEY	W L CC	33 36	MOTOR	8
E	DMVI	315	330			FLTR CK		MOTOR	8
N NO	158235	330	800	2830	DATE	P H		HELPER	8
TH OUT						MUD & CHEM ADDED		HELPER	8
STAGE	29					TYPE	AMOUNT	HELPER	8
STAGE	29					CEA	5000	HELPER	8
STAGE	29					ALERT	200	HELPER	8
STAGE	29							HELPER	8

BIT RECORD	TIME		DRILLED TO		FORMATION AND EXPLANATION	MUD RECORD		DRUG CREW PAYROLL	
	FROM	TO	FROM	TO		TIME	AMOUNT	DRILLER	HRS
N NO	12	900	915		Rio Sta. 1 S.D.P.s	WT		DRILLER	8
E	12 1/4	915	930		Dead Survey	VISC		DERRICK	8
3	RIO	930	1130		TRIP OUT & CHECK BOND HAMS	W L CC		MOTOR	8
E	VHC-T	1130	1145		SLIP 23' DATE LINE	FLTR CK		HELPER	8
N NO	487006	1145	1200		ARRIVE TOP OF STONE PILE	P H		HELPER	8
TH OUT						MUD & CHEM ADDED		HELPER	8
STAGE	9	1200	300		RUN IN W/BLT. CEMENT 2' 1/2	TYPE	AMOUNT	HELPER	8
STAGE	9		400		DATE 18 1/4 HOLE			HELPER	8
STAGE	9							HELPER	8
STAGE	9							HELPER	8

BIT RECORD	TIME		DRILLED TO		FORMATION AND EXPLANATION	MUD RECORD		DRUG CREW PAYROLL	
	FROM	TO	FROM	TO		TIME	AMOUNT	DRILLER	HRS
N NO	12	400	415		RIO STA. 1 S.D.P.s	WT	4.3 9.3 9.3	DRILLER	8
E	12 1/4	415	915	2838	DATE	VISC	26 34 34	DERRICK	8
3	RIO	915	945		DATE SURVEY	W L CC		MOTOR	8
E	VHC-T	945	1200	2898	DATE	FLTR CK		HELPER	8
N NO	487096					P H		HELPER	8
TH OUT						MUD & CHEM ADDED		HELPER	8
STAGE	68					TYPE	AMOUNT	HELPER	8
STAGE	68					SODASPH 100W		HELPER	8
STAGE	68							HELPER	8
STAGE	68							HELPER	8

SUBS - PUMP RECORD

MOTOR TO R				LINES TO R			
PUMP PRESS	110 PSI	PUMP PRESS	110 PSI	PUMP PRESS	110 PSI	PUMP PRESS	110 PSI
ROT RPM	50	ROT RPM	50	ROT RPM	50	ROT RPM	50
POINTS WT	30 + 40	POINTS WT	30 + 40	POINTS WT	30 + 40	POINTS WT	30 + 40
LINER SIZE	4.8 X 16	LINER SIZE	4.8 X 16	LINER SIZE	4.8 X 16	LINER SIZE	4.8 X 16

3.30

6.46

5.2

1.5

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42

42
TOOL PUSHER



	DR
	DRILLER JEN
	DERRICK MAN
	MOTOR MAN JOHN
	HELPER GE
	HELPER HEBERT
	HELPER
	HELPER

DRILLER	DRILLER
NEBRICK MAN	NEBRICK MAN
MOTOR MAN	MOTOR MAN
HELPER	HELPER
HELPER	HELPER
HELPER	HELPER

	DRECK
	CURRER
	DRECK
	WORMAN
	LEPER
	LEPER
	LEPER

SECRET
NOFORN

MORNING TO 7
LATE TO 6

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COINTEGRATION	COINTEGRATION
10	25
4280160	41802

RIG NO	425	DATE	FEB 10 1969
TOOL PUSHER			
Donald Hantz			

COMPANY	PAN AMERICAN
W/	
MER	
PROVINCE	YUKON T

RIG NO	425	DATE	FEB 10 1969
TOOL PUSHER			
Donald Hantz			

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BIT RECORD		TIME		DRILLED TO		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO		FROM	TO	FROM	TO			TIME			HRS
1	11	400	545	2735	2756	DRG.		WT	9.2	DRILLER	Barry Hedon
2	1244	545	615			Survey @ 2756 V.R.C. Str.		VISC	25	DERRICK	Barry Dixon
3	SEC.	615	1000	2756	2785	DRG.		W L CC	35	MOTOR MAN	Lawrence Howard
4	DRILL	1000	1015			Survey @ 2785.844°		FLTR CX		HELPER	Julian Hershuk
5	152755	1015	1200	2785	2795	DRG.		BH		HELPER	Glenn Curley
6	2142							MUD & CHEM ADDED			
7	184							TYPE	AMOUNT	HELPER	
8								DEPTH	DEGREES	HELPER	
9								2756	734	HELPER	
10								2785	844	HELPER	
11									9.2		
12									25		
13									35		
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For Am Legation
Washington D.C.

SLUSH PUMP RECORD					
MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	1100	PUMP PRES	1100	PUMP PRES	1100
ROT R/W	50	ROT R/W	45-50	ROT R/W	50
POINTS AT	10	POINTS AT	28	POINTS AT	7
LINER SIZE	4X8X160	LINER SIZE	4X8X160	LINER SIZE	

CALGARY
THIS IS THE 16 DAY FROM SPUD DATE

BRINKERHOFF BROTHERS LTD.
EDMONTON
WELL PAN AM SHELL MEKILL A-1
SEC 600.20W
TWP 12N
RANGE 25W
COMPANY
W. MER
PROVINCE
SASKATCHEWAN

48
48
48

IN HOLE - END OF TOUR			BIT RECORD						FORMATION AND EXPLANATION			MUD RECORD		
NO	PIPE SIZE	FEET	RUN NO	SIZE					TIME			TIME		
22	4 1/2		9	12 1/4					12.00	12.15		1.00	5.10	
23	STAND D P								WT			90	9.0	
24	SNGLS D P	2058.43	MFG	14min					VISC			30	32	
25	LENGTH CLRS	4796.43	TYPE	5 JS					W L CC					
26	KELLY IN	4796.43	NUMBER NO	N99958					FLTR CK					
27		278	DEPTH OUT	2807										
28	TOTAL	2572.00	HOURS RUN	5.5										
DRILL COLLARS														
NO	DIAMETER	LGTH	FOOTAGE						DEVIATION					
1	11	2950	596						DEPTH	DEGREES		TYPE	AMOUNT	
2	9	8593							2577	64		GELL	5800#	
3	7 3/4	8500							2607	74		GENEX	29#	
MORNING TOUR														

□
3
4
(3)

DAY FROM SPUD DATE

LSD	SEC	TWP	RNG
60°-20W	124°	25W	

PROVINCE
Yamalo-Nenets Autonomous Okrug

FOR THE UNITED STATES

Ed Hunter

[illegible][illegible][illegible]

AND ETC

0.

Year	Population	Population	Population
1990	100	100	100
2000	100	100	100
2010	100	100	100
2020	100	100	100
2030	100	100	100
2040	100	100	100
2050	100	100	100
2060	100	100	100
2070	100	100	100
2080	100	100	100
2090	100	100	100
2100	100	100	100

[illegible]

every 1000

Wm. C. C.

