Company Representative: Art Whitney

Tool Pusher:

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE #3

Date FEB 5/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Report 1

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length
Bit Size				Length
Bit Type				Length
Dr. from			Kelly in =	
Dr. to			TOTAL =	
Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole	Jts.
Table R.P.M.			Pipe on Racks	Jts.

Depth ____ Deviation ____ Total Pipe on Lease ____ Jts.

Depth ____ Deviation ____ Diesel Fuel Meter Reading

Depth ____ Deviation ____ Today ____

Depth ____ Deviation ____ Yesterday ____

Consumption ____ Gals.

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12							Liner Size	Liner Size
1							Water-Loss	Filter Cake / PH
2								
3								
4								
5							Mud Added Sacks	
6							Chemicals Added Lbs.	

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	W. SEMAK	Core Bit	Serial
Derrickman	D. ANDERSON	Reaming Bit	Serial
Cat Headman	S. ANDERSEN	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	H. BOESTIE	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	G. SANTROCK		
Leaseman			

REMARKS	FROM	TO
W.O.C	12:00	3:00
RUN IN W/BIT FELT PLUG #1 @ 2950	3:00	4:15
HOIST BIT	4:15	5:15
RUN IN OPEN END	5:15	6:30
CIRC	6:30	7:00
RAN & DISPLACED PLUG NO 2.	7:00	7:45
HOIST 10 STANDS	7:45	8:00
Plug #2 2930-2590		
110 sax cement		
down AT 8:00 P.M.		

Report 2

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length
Bit Size				Length
Bit Type				Length
Dr. from			Kelly in =	
Dr. to			TOTAL =	
Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole	Jts.
Table R.P.M.			Pipe on Racks	Jts.

Depth ____ Deviation ____ Total Pipe on Lease ____ Jts.

Depth ____ Deviation ____ REMARKS:

Depth ____ Deviation ____

Depth ____ Deviation ____

Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8							Liner Size	Liner Size
9							Water-Loss	Filter Cake / PH
10								
11								
12								
1							Mud Added Sacks	
2							Chemicals Added Lbs.	
3								

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	D. MOHNS	Core Bit	Serial
Derrickman	D. BOESTIE	Reaming Bit	Serial
Cat Headman	M. LAFFRENTZ	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	O. RATTMANN	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	L. TRUSS		
Leaseman			

REMARKS	FROM	TO
RIG SERVICE & PUT UP HIGH LINE	8:00	9:00
LAY DOWN PIPE	9:00	11:15
RUN IN OPEN END & CIRC	11:15	11:45
RAN & DISPLACED PLUG NO: 3	11:45	12:00
W.O.C	12:00	4:00
Plug #3 268-158		
60 SAX CEMENT 2% CACL2		
FELT 2T 150 FT		

Report 3

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length
Bit Size				Length
Bit Type				Length
Dr. from			Kelly in =	
Dr. to			TOTAL =	
Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole	Jts.
Table R.P.M.			Pipe on Racks	Jts.

Depth ____ Deviation ____ Total Pipe on Lease ____ Jts.

Depth ____ Deviation ____ REMARKS:

Depth ____ Deviation ____

Depth ____ Deviation ____

Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4							Liner Size	Liner Size
5							Water-Loss	Filter Cake / PH
6								
7								
8								
9							Mud Added Sacks	
10							Chemicals Added Lbs.	
11								

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	B. BRISCOE	Core Bit	Serial
Derrickman	D. ANDERSEN	Reaming Bit	Serial
Cat Headman	C. PAULHUS	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	E. ANDERSEN	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	M. HACKNEY		
Leaseman			

REMARKS	FROM	TO
W.O.C.	4	6
Felt Plug # 3 Laid down Pipe	6	7
Tee-vout & Lay down	7:00	
B.O.Ps, Lines Etc.		12:00
Rig Released 12 midnite		

Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE #3

Date FEB 4/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

	Drilled From 3351 To 3381 Hole Made 30	Drilled From 3381 To 3410 Hole Made 29	Drilled From ____ To ____ Hole Made ____
Bit No.	14 / 15	15	
Serial No.	3900 / 32497	32497	
Bit Size	7 7/8 / 7 7/8	7 7/8	
Bit Type	OWC / OWC	OWC	
Dr. from	3205 / 3377	3377	
Dr. to	3377 / 3381	3410	
Cored from			
Cored to			
Reamed from			
Reamed to			
Total Bit Footage	172 / 4	33	
Bit Hrs.	24 / 3½	6	
Table R.P.M.	75 / 75	75	
No. Stds.	50	50-5	
No. D.C.'s	11	11	
Length	3025.49 / 318.11	3055.66 / 318.11	
Kelly in =	37.40	36.23	
TOTAL =	3381.00	3410.00	
D.C.O.D. Top	6 1/4	6 1/4	
Hrs. On Bottom	5 1/2	5 1/4	
D.C.I.D. Top	2 7/8	2 7/8	
Hrs. Off Bottom	2 1/2	2 3/4	
Pipe Size	4 1/2	4 1/2	
Trip Time	2 1/3	1	
C.S.G. Set at	217	217	
Serv. Time		1/4	
C.S.G. Size	8 5/8	8 5/14	
Rep. Time		1.	
Pipe in Hole	100 Jts.	101 Jts.	
Pipe on Racks	26 Jts.	25 Jts.	
Total Pipe on Lease	126 Jts.	126 Jts.	
Diesel Fuel Meter Reading			
Today			
Yesterday			
Consumption	Gals.		
REMARKS:			
Deviation			
Depth / Deviation			
Depth / Deviation			
Depth / Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4	No. 2 Pump Size 5 x 10 Liner Size 5
12								
1							Water-Loss	Filter Cake / PH
2								
3								
4								
5							Mud Added Sacks	
6							Chemicals Added Lbs.	