MORNING TOUR			DAY TOUR			EVENING TOUR		
PUMP PRES	400 PSI	PUMP PRES	900 PS	PUMP PRES	1100 PSI			
ROT RWM	60	ROT RWM	50	ROT RWM	50			
POINTS WT	3	POINTS WT	3	POINTS WT	3			
CORNER SIZE	416 X 117	LINER SIZE	416 X 160	CORNER SIZE	416 X 160			

IN HOLE - END OF TOUR				BIT RECORD				MUD RECORD			
PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	TIME	WT	DRILLER
4 1/2	1877.33	9	12 1/4	12.00	13.15			TRC SER 11300	12.00	300.70	DRILLER
SNGLS D P	1877.33			12.15	3.00	2302		DRG.	9.9	89.89	DERRICK
LNTH CLRS	479.68			3.00	3.15			SURVEY @ 2334 4'	25.35	38	DRILLER
KELLY IN	1811			3.15	6.00			DRG			DRILLER
TOTAL	2799										DRILLER
DRILL COLLARS	24.00										DRILLER
NO DIAMETER	11										DRILLER
FOOTAGE	9950										DRILLER
REAMER CUTTER NO	8793										DRILLER
TYPE	3503										DRILLER

IN HOLE - END OF TOUR				BIT RECORD				MUD RECORD			
PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	TIME	WT	DRILLER
4 1/2	1877.33	9	12 1/4	8.00	8.15			R. 2 SER 1300	8.30	215	DRILLER
SNGLS D P	1877.33			8.15	10.30	2400		DRG	8.1	8.9	DERRICK
LNTH CLRS	479.68			10.30	10.45			RUN SURVEY @ 2425	38	35	DRILLER
KELLY IN	1811			10.45	4.00			DRG			DRILLER
TOTAL	2799										DRILLER
DRILL COLLARS	24.00										DRILLER
NO DIAMETER	11										DRILLER
FOOTAGE	9950										DRILLER
REAMER CUTTER NO	8793										DRILLER
TYPE	3503										DRILLER

IN HOLE - END OF TOUR				BIT RECORD				MUD RECORD			
PIPE SIZE	FEET	RUN NO	SIZE	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	TIME	WT	DRILLER
4 1/2	1877.33	9	12 1/4	4.10	4.15			RIS SER 1 B.C.P.s	4.00	8.30	DRILLER
SNGLS D P	1877.33			4.15	5.00	2503	2516	DRG 12 1/4 HOLE	9.0	9.0	DERRICK
LNTH CLRS	479.68			5.00	5.30			4th SURVEY	33	32	DRILLER
KELLY IN	1811			5.30	10.30	2516	2590	DRG 12 1/4 HOLE			DRILLER
TOTAL	2799										DRILLER
DRILL COLLARS	24.00										DRILLER
NO DIAMETER	11										DRILLER
FOOTAGE	9950										DRILLER
REAMER CUTTER NO	8793										DRILLER
TYPE	3503										DRILLER

REMARKS (REPAIRS, ACCIDENTS AND ETC.)
 MAIN TANK - 5'10"
 SHANK 11 - FULL
 CAMP 11 - 3'9"
 Can Run Separated Overturn.
 1 can run

443

5 DAY FROM SPUD DATE

SEC	TWP	RNGE
60°-20N	134°	25E

W
E
R
PROVINC
Jaxo

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[illegible][illegible][illegible]

5'10"

For the Repaired Question:

FF

[Faint handwritten notes or scribbles]

9.3

100

[illegible]

800	46
145	25
25	41

DEFF BROTHERS LTD.

EDMONTON

WELL NO. 1
 L.S.D. 600.24N
 T.W.B. 124.35W
 RANGE
 COMPANY
 W. MER
 PROV. CAN. TERR.

RIG NO. 21-1-1
 DATE 12.3.1969
 TOOL JOHNSON
 OPERATOR Donald Macdonald

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL	
FROM	TO	FROM	TO	FROM	TO			TIME	WT	DRILLER	HRS
1200	1215					RIG SERVED 1303		1200	8.8	BERT HEDIN	8
1215	1245			2057		DRIC		8.9	8.8	DERICK BERRY DIXON	8
1245	115					CIRCA SURVEY @ 2063 44°		15	40	CHARLES KILPATRICK	12
115	530					DRIC		FLTR CK		HELPER JULIAN HENNING	8
530	545					SURVEY @ 2093 44°		P.H.		HELPER	
545	800			2123		DRIC		MUD & CHEM ADDED		HELPER GLENN CURLEY	8
								TYPE	AMOUNT		
								DEPTH	DEGREES		
								2063	44°		
								2093	44°		

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL	
FROM	TO	FROM	TO	FROM	TO			TIME	WT	DRILLER	HRS
800	815					R. 9 SERVED 305		830	800	TERRE JOHNSON	8
815	1100			2123		DRIC		88	88	DERICK HAYLEN	10
1100	1115					RUN SURVEY @ 2153		39	36	MOTOR W. MOORHOUSE	10
1115	400			2225		DRIC		FLTR CK		HELPER GRANT WARD	10
								P.H.		HELPER	
								MUD & CHEM ADDED		HELPER HAZELT VANDER MEENE	8
								TYPE	AMOUNT		
								DEPTH	DEGREES		
								2153	44°		

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG. CREW PAYROLL	
FROM	TO	FROM	TO	FROM	TO			TIME	WT	DRILLER	HRS
400	415					RIG SERVED 8.00		433	390	QUINT BAYLEY	8
415	510			2225	2244	DRIC		8.9	8.8	DERICK M. GRAYSON	8
510	530					CIRCA 1/4 SURVEY 1/4		33	32	MOTOR W. GRAYSON	12
530	1200			2244	2302	DRIC		FLTR CK		HELPER GLENN ROGERS	12
						DATA 12 1/4 HOLE		P.H.		HELPER BOB SORLEY	12
								MUD & CHEM ADDED		HELPER JIM ZAJAC	8
								TYPE	AMOUNT		
								DEPTH	DEGREES		
								2240	3 1/2		

SLUSH PUMP RECORD

MORNING TOUR				DAY TOUR				EVENING TOUR			
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
800	40	800	40	800	40	800	40	800	40	800	40
ROT R.P.M.	POINTS WT	ROT R.P.M.	POINTS WT	ROT R.P.M.	POINTS WT	ROT R.P.M.	POINTS WT	ROT R.P.M.	POINTS WT	ROT R.P.M.	POINTS WT
40	25	40	25	40	25	40	25	40	25	40	25
LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE	LINER SIZE
4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2	4 X 8 1/2

Pen On Requested Continuation.

Survey 8 1/2 (100)

Pen (100)

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 13 DAY FROM SPUD DATE

1200-AM SHELL MERRILL A-1
LSD SEC TWP RANGE
600-200 124-250

COMPANY
PAN-AMERICAN

W. MER
PREVINC
4000 TARE.

IN HOLE - END OF TOUR

BIT RECORD

TIME

DRILLED

FORMATION AND EXPLANATION

MUD RECORD

DRUG

NO	PIPE SIZE	FEET	RUN NO	SIZE	1200	1215	FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION	TIME	WT	VISC	W L CC	FLTR CK	P H	MUD & CHEM ADDED	DRUG
----	-----------	------	--------	------	------	------	------	----	--------------	----	---------------------------	------	----	------	--------	---------	-----	------------------	------

16	STAND D P	14830	124	MFG	1215	1230					RIG SER 4030PS	1200	9.0	8.5	9.9				DRILLER B
----	-----------	-------	-----	-----	------	------	--	--	--	--	----------------	------	-----	-----	-----	--	--	--	-----------

16	STAND D P	14830	124	MFG	1230	515	1972				Survey @ 1972 MISCELL	40	37	35					DERRICK MB
----	-----------	-------	-----	-----	------	-----	------	--	--	--	-----------------------	----	----	----	--	--	--	--	------------

16	STAND D P	14830	124	MFG	515	530					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

16	STAND D P	14830	124	MFG	530	730					Survey @ 2002								DERRICK MB
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	---------------	--	--	--	--	--	--	--	------------

16	STAND D P	14830	124	MFG	730	800					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

16	STAND D P	14830	124	MFG	800	815					DRG								DERRICK MB
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	------------

16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
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16	STAND D P	14830	124	MFG	815	815					DRG								DERRICK MB
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16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
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16	STAND D P	14830	124	MFG	815	815					DRG								DERRICK MB
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16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

16	STAND D P	14830	124	MFG	815	815					DRG								DERRICK MB
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16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

16	STAND D P	14830	124	MFG	815	815					DRG								DERRICK MB
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16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

16	STAND D P	14830	124	MFG	815	815					DRG								DERRICK MB
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16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

16	STAND D P	14830	124	MFG	815	815					DRG								DERRICK MB
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	------------

16	STAND D P	14830	124	MFG	815	815					DRG								DRILLER
----	-----------	-------	-----	-----	-----	-----	--	--	--	--	-----	--	--	--	--	--	--	--	---------

REMARKS: REPAIRS TO ACCIDENTS AND ETC.

MAIN TANK - 7'3"

SMALL " - 5'6"

CAMP " - 3'11"

Pan Am Requested Continue

August 8 1955

Pan Am

SLUSH PUMP RECORD

MORNING TOUR	DAY TOUR
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PUMP PRES	800	PSI	PUMP PRES	700	PSI
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POT RPM	55	POT RPM	40	POT RPM	40
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ALWAYS MARCH

OFF BROTHERS LTD.

DAY FROM SPUD DATE

EDMONTON

12:00-AM SHELL MEANWILE A-1

COMPANY PAN-AMERICAN

RIG NO 42-11

DATE FEB 6/69

LSD SEC TWP RANGE W. MER PROV. YUKON TERR.

TOOL PUSHER RONALD HENDERSON

BIT RECORD

NO	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
1244	12:00	12:15			RIG SER 40 130PS	TIME 12:00 3:00 6:00	DRILLER BERRY MEDIN	16
1244	12:15	12:30			SURVEY @ 1972 MISCAN	WT 9.0 8.9 8.9	DERRICK BERRY DIXON	16
1244	12:30	5:15			DRG	VISC 40 37 35	W L CC	16
15149	5:15	5:30			SURVEY @ 2002	FLTR CK	HELPER JULIAN HREINUK	16
12011	5:30	7:30			DRG	P H	HELPER	16
11344	7:30	8:00			CIRC & DROP SURVEY 2011	MUD & CHEM ADDED	HELPER OLENN CURELY	16
65						DEPTH DEGREES	HELPER	
						1972 94.5		
						2002 44.2		

BIT RECORD

NO	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
9	8:00	8:15			RIG SER 40 130PS	TIME	DRILLER JERRY JACOBSEN	12
1244	8:15	3:15			TRIP FOR BIT & CHANGED	WT	DERRICK JERRY DOCKEN	12
515					STAR, ONE 60' ABOVE BIT	VISC	MOTOR MAN MOORHOUSE	12
515					ONE 20' ABOVE BIT	W L CC	HELPER GARNI LWARD	12
515					DATE	FLTR CK	HELPER	12
2011						P H	HELPER	12
2016						MUD & CHEM ADDED	HELPER	12
						DEPTH DEGREES		
						2011 44.2		

BIT RECORD

NO	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
9	4:15	7:30			RIG SER 1 5.0 PS	TIME 4:15 8:00 11:00	DRILLER CLIFF BAILEY	12
1244	7:30	8:00			DATE 12:14	WT 8.9 8.9 8.9	DERRICK PAUL GRAYSON	9
515	8:00	12:00			CIRC. 4 and LINE SURVEY 14	VISC 36 35 34	MOTOR MAN GERRARD ROBERTS	12
515					DATE 12:14	W L CC	HELPER GARNI LWARD	12
515						FLTR CK	HELPER	12
515						P H	HELPER	12
515						MUD & CHEM ADDED	HELPER	12
515						DEPTH DEGREES		
515						2030 44.2		

BIT RECORD

NO	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD	DRLG CREW PAYROLL	HRS
9	8:00	8:15			RIG SER 1 5.0 PS	TIME 8:00 8:15 8:30	DRILLER	12
1244	8:15	8:30			DATE 12:14	WT 8.9 8.9 8.9	DERRICK	12
515	8:30	8:45			CIRC. 4 and LINE SURVEY 14	VISC 36 35 34	MOTOR MAN	12
515					DATE 12:14	W L CC	HELPER	12
515						FLTR CK	HELPER	12
515						P H	HELPER	12
515						MUD & CHEM ADDED	HELPER	12
515						DEPTH DEGREES		
515						2030 44.2		

SLUSH PUMP RECORD

MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES 800 PSI	PUMP PRES 700 PSI	PUMP PRES 900 PSI
ROT R.P.M. 55	ROT R.P.M. 40	ROT R.P.M. 40
POINTS WT 10-25	POINTS WT 15	POINTS WT 15-21
LINER SIZE 4X8X170	LINER SIZE 11.5X170	LINER SIZE 4X8

7'3"

11"

Pan Am Logistical Outline

Handwritten notes and signatures.

Handwritten notes and signatures.

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 12 DAY FROM SPUD DATE

WELL NO. 1200-AM SLICK MEER 4-1
LSD 600 00 N SEC 1240 25 W TWP 1240 25 W RANG 4000 TERE.

COMPANY W. AMERICAN

PROVINCE ALBERTA

TOOL PUSHER

IN HOLE - END OF TOUR

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

PIPE SIZE 4 1/2 FEET

RUN NO 1

1200 1215

1887

RIC SER 1300 S

WT 80 90 90

DRILLER

STAND D P

SIZE 12 1/4

1215 145

1887

RIC SER 1300 S

VISC 38 35 39

DERRICK

SNGLS D P

MFG 151207

145 200

1887

SURVEY @ 1904 436

W L CC

DERRICK

LGTH CLRS

TYPE 1952

200 515

1887

D.R.C.

FLTR CK

HELPER

KELLY IN

SER NO 510815

515 530

1887

SURVEY @ 1934 456

P H

HELPER

REAMER

FOOTAGE 63

530 600

1887

D.R.C.

MUD & CHEM ADDED

HELPER

DRILL COLLARS

LGTH 1944 06

1944 1944

1887

D.R.C.

DEVIATION

HELPER

DIAMETER

FOOTAGE 63

1944 1944

1887

D.R.C.

DEVIATION

HELPER

REAMER

FOOTAGE 63

1944 1944

1887

D.R.C.

DEVIATION

HELPER

CUTTER NO

TYPE 65

1944 1944

1887

D.R.C.

DEVIATION

HELPER

IN HOLE - END OF TOUR

BIT RECORD

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

MUD RECORD

DRILLER

PIPE SIZE 4 1/2 FEET

RUN NO 8

400 615

1887

RIC SER 1300 S

WT 80 90 90

DRILLER

STAND D P

SIZE 18 1/4

615 645

1887

RIC SER 1300 S

VISC 38 33

DERRICK

SNGLS D P

MFG 142343

645 1145

1887

D.R.C.

W L CC

DERRICK

LGTH CLRS

TYPE 47968

1145 1200

1887

D.R.C.

FLTR CK

HELPER

KELLY IN

SER NO 181617

1200 1200

1887

D.R.C.

P H

HELPER

REAMER

FOOTAGE 5

1200 1200

1887

D.R.C.

MUD & CHEM ADDED

HELPER

DRILL COLLARS

LGTH 1944 06

1944 1944

1887

D.R.C.

DEVIATION

HELPER

DIAMETER

FOOTAGE 26

1944 1944

1887

D.R.C.

DEVIATION

HELPER

REAMER

FOOTAGE 26

1944 1944

1887

D.R.C.

DEVIATION

HELPER

REMARKS: REPAIRS ACCIDENTS AND ETC.