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4	No. 2 Pump Size 5 x 10 Liner Size 5
8	9.4	58	70	350	1/2			
9	9.4	58	70	350	1/2		Water-Loss	Filter Cake / PH
10	9.1	62	70	600	1/2	✓	4.6	2/32 / 12.0
11	9.1	62	70	600	1/2	✓		
12	9.2	57	70	600	1/2	✓		
1	9.2	57	70	600	1/2	✓		
2	9.2	60	70	660	1/2	✓	Mud Added Sacks	
3	TRIP						Chemicals Added Lbs.	CAUSTIC 200 LBS SPERSENE 200 LBS

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size Liner Size	No. 2 Pump Size Liner Size
4								
5							Water-Loss	Filter Cake / PH
6								
7								
8								
9							Mud Added Sacks	
10							Chemicals Added Lbs.	
11								

CREW	MATERIALS CHARGED TO OPERATOR
Driller W. SEMAK	Core Bit / Serial
Derrickman D. ANDERSON	Reaming Bit / Serial
Cat Headman S. ANDERSEN	Core Cutters SF. HF. / Core Catchers SF. HF.
Rotary Helper M. BOESTIE	Swab Cups / Swab Rubbers
Rotary Helper	
Fireman E. SANTROCK	
Leaseman	

REMARKS	FROM	TO
DRILLING	1200	445
HOIST FOR BIT	445	600
RUN IN W/ BIT	600	715
DRILLING	715	800

CREW	MATERIALS CHARGED TO OPERATOR
Driller D. MOHNS	Core Bit / Serial
Derrickman D. BOESTIE	Reaming Bit / Serial
Cat Headman M. LAFRENTZ	Core Cutters SF. HF. / Core Catchers SF. HF.
Rotary Helper O. ROTTMANN	Swab Cups / Swab Rubbers
Rotary Helper	
Fireman L. TRUSS	
Leaseman	

REMARKS	FROM	TO
RIG SERVICE	8:00	8:15
DRILL	8:15	12:15
WORK ON PUMP	12:15	1:15
DRILL	1:15	2:30
CIRC SAMPLE	2:30	3:00
HOIST & STRAP PIPE	3:00	4:00

CREW	MATERIALS CHARGED TO OPERATOR
Driller B. BRISCOE	Core Bit / Serial
Derrickman D. L. ANDERSON	Reaming Bit / Serial
Cat Headman L. PAULHUS	Core Cutters SF. HF. / Core Catchers SF. HF.
Rotary Helper R. ANDERSEN	Swab Cups / Swab Rubbers
Rotary Helper	
Fireman M. HACKNEY	
Leaseman	

REMARKS	FROM	TO
HOIST & STRAP PIPE	400	445
RUN IN OPEN END	445	615
WORK ON STAND PIPE	615	715
CIRC	715	815
RAN & DISP. PLUG 1st	815	900
HOIST & LAY DOWN COLLARS.	900	1200
Plug #1 3410-2940 200 SAX 2% CLCA2 Down at 900 P.M.		
MEASURED - 3055.31		
PIPE TALLY - 3055.66		
DIFF .35		

Company Representative: [signature]

Tool Pusher: [signature]

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Date FEB 3/60

Tour 1

Drilled From 3205 To 3244 Hole Made 39

Bit No.	14
Serial No.	3900
Bit Size	7 7/8
Bit Type	OWC
Dr. from	3205
Dr. to	3244
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	39
Bit Hrs.	6 1/2
Table R.P.M.	75

No. Stds.	48	Length	2904.01
No. D.C.'s	11	Length	318.11
		Length	
		Length	
Kelly in =			21.88
TOTAL =			3244.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	6 1/2
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1 1/2
Pipe Size	4 1/2	Trip Time	1 1/2
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Rep. Time	
Pipe in Hole	96 Jts.		
Pipe on Racks	30 Jts.		
Total Pipe on Lease	126 Jts.		

Diesel Fuel Meter Reading: Today ____ Yesterday ____ Consumption ____ Gals.

Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						
2	9.4	100	70	600	1/2	
3	9.4	100	70	600	1/2	
4	9.2	95	70	600	1/2	
5	9.2	95	70	600	1/2	
6	9.2	97	70	600	1/2	
	9.2	98	70	600	1/2	

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4
No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
3.5	2/32	11.0

Mud Added Sacks:
Chemicals Added Lbs.: 150 lbs. - CAUSTIC. 150 lbs - SPERSENE.

CREW

Driller	W. SEMAR
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit ____ Serial ____
Reaming Bit ____ Serial ____
Core Cutters SF. HF. ____ Core Catchers SF. HF. ____
Swab Cups ____ Swab Rubbers ____

REMARKS	FROM	TO
RUN IN W/BIT	12:00	1:30
DRILL	1:30	8:00

Tour 2

Drilled From 3244 To 3287 Hole Made 43

Bit No.	14
Serial No.	3900
Bit Size	7 7/8
Bit Type	OWC
Dr. from	3205
Dr. to	3287
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	82
Bit Hrs.	13 3/4
Table R.P.M.	75

No. Stds.	48-S	Length	2933.96
No. D.C.'s	11	Length	318.11
		Length	
		Length	
Kelly in =			34.93
TOTAL =			3287.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	3/4
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	1/4
C.S.G. Size	8 5/8	Rep. Time	
Pipe in Hole	97 Jts.		
Pipe on Racks	29 Jts.		
Total Pipe on Lease	126 Jts.		