MAIN TANK - 4'8"

For Am Deposited Overline

Small " - 2'4"

Gravel & S.S. 60 S

Camp " 1'11"

For Am

SLUSH PUMP

MORNING TOUR

PUMP PRES 800 PSI

ROT R P M 80

POINTS WT 5-6

LINER SIZE 4x8 x 16

LINER SIZE 4x8 x 16

CHUGAIBY

EDMONTON

4-1
RZG

COMPANY
W. MER PROV
1st. American

TOOL PUNCH

DAY FROM SPUD DATE

[illegible][illegible]

IN HOLE — END OF TOUR				BIT RECORD				TIME				DRILLED TO				FORMATION AND EXPLANATION				MUD RECORD				
NO	PIPE SIZE	FEET	RUN NO	6	7	FROM	TO	FROM	TO									TIME						
STAND D P	SNGLS D P	LNGLH CLRS	TYPE	SER NO	DEPTH OUT	HOURS RUN	FOOTAGE	REAMER CUTTER NO	TYPE									WT				VISC	W L CC	FLTR CK
16	4 1/2	1450.59	124	124	124	4.15	6.30	1870	1881	Rig Ser 1 B.O.P.s				Derrick 12 1/2 Hous				4:00				DRILLER		
13	4 1/2	3546	500	500	500	6.30	6.45			Survey @ 1880				Taper for New Bit & Pump Parts				3:38						
13	4 1/2	2400	900	900	900	6.45	11.15			1 1/2 H. Slip 33' D. Line				Derrick 12 1/2 Hous										
OTHER		11.73	1881																					
TOTAL		1887.00	2534																					
DRILL COLLARS																								
NO	DIAMETER	LGTH	FOOTAGE																					
1	4 1/2	25.50	295																					
3	4 1/2	22.83																						
9	4 1/2	27.35																						

SLUSH PUMP

REMARKS (REPAIRS ACCIDENTS AND ETC)

MAIN TANK 5191

SMALL " 2'4"

Camp 1121

Van Der Kerkhof, Bertram

Henry J. Fox

Per
G.

MORNING TOUR			DAY TO		
PUMP PRES	PSI	PUMP PRES			
ROT RPM	60-70	ROT RPM	✓		
POINTS AT	5-7 1/2	POINTS AT	✓		
LINE SIZE	4" x 6" x 160	LINE SIZE	4"		

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

W.P. PAN-AM. SILENT ME. 1111 A-1

COMPANY PAN-AMERICAN

RIG NO 42-11 DATE FEB 24/69

TOOL PUSHER RONALD HENDERSON

LSD SEC TWP RNGE W/ MER PROVINCE YUKON

BIT RECORD	TIME		DRILLED		FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	
	FROM	TO	FROM	TO		TIME	WT	DRILLER	HRS
NO 6	1200	1215			P.G. SER 11150 PS	1203.00	6.00	BERT HEDIN	12
1244	1215	145	1700	1723	DRG. W/ 1000' WT	WT 99.50	9.0	DERRICK W BERRY DIXON	12
SEC	145	200			SURVEY @ 1723 4 3/8"	VISC 33	40 35	W L CC	
NO 909048	200	345	1723	1753	DRG. 15000 WT	FLTR CK		HELPER JULIAN HIRSHUK	12
1614	345	400	1753	1753	SURVEY @ 1753	P H		HELPER GLENN CUREY	12
198	400	615	1753	1753	DRG. 1000' WT	MUD & CHEM ADDED	AMOUNT	HELPER	
	615	630			SURVEY 41783 4 3/4"	TYPE		HELPER	
	630	800	1783	1804	DRG.	DETH 438.0	10.00	HELPER	
						DETH 438.0	4.44	HELPER	
						DETH 438.0	4.44	HELPER	

BIT RECORD	TIME		DRILLED		FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	
	FROM	TO	FROM	TO		TIME	WT	DRILLER	HRS
NO 6	800	815			P. 135 SER 11150 PS	815.00	8.15	JEAN YACOBSEN	12
1244	815	915	1804		DRG.	WT 90.90	9.0	DERRICK MARY PERRY DOCKEN	12
SEC	915	930			H.W. SURVEY	VISC 85	43	MOTOR JOHN MACKINNE	12
NO 909048	930	1145			DRG.	FLTR CK		HELPER GARRY WARD	12
1244	1145	1200			RUN SURVEY	P H		HELPER	
233	1200	1200			DRG.	MUD & CHEM ADDED	AMOUNT	HELPER	
264	1200	1200	1870			TYPE		HELPER	
						DETH 1300.0	6.0	HELPER	
						DETH 1300.0	6.0	HELPER	

BIT RECORD	TIME		DRILLED		FORMATION AND EXPLANATION	MUD RECORD		DRLG CREW PAYROLL	
	FROM	TO	FROM	TO		TIME	WT	DRILLER	HRS
NO 6	400	415			P.G. SER 11150 PS	400.00	4.00	CLIFF BOYCE	12
1244	415	630	1870	1881	DRG. 12 1/4 HOLE	WT 90	9.0	DERRICK PAUL GRAYSON	12
SEC	630	645			SURVEY @ 1880	VISC 38		MOTOR GEARO ROGERS	12
NO 909048	645	1115			TAPER NEW RT 1 ANNE RAYS	W L CC		HELPER BEN SURVEY	12
1881	1115	1200	1881	1887	1/2 H. SUR 33' D. LINE	FLTR CK		HELPER TIM ZAGAC	12
233	1200	1200			DRG.	MUD & CHEM ADDED	AMOUNT	HELPER	
275	1200	1200				TYPE		HELPER	
						DETH		HELPER	
						DETH		HELPER	

SLUSH PUMP RECORD

MORNING TOUR				DAY TOUR				EVENING TOUR			
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT R.P.M		ROT R.P.M		ROT R.P.M		ROT R.P.M		ROT R.P.M		ROT R.P.M	
POINTS WT		POINTS WT		POINTS WT		POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE		LINER SIZE	
4x5x160		4x5x160		4x5x160		4x5x160		4x5x160		4x5x160	

AND ETC

San Leon Aguado O'Brien

San Can

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL: *Plan. Am. Steel Mercantile A-1* COMPANY: *Plan. Am. Steel Mercantile*

R.S. NO. *42*

CALGARY THIS IS THE *10* DAY FROM SPUD DATE

LSD: *60°29'N. 124°25'W* TYP: *Yukon Terr.*

CO. ENGINEER: *W. H. H. H.*

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DR
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	
13	4 1/2	179.38	5	12 1/4	12.00	12.15			Ric. Sec. 10 Bars		12.00	3.00	DRILLER
1	STAND D.P.			SIZE					DRIC		8.8	88	DERRICK M.
13	SNGLS D.P.	394.68	TYPE	DMNS	3.00	3.15	15.00		SURVEY @ 15.41 4°		3.5	32	DERRICK M.
1	LNTH CLRS		SER NO		2.15	7.00			DRIC				EXPLORE
	KELLY IN	1521			7.00	7.15							HELPER
	OTHER	1773	DEPTH OUT		7.15	7.15			SURVEY @ 16.00				HELPER
	TOTAL	1166.04	HOURS RUN		7.15	8.00	16.06		DRIC				HELPER
DRILL COLLARS													
NO	DRILLER	USCH	FOOTAGE								DEVIATION		
1	2950	11	310								DEPTH	15.41	4
3	3793	9									DEGREES	16.00	5
9	3793	6 1/2	TYPE										RENER 4 H

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DR
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	
13	4 1/2	1118	5	12 1/4	8.00	8.15			R. 9 GENT. 180PS		8.30	90	DRILLER
1	STAND D.P.			SIZE	8.15				TRIP FOR BIT + MOVE				DERRICK M.
13	SNGLS D.P.	394.68	TYPE	DMNS					STANDARD 1250 1600 DC				MOTOR M.
1	LNTH CLRS	1100	SER NO		2.00	2.00	16.06	16.71	220 of File				HELPER
	KELLY IN	1773	DEPTH OUT		2.00	4.00							HELPER
	OTHER	1631.32	HOURS RUN										HELPER
	TOTAL	1631.32											HELPER
DRILL COLLARS													
NO	DRILLER	USCH	FOOTAGE								DEVIATION		
1	2950	11	710	25							DEPTH		
3	3793	8 1/2	REARER								DEGREES		
9	3793	1773	CUTTER NO										HELPER

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DR
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	
14	4 1/2	1266.59	6	12 1/4	4.00	4.15			Ric. Sec. 10 Bars - Survey		4.00	8.00	DRILLER
1	STAND D.P.			SIZE	4.15	6.15	16.31	16.62	DRIC 12 1/4 Hole		4.10	8.0	DERRICK M.
13	SNGLS D.P.	394.68	TYPE	DMNS	6.15	6.30			4.15 SURVEY - 5 1/4		4.38	38	MOTOR M.
1	LNTH CLRS	19.00	SER NO		6.30	10.45			DRIC				HELPER
	KELLY IN	19.00	DEPTH OUT		10.45	11.00			SURVEY @ 16.90 - 4 1/4				HELPER
	OTHER	17.73	HOURS RUN		11.00	18.00	17.00		DRIC				HELPER
	TOTAL	1700.00											HELPER
DRILL COLLARS													
NO	DRILLER	USCH	FOOTAGE								DEVIATION		
1	2950	11	94								DEPTH	16.25	5 1/4
3	3793	8 1/2	REARER								DEGREES	16.85	4 1/4
9	3793	277.25	CUTTER NO										HELPER

REMARKS (REPAIRS ACCIDENTS AND ETC.)

Main fuel tank 5'6"

Small tank 2'4"

Camp 2-1

Drill bit requests by Tom. Am.

Drill bit requests by Tom. Am.

Drill bit requests by Tom. Am.

MORNING TOUR				DAY TOUR			
PUMP PRES	7.00	4.51	PUMP PRES	7.00	4.51	PUMP PRES	7.00
ROT R.P.M.	55		ROT R.P.M.	55		ROT R.P.M.	55
POINTS WT	304.15		POINTS WT	304.15		POINTS WT	304.15
LINER SIZE	4X8X16		LINER SIZE	4X8X16		LINER SIZE	4X8X16

BRINKERHOFF BROTHERS LTD.

EDMONTON

CALGARY THIS IS THE 10 DAY FROM SPUD DATE

WELL No. 100-AM-SHEER MERRICK A-1
LSD 60° 20' N. 124° 25' W
SEC 12 TWP 20 R. 12
RANGE 12 W. MER 12
PROVINCE ALBERTA

R.S. No. 42
CO. SHEER
MERRICK

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DR
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	
13	4 1/2	179.38	5	12 1/4	12.00	12.15			RIG SET 20 BARS		12.00	3.00	DRILLER
1	STAND D.P.			SIZE					DRILL		8.8	88	DERRICK
13	SNGLS D.P.	394.68	TYPE	DMNS	3.00	3.15	15.00		SURVEY @ 15.41 40		3.5	32	DERRICK
13	LNTH CLRS	1521	SER NO	130578	2.15	7.00			DRILL				EXPLORE
	KELLY IN	1773	DEPTH OUT		7.00	7.15			SURVEY @ 16.00				HELPER
	OTHER	1660	HOURS RUN		7.15	8.00	16.06		DRILL				HELPER
	TOTAL	1660	FOOTAGE	310					DEVIATION				HELPER
	DRILL COLLARS		FOOTAGE						DEPTH				HELPER
	REAMER		CUTTER NO						DEGREES				HELPER
	NO	2950											HELPER
	2973	9											HELPER
	2973	6 1/2											HELPER

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DR
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	
13	4 1/2	1118	5	12 1/4	8.00	8.15			RIG SET 180PS		8.30	90	DRILLER
	STAND D.P.			SIZE					TRIP FOR BIT + MOVE				DERRICK
	SNGLS D.P.			SIZE	8.15				STANDARD 1254 UP 600 DC				MOTOR
13	LNTH CLRS	394.68	TYPE	DMNS	2.00	2.00	16.06	16.71	220 OFF				HELPER
	KELLY IN	1100	SER NO	130578	2.00	4.00							HELPER
	OTHER	1773	DEPTH OUT										HELPER
	TOTAL	16312	HOURS RUN										HELPER
	DRILL COLLARS		FOOTAGE	22 1/4									HELPER
	REAMER		CUTTER NO	25									HELPER
	NO	2950											HELPER
	2973	8 1/2											HELPER
	2973	1773											HELPER

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DR
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT	
14	4 1/2	1266.59	6	12 1/4	4.10	4.15			RIG SET 180PS - SURVEY		4.50	8.00	DRILLER
	STAND D.P.			SIZE					DRILL 12 1/4 HOLES		9.10	9.0	DERRICK
	SNGLS D.P.			SIZE	4.15	6.15	16.31	16.62	4.15 SURVEY - 5 1/4		VISC 38	38	MOTOR
13	LNTH CLRS	394.68	TYPE	DMNS	6.15	6.30			DRILL		W L CC		HELPER
	KELLY IN	19.00	SER NO	130578	6.30	10.45			SURVEY @ 16.90 - 4 1/4		FLTR CK		HELPER
	OTHER	1773	DEPTH OUT		10.45	11.00			DRILL		P H		HELPER
	TOTAL	17000.00	HOURS RUN	9 1/4			17.00		DEVIATION		MUD & CHEM ADDED		HELPER
	DRILL COLLARS		FOOTAGE	94					DEPTH		TYPE	AMOUNT	HELPER
	REAMER		CUTTER NO						DEGREES				HELPER
	NO	2950											HELPER
	2973	3253											HELPER
	2973	297.25											HELPER

REMARKS (REPAIRS ACCIDENTS AND ETC)

Main fuel tank 5' 6"

Small fuel tank 2' 4"

Remarks: Repairs accidents and etc.

Camp 2-1

Remarks: Repairs accidents and etc.

MORNING TOUR				DAY TOUR			
PUMP PRES	7.00	4.51	PUMP PRES	7.00	4.51	PUMP PRES	7.00
ROT R.P.M	55		ROT R.P.M	55		ROT R.P.M	55
POINTS WT	304.15		POINTS WT	304.15		POINTS WT	304.15
LINER SIZE	4X8X16		LINER SIZE	4X8X16		LINER SIZE	4X8X16

OFF BROTHERS LTD.