REMARKS:

Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.2	98	70	600	1/2	
9	9.2	100	70	600	1/2	
10	9.3	100	70	600	1/2	
11	9.2	108	70	600	1/2	
12						
1						
2						
3						

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4
No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
4.6	2/32	12.5

Mud Added Sacks:
Chemicals Added Lbs.: 50 lbs - CAUSTIC. 50 lbs - SPERSENE.

CREW

Driller	D. MOHNS
Derrickman	
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit ____ Serial ____
Reaming Bit ____ Serial ____
Core Cutters SF. HF. ____ Core Catchers SF. HF. ____
Swab Cups ____ Swab Rubbers ____

REMARKS	FROM	TO
RIG SERVICE	8:00	8:15
DRILL	8:15	3:30
CONDITION MUD TO DRILL ANHYDRITE	3:30	4:00

Tour 3

Drilled From 3287 To 3351 Hole Made 64

Bit No.	14
Serial No.	3900
Bit Size	7 7/8
Bit Type	OWC
Dr. from	3205
Dr. to	3351
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	146
Bit Hrs.	19 1/4
Table R.P.M.	75

No. Stds.	49-1	Length	2995.35
No. D.C.'s		Length	318.11
		Length	
		Length	
Kelly in =			37.55
TOTAL =			3351.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Rep. Time	
Pipe in Hole	99 Jts.		
Pipe on Racks	27 Jts.		
Total Pipe on Lease	126 Jts.		

REMARKS:

Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						✓
5		HEAL				✓
6						✓
7						✓
8						✓
9						✓
10						✓
11						✓

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4
No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
7.0	2/32	12.5

Mud Added Sacks: 800 lbs MY-KO-GEL. 100 lbs BICARB
Chemicals Added Lbs.: 800 lbs CAUSTIC. 100 lbs SPERSENE

CREW

Driller	G. BRISCOE
Derrickman	D. ANDERSEN
Cat Headman	L. PAULHUS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit ____ Serial ____
Reaming Bit 4 BAGS Serial ____
Core Cutters SF. HF. ____ Core Catchers SF. HF. ____
Swab Cups ____ Swab Rubbers ____

REMARKS	FROM	TO
CONDITION MUD (ANHYDRITE)	4:00	6:30
DRILLING	6:30	12:00

3351
3320
1/x
3

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE #3

Company Representative

Tool Pusher

Date Feb 2/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Report 1

Drilled From 3068 To 3112 Hole Made 44

Bit No.	12	13
Serial No.	5397	53806
Bit Size	7 7/8	7 7/8
Bit Type	OWV	OWV
Dr. from	3016	3107
Dr. to	3107	3112
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	91	5
Bit Hrs.	13 3/4	4
Table R.P.M.	80	80

No. Stds. 46 Length 2783.26
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 10.63
TOTAL = 3112.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom 5 1/2
D.C.I.D. Top 2 7/8 Hrs. Off Bottom 2 1/2
Pipe Size 4 1/2 Trip Time 2 1/2
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 92 Jts.
Pipe on Racks 34 Jts.
Total Pipe on Lease 126 Jts.

Diesel Fuel Meter Reading
Today
Yesterday
Consumption Gals.

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	9.5	70	70	600	1/2	
1	9.5	70	70	600	1/2	
2	9.5	70	70	600	1/2	
3	9.6	78	70	600	1/2	
4	9.6	75	70	600	1/2	
5	9.6	68	70	600	1/2	
6	TRIP					

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
3.4	2/32	12.5

Mud Added Sacks
Chemicals Added Lbs.

CREW

Driller W. SEMAR
Derrickman D. ANDERSON
Cat Headman S. ANDERSEN
Rotary Helper H. BOGSTIE
Rotary Helper
Fireman G. SANTRUCK
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit Serial
Reaming Bit Serial
Core Cutters SF. HF. Core Catchers SF. HF.
Swab Cups Swab Rubbers

REMARKS	FROM	TO
DRILLING	12:00	5:15
HOIST & STRAP PIPE	5:15	6:30
RUN IN W/BIT	6:30	7:45
DRILL	7:45	8:00

MEASURED 2783.70
PIPE TALLY 2783.26
DIFF .44
NO CORRECTION MADE

Report 2

Drilled From 3112 To 3177 Hole Made 65

Bit No.	13	
Serial No.	53806	
Bit Size	7 7/8	
Bit Type	OWV	
Dr. from	3107	
Dr. to	3177	
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	70	
Bit Hrs.	8	
Table R.P.M.	75	

No. Stds. 47 Length 3843.59
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 15.32
TOTAL = 3177.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom 7 3/4
D.C.I.D. Top 2 7/8 Hrs. Off Bottom 1/4
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time 1/4
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 94 Jts.
Pipe on Racks 32 Jts.
Total Pipe on Lease 126 Jts.