EDMONTON

DAY FROM SPUD DATE

7800 AM S HILL MECHANICAL CO. COMPANY
 60°-20'N 124°-25'W. RANGE
 PROV. CAN. W. MER
 YOKON TERR. PROVINCE

RIG NO. 42-11 DATE FEB 20/69
 TOOL POSTER
 Harold Heston

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	4	5	12	12.5	FROM	TO		TIME		DRILLER	
12.4	12.4	12.4	12.5	12.5			RIG SER. 11500	WT		BERT HEDIN	
12.5	12.5	12.5	12.5	12.5			CORE. & RUN SURVEY @ 1266 24"	VISC		DERRICK	
12.6	12.6	12.6	12.6	12.6			TRIP FOR NEW BIT. CHECK 6 1/2 DCS	W L CC		BERT HEDIN	
12.7	12.7	12.7	12.7	12.7			W/TURBOSCOPE & PICK UP 6-6 1/2 DCS	FLTR CK		MOTOR	
12.8	12.8	12.8	12.8	12.8			DRILL W/TURBOSCOPE	P H		HELPER	
12.9	12.9	12.9	12.9	12.9			DRILL W/TURBOSCOPE	MUD & CHEM ADDED		HELPER	
13.0	13.0	13.0	13.0	13.0			DRILL W/TURBOSCOPE	TYPE	AMOUNT	HELPER	
13.1	13.1	13.1	13.1	13.1			DRILL W/TURBOSCOPE			HELPER	
13.2	13.2	13.2	13.2	13.2			DRILL W/TURBOSCOPE			HELPER	
13.3	13.3	13.3	13.3	13.3			DRILL W/TURBOSCOPE			HELPER	
13.4	13.4	13.4	13.4	13.4			DRILL W/TURBOSCOPE			HELPER	
13.5	13.5	13.5	13.5	13.5			DRILL W/TURBOSCOPE			HELPER	
13.6	13.6	13.6	13.6	13.6			DRILL W/TURBOSCOPE			HELPER	
13.7	13.7	13.7	13.7	13.7			DRILL W/TURBOSCOPE			HELPER	
13.8	13.8	13.8	13.8	13.8			DRILL W/TURBOSCOPE			HELPER	
13.9	13.9	13.9	13.9	13.9			DRILL W/TURBOSCOPE			HELPER	
14.0	14.0	14.0	14.0	14.0			DRILL W/TURBOSCOPE			HELPER	
14.1	14.1	14.1	14.1	14.1			DRILL W/TURBOSCOPE			HELPER	
14.2	14.2	14.2	14.2	14.2			DRILL W/TURBOSCOPE			HELPER	
14.3	14.3	14.3	14.3	14.3			DRILL W/TURBOSCOPE			HELPER	
14.4	14.4	14.4	14.4	14.4			DRILL W/TURBOSCOPE			HELPER	
14.5	14.5	14.5	14.5	14.5			DRILL W/TURBOSCOPE			HELPER	
14.6	14.6	14.6	14.6	14.6			DRILL W/TURBOSCOPE			HELPER	
14.7	14.7	14.7	14.7	14.7			DRILL W/TURBOSCOPE			HELPER	
14.8	14.8	14.8	14.8	14.8			DRILL W/TURBOSCOPE			HELPER	
14.9	14.9	14.9	14.9	14.9			DRILL W/TURBOSCOPE			HELPER	
15.0	15.0	15.0	15.0	15.0			DRILL W/TURBOSCOPE			HELPER	

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	5	12.4	12.4	12.4	12.4			TIME		DRILLER	
12.5	12.5	12.5	12.5	12.5		RIG SER. 11500		WT	9.5	BERT HEDIN	
12.6	12.6	12.6	12.6	12.6		CORE. & RUN SURVEY @ 1266 24"		VISC	32	DERRICK	
12.7	12.7	12.7	12.7	12.7		TRIP FOR NEW BIT. CHECK 6 1/2 DCS		W L CC	38	BERT HEDIN	
12.8	12.8	12.8	12.8	12.8		W/TURBOSCOPE & PICK UP 6-6 1/2 DCS		FLTR CK		MOTOR	
12.9	12.9	12.9	12.9	12.9		DRILL W/TURBOSCOPE		P H		HELPER	
13.0	13.0	13.0	13.0	13.0		DRILL W/TURBOSCOPE		MUD & CHEM ADDED		HELPER	
13.1	13.1	13.1	13.1	13.1		DRILL W/TURBOSCOPE		TYPE	AMOUNT	HELPER	
13.2	13.2	13.2	13.2	13.2		DRILL W/TURBOSCOPE				HELPER	
13.3	13.3	13.3	13.3	13.3		DRILL W/TURBOSCOPE				HELPER	
13.4	13.4	13.4	13.4	13.4		DRILL W/TURBOSCOPE				HELPER	
13.5	13.5	13.5	13.5	13.5		DRILL W/TURBOSCOPE				HELPER	
13.6	13.6	13.6	13.6	13.6		DRILL W/TURBOSCOPE				HELPER	
13.7	13.7	13.7	13.7	13.7		DRILL W/TURBOSCOPE				HELPER	
13.8	13.8	13.8	13.8	13.8		DRILL W/TURBOSCOPE				HELPER	
13.9	13.9	13.9	13.9	13.9		DRILL W/TURBOSCOPE				HELPER	
14.0	14.0	14.0	14.0	14.0		DRILL W/TURBOSCOPE				HELPER	
14.1	14.1	14.1	14.1	14.1		DRILL W/TURBOSCOPE				HELPER	
14.2	14.2	14.2	14.2	14.2		DRILL W/TURBOSCOPE				HELPER	
14.3	14.3	14.3	14.3	14.3		DRILL W/TURBOSCOPE				HELPER	
14.4	14.4	14.4	14.4	14.4		DRILL W/TURBOSCOPE				HELPER	
14.5	14.5	14.5	14.5	14.5		DRILL W/TURBOSCOPE				HELPER	
14.6	14.6	14.6	14.6	14.6		DRILL W/TURBOSCOPE				HELPER	
14.7	14.7	14.7	14.7	14.7		DRILL W/TURBOSCOPE				HELPER	
14.8	14.8	14.8	14.8	14.8		DRILL W/TURBOSCOPE				HELPER	
14.9	14.9	14.9	14.9	14.9		DRILL W/TURBOSCOPE				HELPER	
15.0	15.0	15.0	15.0	15.0		DRILL W/TURBOSCOPE				HELPER	

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	5	12.4	12.4	12.4	12.4			TIME		DRILLER	
12.5	12.5	12.5	12.5	12.5		RIG SER. 11500		WT	8.6	BERT HEDIN	
12.6	12.6	12.6	12.6	12.6		CORE. & RUN SURVEY @ 1266 24"		VISC	34	DERRICK	
12.7	12.7	12.7	12.7	12.7		TRIP FOR NEW BIT. CHECK 6 1/2 DCS		W L CC	37	BERT HEDIN	
12.8	12.8	12.8	12.8	12.8		W/TURBOSCOPE & PICK UP 6-6 1/2 DCS		FLTR CK		MOTOR	
12.9	12.9	12.9	12.9	12.9		DRILL W/TURBOSCOPE		P H		HELPER	
13.0	13.0	13.0	13.0	13.0		DRILL W/TURBOSCOPE		MUD & CHEM ADDED		HELPER	
13.1	13.1	13.1	13.1	13.1		DRILL W/TURBOSCOPE		TYPE	AMOUNT	HELPER	
13.2	13.2	13.2	13.2	13.2		DRILL W/TURBOSCOPE				HELPER	
13.3	13.3	13.3	13.3	13.3		DRILL W/TURBOSCOPE				HELPER	
13.4	13.4	13.4	13.4	13.4		DRILL W/TURBOSCOPE				HELPER	
13.5	13.5	13.5	13.5	13.5		DRILL W/TURBOSCOPE				HELPER	
13.6	13.6	13.6	13.6	13.6		DRILL W/TURBOSCOPE				HELPER	
13.7	13.7	13.7	13.7	13.7		DRILL W/TURBOSCOPE				HELPER	
13.8	13.8	13.8	13.8	13.8		DRILL W/TURBOSCOPE				HELPER	
13.9	13.9	13.9	13.9	13.9		DRILL W/TURBOSCOPE				HELPER	
14.0	14.0	14.0	14.0	14.0		DRILL W/TURBOSCOPE				HELPER	
14.1	14.1	14.1	14.1	14.1		DRILL W/TURBOSCOPE				HELPER	
14.2	14.2	14.2	14.2	14.2		DRILL W/TURBOSCOPE				HELPER	
14.3	14.3	14.3	14.3	14.3		DRILL W/TURBOSCOPE				HELPER	
14.4	14.4	14.4	14.4	14.4		DRILL W/TURBOSCOPE				HELPER	
14.5	14.5	14.5	14.5	14.5		DRILL W/TURBOSCOPE				HELPER	
14.6	14.6	14.6	14.6	14.6		DRILL W/TURBOSCOPE				HELPER	
14.7	14.7	14.7	14.7	14.7		DRILL W/TURBOSCOPE				HELPER	
14.8	14.8	14.8	14.8	14.8		DRILL W/TURBOSCOPE				HELPER	
14.9	14.9	14.9	14.9	14.9		DRILL W/TURBOSCOPE				HELPER	
15.0	15.0	15.0	15.0	15.0		DRILL W/TURBOSCOPE				HELPER	

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLG CREW PAYROLL	
NO	5	12.4	12.4	12.4	12.4			TIME		DRILLER	
12.5	12.5	12.5	12.5	12.5		RIG SER. 11500		WT	8.6	BERT HEDIN	
12.6	12.6	12.6	12.6	12.6		CORE. & RUN SURVEY @ 1266 24"		VISC	34	DERRICK	
12.7	12.7	12.7	12.7	12.7		TRIP FOR NEW BIT. CHECK 6 1/2 DCS		W L CC	37	BERT HEDIN	
12.8	12.8	12.8	12.8	12.8		W/TURBOSCOPE & PICK UP 6-6 1/2 DCS		FLTR CK		MOTOR	
12.9	12.9	12.9	12.9	12.9		DRILL W/TURBOSCOPE		P H		HELPER	
13.0	13.0	13.0	13.0	13.0		DRILL W/TURBOSCOPE		MUD & CHEM ADDED		HELPER	
13.1	13.1	13.1	13.1	13.1		DRILL W/TURBOSCOPE		TYPE	AMOUNT	HELPER	
13.2	13.2	13.2	13.2	13.2		DRILL W/TURBOSCOPE				HELPER	
13.3	13.3	13.3	13.3	13.3		DRILL W/TURBOSCOPE				HELPER	
13.4	13.4	13.4	13.4	13.4		DRILL W/TURBOSCOPE				HELPER	
13.5	13.5	13.5	13.5	13.5		DRILL W/TURBOSCOPE				HELPER	
13.6	13.6	13.6	13.6	13.6		DRILL W/TURBOSCOPE				HELPER	
13.7	13.7	13.7	13.7	13.7		DRILL W/TURBOSCOPE				HELPER	
13.8	13.8	13.8	13.8	13.8		DRILL W/TURBOSCOPE				HELPER	
13.9	13.9	13.9	13.9	13.9		DRILL W/TURBOSCOPE				HELPER	
14.0	14.0	14.0	14.0	14.0		DRILL W/TURBOSCOPE				HELPER	
14.1	14.1	14.1	14.1	14.1		DRILL W/TURBOSCOPE				HELPER	
14.2	14.2	14.2	14.2	14.2		DRILL W/TURBOSCOPE				HELPER	
14.3	14.3	14.3	14.3	14.3		DRILL W/TURBOSCOPE				HELPER	
14.4	14.4	14.4	14.4	14.4		DRILL W/TURBOSCOPE				HELPER	
14.5	14.5	14.5	14.5	14.5		DRILL W/TURBOSCOPE				HELPER	
14.6	14.6	14.6	14.6	14.6		DRILL W/TURBOSCOPE				HELPER	
14.7	14.7	14.7	14.7	14.7		DRILL W/TURBOSCOPE				HELPER	
14.8	14.8	14.8	14.8	14.8		DRILL W/TURBOSCOPE				HELPER	
14.9	14.9	14.9	14.9	14.9		DRILL W/TURBOSCOPE				HELPER	
15.0	15.0	15.0	15.0	15.0		DRILL W/TURBOSCOPE				HELPER	

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	720 PSI	PUMP PRES	200 PSI	PUMP PRES	700 PSI
ROT R/W	60	ROT R/W	60	ROT R/W	50
POINTS WT	13	POINTS WT	13 1/2	POINTS WT	25.80
LINER SIZE	4 1/2 X 160	LINER SIZE	4 1/2 X 160	LINER SIZE	4 1/2 X 160

35 1/4 HRS CALIBERED 11 1/8"

CAMP TANK 21"

4"

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 6 DAY FROM SPUD DATE

WELL NO. 1
 LST SEC TWD RINGE
 60° - 20 N. 184° - 25 W.

COMPANY
 Paul American
 W. MER
 PROV. CAN. Yund Tera.

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		D
PIPE SIZE	FEET	RUN NO	SIZE		FROM	TO	FROM	TO			TIME	AMOUNT	
9	4 1/2	4	12 1/4		12.10	12.15			Red Seal B.O.P.s		3.00	6.00	DRILLER
5	8 1/2	10 1/4	12.15	1.15	9.18	9.34			Dark red mud		8.24	8.44	DERICK
7	20 1/2	1.15	1.30						Survey 2° - 9.60		2.7	2.5	MOTOR M.
	13.00	38 1/2	4.30		9.34	9.65			Dark				HELPER
	17.22	38 1/2	4.30						Survey @ 9.00 - 1.34				HELPER
	10.50	21 1/4	4.30		9.65	9.95			Dark				HELPER
	28.50	50 1/2	7.15						Survey @ 10.00 - 1.14				HELPER
	28.93		9.00		9.95	10.58			Dark				HELPER
	28.51		9.00										

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		D
PIPE SIZE	FEET	RUN NO	SIZE		FROM	TO	FROM	TO			TIME	AMOUNT	
10	4 1/2	4	12 1/4		8.00	8.15			Red Seal B.O.P.s		8.00	11.00	DRILLER
2	9 3/8	12 1/4	8.15	9.30	10.58				DRIC.		8.4	8.4	DERICK M.
7	20 1/2	9.30	9.45						Survey 10.51 1/4				MOTOR M.
	13.31	38 1/2	1.00						DRIC				HELPER
	17.22	38 1/2	1.15						Survey @ 11.45 - 1.14				HELPER
	11.78	28	1.15	2.30					DRIC				HELPER
	29.50	66.2	3.00						DRIC				HELPER
	8.793		3.00						DRIC				HELPER
	8.251		4.00						DRIC				HELPER

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		D
PIPE SIZE	FEET	RUN NO	SIZE		FROM	TO	FROM	TO			TIME	AMOUNT	
11	10 1/2	12 1/4	4.30		4.00	4.30			Red Seal B.O.P.s				DRILLER
2	10 1/2	12 1/4	4.30						DRIC				DERICK
7	20 1/2	1.15	1.30		9.30	9.45			Survey 10.51 1/4				MOTOR M.
	11.00	38 1/2	1.00						DRIC				HELPER
	17.22	38 1/2	1.15						Survey @ 11.45 - 1.14				HELPER
	11.78	28	1.15	2.30					DRIC				HELPER
	29.50	66.2	3.00						DRIC				HELPER
	8.793		3.00						DRIC				HELPER
	8.251		4.00						DRIC				HELPER

REMARKS (REPAIRS ACCIDENTS AND ETC.)

MAIN TANK 5' 2" 2 1/4 Dole 400 on stabilizer

SMALL 2' 4" CHARLES MARTIN INJURED LEFT HAND 7:30 PM BETWEEN THE TONGS

CAMP 2' 8" 1/2 HARKING CONVENTION

MORNING TOUR		DAY TOUR	
PUMP PRES	900	PUMP PRES	30
ROT RPM	60.70	ROT RPM	5-12
POINTS WT		POINTS WT	5-12
LINER SIZE	4 1/2 x 1 1/2	LINER SIZE	4 1/2 x 1 1/2

BRINKERHOFF BROTHERS LTD.