REMARKS:

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.6	68	70	600	1/2	
9	9.7	65	70	600	1/2	
10	9.7	65	70	600	1/2	
11	9.7	65	70	600	1/2	
12	9.7	63	70	600	1/2	
1	9.7	63	70	600	1/2	
2	M					
3			MUD			

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
4.	2/32	12.5

Mud Added Sacks 20 Sax GEL
Chemicals Added Lbs.

CREW

Driller D. MOHNS
Derrickman
Cat Headman D. BOGSTIE
Rotary Helper M. LAURENTZ
Rotary Helper
Fireman L. TRUSS
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit Serial
Reaming Bit Serial
Core Cutters SF. HF. Core Catchers SF. HF.
Swab Cups Swab Rubbers

REMARKS	FROM	TO
RIG SERVICE	8:00	8:15
DRILL	8:15	4:00

Report 3

Drilled From 3177 To 3205 Hole Made 28

Bit No.	13	
Serial No.	53806	
Bit Size	7 7/8	
Bit Type	OWV	
Dr. from	3107	
Dr. to	3205	
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	98	
Bit Hrs.	14 1/4	
Table R.P.M.	75	

No. Stds. 47-5 Length 2873.82
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 13.07
TOTAL = 3205.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom
D.C.I.D. Top 7 7/8 Hrs. Off Bottom
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 95 Jts.
Pipe on Racks 31 Jts.
Total Pipe on Lease 126 Jts.

REMARKS:

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	9.4		70	600	1/2	
5						
6						
7						
8						
9						
10						
11						

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks C
Chemicals Added Lbs.

CREW

Driller B. BRISCOE
Derrickman D. ANDERSEN
Cat Headman L. DAVIDUS
Rotary Helper B. ANDERSEN
Rotary Helper
Fireman W. HEARNEY
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit Serial
Reaming Bit Serial
Core Cutters SF. HF. Core Catchers SF. HF.
Swab Cups Swab Rubbers

REMARKS	FROM	TO
DRILLING.	4:00	10:15
CIRC SAMPLE.	10:15	10:30
HOIST FOR BIT.	10:30	11:45
SLIP LINE.	11:45	12:00

GUTHRIE McLAREN DRILLING LTD.

Company Representative: Art Wibberley

Tool Pusher:

Well No. BRIGGS WEST TATHLINA LAKE #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Date FEB 1/60

Run 1

Drilled From ____ To ____ Hole Made ____

Bit No.	12
Serial No.	D94140
Bit Size	7 7/8
Bit Type	VSI
Dr. from	
Dr. to	
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	
Bit Hrs.	
Table R.P.M.	

No. Stds.	44 Length 2661.79
No. D.C.'s	11 Length 318.11
	Length
	Length
Kelly in =	36.10
TOTAL =	3016.00
D.C.O.D. Top	6 1/4 Hrs. On Bottom
D.C.I.D. Top	2 7/8 Hrs. Off Bottom
Pipe Size	4 1/2 Trip Time
C.S.G. Set at	217 Serv. Time
C.S.G. Size	8 5/8 Rep. Time
Pipe in Hole	88 Jts.
Pipe on Racks	38 Jts.
Total Pipe on Lease	126 Jts.

Diesel Fuel Meter Reading: Today ____ Yesterday ____ Consumption ____ Gals.

Deviation: Depth ____ Deviation ____; Depth ____ Deviation ____; Depth ____ Deviation ____; Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	D.S.	T.#	3			
1	INT 2960-2973					
2	I.O. 30 min	I.S.I. 75 min	F.S.I. 30 min			
3	REC	90' of Sulphurous SALT Water				
4	IHP 1453	FHP 1453				
5	ISP 1308	FSP				
6	IFP 72	FFP				

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH
Stabbed		

Mud Added Sacks 108
Chemicals Added Lbs. 417

CREW

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
CIRC PRIOR TO TEST	1200	245
HOIST PIPE	245	345
PICKUP & MAKE UP PACKER	345	430
RUN IN W/ PACKER	430	630
INITIAL SHUT IN	630	745
TESTING	745	860
CHECKED B.O.P.S O.K.		

Run 2

Drilled From 3016 To 3028 Hole Made 12

Bit No.	12
Serial No.	53497
Bit Size	7 7/8
Bit Type	OWV
Dr. from	3016
Dr. to	3028
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	12
Bit Hrs.	1 1/2
Table R.P.M.	75

No. Stds.	44-S Length 2692.09
No. D.C.'s	11 Length 318.11
	Length
	Length
Kelly in =	17.80
TOTAL =	3028.00
D.C.O.D. Top	6 1/4 Hrs. On Bottom 1 1/2
D.C.I.D. Top	2 7/8 Hrs. Off Bottom 6 1/2
Pipe Size	4 1/2 Trip Time 2 3/4
C.S.G. Set at	217 Serv. Time
C.S.G. Size	8 5/8 Rep. Time
Pipe in Hole	89 Jts.
Pipe on Racks	37 Jts.
Total Pipe on Lease	126 Jts.

REMARKS:

Deviation: Depth ____ Deviation ____; Depth ____ Deviation ____; Depth ____ Deviation ____; Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12						
1						
2						
3						

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks 20 SX Sawdust
Chemicals Added Lbs.

CREW

Driller	D. McHUS
Derrickman	
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TRUSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
TESTING	8:00	9:00
HOIST PACKER	9:00	10:45
BREAK & LAY DOWN PACKER	10:45	11:45
CONDITION MUD & BREAK & LAY DOWN CORE BBL	11:45	1:00
RUN IN W/BIT #12	1:00	2:00
CIRC	2:00	2:30
DRILL	2:30	4:00

Run 3

Drilled From 3028 To 3068 Hole Made 40

Bit No.	12
Serial No.	53497
Bit Size	7 7/8
Bit Type	OWV
Dr. from	3016
Dr. to	3068
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	40
Bit Hrs.	8 1/2
Table R.P.M.	80

No. Stds.	45 Length 2722.64
No. D.C.'s	11 Length 318.11
	Length
	Length
Kelly in =	27.25
TOTAL =	3068.00
D.C.O.D. Top	6 1/4 Hrs. On Bottom 7
D.C.I.D. Top	2 7/8 Hrs. Off Bottom 1
Pipe Size	4 1/2 Trip Time
C.S.G. Set at	217 Serv. Time
C.S.G. Size	8 5/8 Rep. Time
Pipe in Hole	90 Jts.
Pipe on Racks	36 Jts.
Total Pipe on Lease	126 Jts.

REMARKS:

Deviation: Depth ____ Deviation ____; Depth ____ Deviation ____; Depth ____ Deviation ____; Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						
5	9.3	90	60	600		
6	9.4	87	60	600		
7	9.4	87	60	600		
8	9.4	87	60	600		
9	9.3	86	60	600		
10	9.3	86	60	600		
11	9.3	85	60	600		

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH
3.2	2/3	12.3

Mud Added Sacks
Chemicals Added Lbs.

CREW

Driller	B. BISCOE
Derrickman	D. ANDERSON
Cat Headman	P. BULHUS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
DRILLING	400	700
REAM TIGHT HOLE ON CONNECTION	700	800
DRILLING	800	1200

GUTHRIE McLAREN DRILLING LTD.

Company Representative: A. W. Guthrie

Tool Pusher:

Well No. BRIGGS WEST TATHLINA LAKE #3

Date JAN 31/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Drilled From 3016 To ____ Hole Made ____

Bit No.	13	No. Stds.	44	Length	2661.79
Serial No.	D94148	No. D.C.'s	11	Length	318.11
Bit Size	7 7/8			Length	
Bit Type	VS1			Length	
Dr. from		Kelly in =			36.10
Dr. to		TOTAL =			3016.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	217	Serv. Time	
Total Bit Footage		C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.		Pipe in Hole	88 Jts.	Diesel Fuel Meter Reading	
Table R.P.M.		Pipe on Racks	38 Jts.	Today	
Depth	Deviation	Total Pipe on Lease	126 Jts.	Yesterday	
Depth	Deviation			Consumption	Gals.
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	9.3	95	50		1/2	
1	9.3	95	50		1/2	
2	9.4	97	50		1/2	
3	9.3	93	50		1/2	
4	9.3	93	50		1/2	
5	9.3	95	50		1/2	
6	9.3	97	50		1/2	
TRIP						

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4

No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
6.	2/32	12.5

Mud Added Sacks

Chemicals Added Lbs.

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	W. SEMAR	Core Bit	Serial
Derrickman	D. ANDERSON	Reaming Bit	Serial
Cat Headman	S. ANDERSEN	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	H. BOGSTIE	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	E. SANTROCK		
Leaseman			

REMARKS	FROM	TO
WAIT ON SONIC TOOL		
CIRC & ~~WAIT ON ORDERS~~	12:00	7:15
HOIST TO LOG	7:15	8:00

Drilled From ____ To ____ Hole Made ____

Bit No.	12	No. Stds.	44	Length	2661.79
Serial No.	D94140	No. D.C.'s	11	Length	318.11
Bit Size	7 7/8			Length	
Bit Type	4S1			Length	
Dr. from		Kelly in =			36.10
Dr. to		TOTAL =			3016.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	8
Reamed from		Pipe Size	4 1/2	Trip Time	1 1/2
Reamed to		C.S.G. Set at	217	Serv. Time	
Total Bit Footage		C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.		Pipe in Hole	88 Jts.	REMARKS:	
Table R.P.M.		Pipe on Racks	38 Jts.		
Depth	Deviation	Total Pipe on Lease	126 Jts.		
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.5	97	50		1/2	
9	9.6	97	50		1/2	
10	9.6	98	50		1/2	
11	9.6	100	50		1/2	
12	9.6	100	50		1/2	
1	T	R			I/P	
2						
3						

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4

No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
6.	2/32	12.5

Mud Added Sacks

Chemicals Added Lbs.

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	D. MOHNS	Core Bit	Serial
Derrickman		Reaming Bit	Serial
Cat Headman	D. BOESTIE	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	M. LAFRENTZ	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	L. TRUSS		
Leaseman			

REMARKS	FROM	TO
HOIST TO LOG	8:00	8:45
RIG TO LOG	8:45	9.15
LOGGING	9:15	12:00
TEAR OUT LOGGERS	12:00	12:30
ROD IN TO CIRC	12:30	2:00
CIRC & WAIT ON ORDERS	2:00	4:00

Drilled From ____ To 3016 Hole Made ____

Bit No.		No. Stds.	44	Length	2661.79
Serial No.		No. D.C.'s	11	Length	318.11
Bit Size				Length	
Bit Type				Length	
Dr. from		Kelly in =			36.10
Dr. to		TOTAL =			3016.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	217	Serv. Time	
Total Bit Footage		C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	
Table R.P.M.		Pipe on Racks	Jts.		
Depth	Deviation	Total Pipe on Lease	Jts.		
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	9.1	165	50		LOW 1/2	
5	9.1	160	50		LOW	✓
6	M	R	X			—
7						—
8		M	4			—
9			D			—
10	9.2	100	50			—
11	9.2	100	50			—

No. 1 Pump Size — Liner Size

No. 2 Pump Size — Liner Size

Water-Loss	Filter Cake	PH
4.0	2/32	12.5

Mud Added Sacks 300 BBLS ~~15 SX MY-10-BEN~~

Chemicals Added Lbs. 300 LBS CAUSTIC, 150 LBS SPERSENE

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	B. BISCOE	Core Bit	Serial
Derrickman	D. ANDERSON	Reaming Bit	HRS Serial
Cat Headman	L. PAULHUS	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	B. ANDERSEN	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	M. HACKNEY		
Leaseman			

REMARKS	FROM	TO
CIRC & COND MUD PRIOR TO TEST	4:00	17:00

Art Whiting
Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE 3F

Date JAN 30/60

Lsd. ______ Sec. ______ Twp. ______ Rge. ______ W. ______

Tour 1

Drilled From 3016 To ______ Hole Made ______

Bit No.	12	No. Stds.	Length 2661.79
Serial No.	D94140	No. D.C.'s	Length 318.11
Bit Size	7 7/8		Length
Bit Type	YS1		Length
Dr. from	3016	Kelly in =	36.10
Dr. to		TOTAL =	3016.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.		Pipe in Hole 88 Jts.	Diesel Fuel Meter Reading
Table R.P.M.		Pipe on Racks 38 Jts.	Today
Depth	Deviation	Total Pipe on Lease 126 Jts.	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	9.5					
1						
2						
3						
4						
5						
6						
7						

No. 1 Pump Size 6 3/4 X 12 — No. 2 Pump Size 5 X 10
Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks: 26 SX GEL
Chemicals Added Lbs.:

CREW

Driller	B. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	L. PAULHUS
Rotary Helper	R. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
E. LOGGING	12:00	6:00
RUN IN W/ BIT	6:00	7:00
CIRC & ~~WAIT ON ORDERS~~ WAIT ON SONIC TOOL	7:00	8:00

Tour 2

Drilled From 3016 To ______ Hole Made ______

Bit No.	12	No. Stds. 44	Length 2661.79
Serial No.	D94140	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	YS1		Length
Dr. from	3016	Kelly in =	36.10
Dr. to		TOTAL =	3016.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.		Pipe in Hole 88 Jts.	REMARKS:
Table R.P.M.		Pipe on Racks 38 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.6		50		1/2	
9	9.6		50		1/2	
10	9.5		50		1/2	
11	9.3		50		1/2	
12	9.3		50		1/2	
1	9.3		50		1/2	
2	9.3	165	50		1/2	
3	9.3	165	50		1/2	

(written across Vis. column: CIRC & WAIT ON ORDERS)

No. 1 Pump Size 6 3/4 X 12 — No. 2 Pump Size 5 X 10
Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH
6.	2/32	11.0
5.2	3/32	12.5

Mud Added Sacks: 250 LBS - MY-LO-GEL
Chemicals Added Lbs.: 150 LBS - CAUSTIC; 100 LBS - SPERSENE; 50 LBS - RAY-FLO

CREW

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	C. SANTROCK
Leaseman	C. GRAY

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
CIRC & ~~WAIT ON ORDERS~~ WAIT FOR SONIC TOOL	8:00	4:00

Tour 3

Drilled From ______ To ______ Hole Made ______

Bit No.	12	No. Stds. 44	Length 2661.79
Serial No.	D94140	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	YS1		Length
Dr. from		Kelly in =	36.10
Dr. to		TOTAL =	3016.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom 8
Reamed from		Pipe Size 4 1/2	Trip Time 2 1/2
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage		C.S.G. Size 8 5/8	CIRC ~~Rep.~~ Time 5 1/2
Bit Hrs.		Pipe in Hole 88 Jts.	REMARKS:
Table R.P.M.		Pipe on Racks 38 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	9.3	150	50		1/2	
5	9.3	150	50		1/2	
6	9.3	150	50		1/2	
7	9.4	150	50		1/2	
8	9.4	150	50		1/2	
9	T					
10	R					
11	I	P				

No. 1 Pump Size 6 3/4 X 12 — No. 2 Pump Size 5 X 10
Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks:
Chemicals Added Lbs.:

CREW

Driller	D. McHAS
Derrickman	
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
~~CIRC & WAIT ON ORDERS~~ WAIT FOR SONIC TOOL	4:00	8:30
DUMMY TRIP	8:30	11:00
~~CIRC & WAIT ON ORDERS~~ WAIT FOR SONIC TOOL	11:00	12:00

Company Representative: Art Whetung

Tool Pusher:

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE 37

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Report 1

Drilled From ____ To 3016 Hole Made ____

Date JAN 29/60

Bit No.		No. Stds.	Length
Serial No.		No. D.C.'s	Length
Bit Size			Length
Bit Type			Length
Dr. from		Kelly in =	36.10
Dr. to		TOTAL =	
Cored from		D.C.O.D. Top	Hrs. On Bottom
Cored to		D.C.I.D. Top	Hrs. Off Bottom
Reamed from		Pipe Size	Trip Time
Reamed to		C.S.G. Set at	Serv. Time
Total Bit Footage		C.S.G. Size	Rep. Time
Bit Hrs.		Pipe in Hole Jts.	Diesel Fuel Meter Reading
Table R.P.M.		Pipe on Racks Jts.	Today
Depth	Deviation	Total Pipe on Lease Jts.	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size / Liner Size	No. 2 Pump Size / Liner Size
12								
1							Water-Loss	Filter Cake / PH
2							200 LBS CAUSTIC	
3							100 LBS SPERSENE	
4							"	
5							Mud Added Sacks 6 SAKE	
6							Chemicals Added Lbs.	

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	B BISCOE	Core Bit	Serial
Derrickman	D ANDERSON	Reaming Bits	Serial
Cat Headman	L PAULHUS	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	B ANDERSEN	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	M HACKNEY		
Leaseman			

REMARKS	FROM	TO
HOISTING	1200	100
MIXING GEL & LOSS CIRC MATERIAL	100	200
WAITING ON GEL.	200	800

Report 2

Drilled From ____ To 3016 Hole Made ____

Bit No.	11	No. Stds. 44	Length 2661.79
Serial No.	12624	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	6WV		Length
Dr. from		Kelly in =	36.10
Dr. to		TOTAL =	3016.00
Cored from		D.C.O.D. Top	Hrs. On Bottom
Cored to		D.C.I.D. Top	Hrs. Off Bottom
Reamed from		Pipe Size	Trip Time
Reamed to		C.S.G. Set at	Serv. Time
Total Bit Footage		C.S.G. Size	Rep. Time
Bit Hrs.		Pipe in Hole Jts.	REMARKS:
Table R.P.M.		Pipe on Racks Jts.	
Depth	Deviation	Total Pipe on Lease Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size 6 3/4 x 12 / Liner Size 6 3/4	No. 2 Pump Size 5 x 10 / Liner Size 5
8								
9							Water-Loss	Filter Cake / PH
10								
11								
12								
1							Mud Added Sacks	
2							Chemicals Added Lbs.	
3								

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	W. SEMAK	Core Bit	Serial
Derrickman	D. ANDERSON	Reaming Bits	Serial
Cat Headman	S. ANDERSEN	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	H. BOGSTIE	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	E. SANTROCK		
Leaseman	C. GRAY		

REMARKS	FROM	TO
WAITING ON GEL & MIX LOSS CIRC MATERIAL	800	1230
RUN IN	1230	100
MIX GEL	100	230
RUN IN W/ REST DRILL STEM	230	315
PUMP DOWN LOSS CIRC MATERIAL	315	400

Report 3

Drilled From ____ To ____ Hole Made ____

Bit No.	11	No. Stds. 44	Length 2661.79
Serial No.	12624	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	6WV		Length
Dr. from	2962	Kelly in =	36.10
Dr. to		TOTAL =	3016.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom 8
Reamed from		Pipe Size 4 1/2	Trip Time 1 1/2
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.		Pipe in Hole 88 Jts.	REMARKS:
Table R.P.M.		Pipe on Racks 38 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size 6 3/4 x 12 / Liner Size 6 3/4	No. 2 Pump Size 5 x 10 / Liner Size 5
4								
5							Water-Loss	Filter Cake / PH
6							11 SAX - SAWDUST	
7							7 SAX - FIBER SEAL	
8							100 LBS - MY-LO-GEL	
9							Mud Added Sacks 4800 LBS - GEL	
10							Chemicals Added Lbs. 100 LBS - SPERSENE	
11	100 LBS CAUSTIC						100 LBS - RAY-FLO	

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	D MOHRS	Core Bit	Serial
Derrickman		Reaming Bit	Serial
Cat Headman	D. BOGSTIE	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	M. LAERENTZ	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	L. TRUSS		
Leaseman			

REMARKS	FROM	TO
CONDITIONS MUD	4:00	8:45
HOIST TO LOG	8:45	10:15
RIG TO LOG	10:15	10:45
LOGGING	10:45	12:00

Company Representative: A. W. Guthrie

Tool Pusher:

GUTHRIE McLAREN DRILLING LTD.

Date JAN 28/60

Well No. BRIGGS WEST TATHLINA LAKE 3#

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Drilled From 2956 To 2962 Hole Made 6

Bit No.	10
Serial No.	5399
Bit Size	7 7/8
Bit Type	DTJV
Dr. from	2807
Dr. to	2962
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	155
Bit Hrs.	18 1/2
Table R.P.M.	90

No. Stds. 413-1 Length 2631.52
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 12.37
TOTAL = 2962.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom
D.C.I.D. Top 2 7/8 Hrs. Off Bottom
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 87 Jts. | Diesel Fuel Meter Reading
Pipe on Racks 39 Jts. | Today
Total Pipe on Lease 126 Jts. | Yesterday
Consumption Gals.

Depth 2962 Deviation 3 1/4 °
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						
2						
3						
4						
5						
6						
7						

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW

Driller	B. KRISCOE
Derrickman	J. ANDERSON
Cat Headman	J. DAUNIES
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACHNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS

	FROM	TO
DRILLING.	1200	115
CIRC. PRIOR TO TEST.	115	130
SURVEY & SLIP LINE.	130	200
HOISTING.	200	330
MAKE UP TOOL.	330	445
RUN IN HOLE.	445	630
MAKE UP TESTING HEAD.	630	700
WELL ON TEST.	700	800

Drilled From 2962 To 2977 Hole Made 15

Bit No.	11
Serial No.	72624
Bit Size	7 7/8
Bit Type	OWV
Dr. from	2962
Dr. to	2977
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	15
Bit Hrs.	1 3/4
Table R.P.M.	90

No. Stds. Length 2631.52
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 27.37
TOTAL = 2977.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom
D.C.I.D. Top 2 7/8 Hrs. Off Bottom
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 87 Jts. | REMARKS:
Pipe on Racks 39 Jts.

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation
Total Pipe on Lease 126 Jts.

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	D.S.T. #2					
9	INT 2930-2962					
10	VO 60 min IS1 30 min FS1 60 min					
11	VERY WEAK AIR BLOW					
12	REC 15' OF DRILLING MUD					
1	H.P. 1627-1627 SIP 1200-1101 FP 4-6					
2						
3						

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	C. GRAY

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS

	FROM	TO
WELL ON TEST	800	1000
BREAK TESTING HEAD	1000	1015
HOIST PACKER	1015	1130
BREAK & LAYDOWN PACKER	1130	1230
RUN IN W/BIT BREAK CIRC	1230	200
WORK ON GOOSE NECK	200	215
DRILLING & CONDITION MUD	215	400
DRILLER HURT RIGHT ARM BETWEEN ELBOW & SHOULDER, CHEST & LEFT ELBOW BY TONGS WHEN THROWN TO FLOOR WHEN UNLATCHED FROM PIPE AT 1:15 PM		

Drilled From 2977 To 3016 Hole Made 39

Bit No.	11
Serial No.	72624
Bit Size	7 7/8
Bit Type	OWV
Dr. from	2962
Dr. to	3016
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	54
Bit Hrs.	7 3/4
Table R.P.M.	90

No. Stds. 44 Length 2661.79
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 36.10
TOTAL = 3016.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom 6
D.C.I.D. Top 2 7/8 Hrs. Off Bottom 2
Pipe Size 4 1/2 Trip Time 1
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 88 Jts. | REMARKS:
Pipe on Racks 38 Jts.

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation
Total Pipe on Lease 126 Jts.

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	MIXING					
5						✓
6			MUD			✓
7	10.3	58	70	500	3/4	
8						
9						
10						
11						

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
4.1	2/32	12.5

Mud Added Sacks 1000 LBS.-GEL
Chemicals Added Lbs. 200 LBS.-CAUSTIC
200 LBS.-SPERSENE

CREW

Driller	D. MAHNS
Derrickman	
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TRUSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS

	FROM	TO
DRILL & CONDITION MUD	400	700
MIX LOST CIRC MATERIAL	700	800
DRILL & CONDITION MUD	800	1100
LOST CIRC.		
HOIST PIPE	1100	1200

Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. 12B16-65 (WEST TATHLINA LAKE 3=

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Date JAN 27/60

Report 1

Drilled From 2807 To 2821 Hole Made 14

Bit No.	10	No. Stds. 41	Length 2480.69
Serial No.	5399	No. D.C.'s	Length 318.11
Bit Size	7 7/8		Length
Bit Type	OWV		Length
Dr. from	2807	Kelly in =	21.70
Dr. to	2821	TOTAL =	2821.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	14	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	2 1/4	Pipe in Hole 82 Jts.	Diesel Fuel Meter Reading
Table R.P.M.	90	Pipe on Racks 44 Jts.	Today
Depth	Deviation	Total Pipe on Lease 126 Jts.	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1				MUD		
2						
3						
4	COND					
5						
6						

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4

No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks 25 SX MAGNET 10 SX MY-LO-GEL

Chemicals Added Lbs. 200 LBS CAUSTIC 100 LBS SPERSENE

CREW

Driller	B. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	L. DAILHUS
Rotary Helper	R. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
CLEAN OUT PLUGGED CORE BBL	1700	2000
CLEAN MUD TANKS	2000	4000
RUN IN W/ BIT. 10 F	4000	5115
REAMING.	5115	5445
DRILLING & COND MUD.	5445	6000

Report 2

Drilled From 2821 To 2896 Hole Made 75

Bit No.	10	No. Stds. 42	Length 2541.06
Serial No.	5399	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	OWV		Length
Dr. from	2807	Kelly in =	36.83
Dr. to	2896	TOTAL =	2896.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	89	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	9 1/4	Pipe in Hole 84 Jts.	REMARKS:
Table R.P.M.	90	Pipe on Racks 42 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	10.1	76	70	600	1/2	V
9	10.1	75	70	600	1/2	V
10	10.1	65	70	600	1/2	V
11	10.1	65	70	600	1/2	V
12	9.9	65	70	600	1/2	
1	9.5	63	70	600	1/2	V
2	COND.					V
3			MUD.			V

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4

No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
5.	2/32	12.0

Mud Added Sacks 100 LBS MY-LO-GEL 1000 LBS-GEL

Chemicals Added Lbs. 100 LBS - CAUSTIC. 100 LBS - SPERSENE.

CREW

Driller	W. SEMAR
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	E. SANTROCK
Leaseman	C. GRAY

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
RIG SERVICE	800	815
DRILLING & CONDITION MUD	815	1145
CIRC SAMPLE	1145	1230
DRILLING & CONDITION MUD	1230	400

Report 3

Drilled From 2896 To 2956 Hole Made 60

Bit No.	10	No. Stds. 43	Length 2601.23
Serial No.	5399	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	OWV		Length
Dr. from	2807	Kelly in =	36.66
Dr. to	2956	TOTAL =	2956.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom 8
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	149