EDMONTON

THIS IS THE 45 DAY FROM SPUD DATE

WELL Red Fox South Main A-1 LSO 60° 30' N 134° 25' W COMPANY Red Fox Petroleum PROV. Alberta

R.S. NO. 42-11 TOOL PUSHER Yurand Taper

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD	
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT
3	4 1/2" CH	223.16	4	18 1/4	12.00	3.00			Run in w/ Dr. Collarage all			
	STAND D P			MFG					Das & Sons - Run up to 100 ft			
7	LNTH CLRS	208.92		YMG	3.00	4.00			THAN OUT HOLEY			
	KELLY IN	11.00	SER NO	387728	4.00	4.30			Pressure up to 4 1/2" Run to 100 ft			
	OTHER	13.23	DEPTH OUT		5.00	5.00			Pressure up to 4 1/2" Run to 100 ft			
	TOTAL	54.81	HOURS RUN		7.00	7.00			Drill out Run, Collarage & 500			
DRILL COLLARS			FOOTAGE		DEVIATION		DEPTH		MUD & CHEM ADDED		MUD RECORD	
NO	DIAMETER	LGTH									TYPE	AMOUNT
1	11"	2650	REAMER									
3	9"	8793	CUTTER NO									
3	6 1/2"	9251	TYPE									

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD	
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT
5	4 1/2"	422405	4	12 1/4	8.00	8.15			RIC SER.		9.00	8.3
	STAND D P			MFG	8.15	11.45			DRG 12 1/4 HOLE		8.3	
7	LNTH CLRS	209.92		YMG	11.45	12.00			LINE SURVEY @ 572 1/4"		8.3	
	KELLY IN	38.33	SER NO	387728	12.00	12.45			DRG 12 1/4			
	OTHER	17.23	DEPTH OUT		12.45	3.00			LINE SURVEY @ 662' 1 1/4"			
	TOTAL	60.00	HOURS RUN		3.00	4.00			DRG.			
DRILL COLLARS			FOOTAGE		DEVIATION		DEPTH		MUD & CHEM ADDED		MUD RECORD	
NO	DIAMETER	LGTH									TYPE	AMOUNT
1	11 1/4"	2950	REAMER									
3	9"	8793	CUTTER NO									
3	6 1/2"	9251	TYPE									

IN HOLE - END OF TOUR			BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD	
NO	PIPE SIZE	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME	WT
7	4 1/2"	6626	4	12 1/4	4.00	4.15			RIC SER.		8.3	8.3
	STAND D P			MFG	4.15	5.00			DRG			
7	LNTH CLRS	209.92		YMG	5.00	5.15			LINE SURVEY			
	KELLY IN	25.00	SER NO	387728	5.15	7.05			DRG			
	OTHER	17.73	DEPTH OUT		7.05	8.00			LINE SURVEY			
	TOTAL	51.8	HOURS RUN		8.00	10.00			DRG			
DRILL COLLARS			FOOTAGE		DEVIATION		DEPTH		MUD & CHEM ADDED		MUD RECORD	
NO	DIAMETER	LGTH									TYPE	AMOUNT
1	11 1/4"	2950	REAMER									
3	9"	8793	CUTTER NO									
3	6 1/2"	9251	TYPE									

REMARKS (REPAIRS ACCIDENTS AND ETC)

How time 5' 10"

Spore 2' 4"

Core 2' 4"

Overturn reported by Pan Cam.

Checked Kelly Cock 110000 SHUT OFFS

MORNING TOUR				DAY TOUR			
PUMP PRES	PS	PUMP PRES	PS	PUMP PRES	PS	PUMP PRES	PS
ROT RPM	44	ROT RPM	44	ROT RPM	44	ROT RPM	44
POINTS W	6	POINTS W	6	POINTS W	6	POINTS W	6
LINER SIZE	4 1/2"	LINER SIZE	4 1/2"	LINER SIZE	4 1/2"	LINER SIZE	4 1/2"

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PS	PUMP PRES	PSI	PUMP PRES	PS
ROT RPM		ROT RPM		ROT RPM	
POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE	

CALGARY

BRINKERHOFF BROTHERS LTD.

EDMONTON

WELL

42-11
SEC
TWP. R1-1

COMPANY

W/ MER PROVINCE

FIG NO

42-11
TOOL JOBS
HOMER

THIS IS THE 4 DAY FROM SPUD DATE

60°-20'N

124°-25'W

Yukon Tena

HOMER

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLOG	
PIPE NO	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME			
STAND D P			MFG							WT		DRILLER	
SNGLS D P										VISC		DERRICK	
LNTH CLRS			TYPE							W L CC		MOTOR	
KELLY IN			SER NO							FLTR CK		HELPER	
OTHER			DEPTH OUT							P H		HELPER	
TOTAL			HOURS RUN							MUD & CHEM. ADDED		HELPER	
DRILL COLLARS			FOOTAGE							TYPE	AMOUNT	HELPER	
NO	DIAMETER	LGTH	REAMER CUTTER NO							DEPTH	DEGREES	HELPER	
			TYPE									HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLOG	
PIPE NO	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME			
STAND D P			MFG							WT		DRILLER	
SNGLS D P										VISC		DERRICK	
LNTH CLRS			TYPE							W L CC		MOTOR	
KELLY IN			SER NO							FLTR CK		HELPER	
OTHER			DEPTH OUT							P H		HELPER	
TOTAL			HOURS RUN							MUD & CHEM. ADDED		HELPER	
DRILL COLLARS			FOOTAGE							TYPE	AMOUNT	HELPER	
NO	DIAMETER	LGTH	REAMER CUTTER NO							DEPTH	DEGREES	HELPER	
			TYPE									HELPER	

IN HOLE - END OF TOUR		BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRLOG	
PIPE NO	FEET	RUN NO	SIZE	FROM	TO	FROM	TO			TIME			
STAND D P			MFG							WT		DRILLER	
SNGLS D P										VISC		DERRICK	
LNTH CLRS			TYPE							W L CC		MOTOR	
KELLY IN			SER NO							FLTR CK		HELPER	
OTHER			DEPTH OUT							P H		HELPER	
TOTAL			HOURS RUN							MUD & CHEM. ADDED		HELPER	
DRILL COLLARS			FOOTAGE							TYPE	AMOUNT	HELPER	
NO	DIAMETER	LGTH	REAMER CUTTER NO							DEPTH	DEGREES	HELPER	
			TYPE									HELPER	

REMARKS (REPAIRS ACCIDENTS AND ETC.)

MAIN TRUNK

6'2"

Continue Reamed by Dan (Dan)

SMALL

2'4"

CAMP

2'3"

MORNING TOUR				DAY TOUR			
PUMP PRES		PSI		PUMP PRES		PSI	
ROT RPM				ROT RPM			
POINTS WT				POINTS WT			
LINER SIZE				LINER SIZE			

SLUSH PUMP RECO

OFF BROTHERS LTD.

EDMONTON
DAY FROM SPUD DATE

WELL
LSD
SEC
TWP
RNGE
COMPANY
W/
MER
PROVINCE

RIG NO
TOOL JOBS
DATE

BIT RECORD	TIME FROM TO	DRILLED FROM TO	FORMATION AND EXPLANATION	MUD RECORD		DRUG CREW PAYROLL	HRS
				TIME	AMOUNT		
				WT		DRILLER	
				VISC		DERICK	
				W L CC		MOTOR	
				FLTR CK		HELPER	
				P H		HELPER	
				MUD & CHEM ADDED		HELPER	
				TYPE	AMOUNT	HELPER	
						HELPER	
						HELPER	

BIT RECORD		TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL		HRS								
NO		FROM	TO	FROM	TO			TIME	WT	VISC	W L CC		FLTR CK	P H	MUD & CHEM ADDED	TYPE	AMOUNT	HELPER	HELPER	HELPER

BIT RECORD				TIME		DRILLED		FORMATION AND EXPLANATION		MUD RECORD		DRUG CREW PAYROLL		HRS
NO				FROM	TO	FROM	TO			TIME		DRILLER		
				4 00				HEADINGS	UP 30°S	WT		JERRY THORSEN	12	
										VISC		DERRICK	12	
										W L CC		WALSH DOCKEN	12	
										FLTR CK		MOTOR	12	
										P H		HELPER	12	
										MUD & CHEM ADDED		CHARLIE WARD	12	
										TYPE	AMOUNT	HELPER	12	
												CHARLES MARTIN	12	
												HELPER		
												HELPER		

Evening tour
Separated by bar chart

SLUSH PUMP RECORD			
MORNING TOUR		DAY TOUR	
PUMP PRES	PSI	PUMP PRES	PSI
ROT H P M		ROT R P M	
POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE	

SLUSH PUMP RECORD			
MORNING TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI
ROT H P M		ROT R P M	
POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE	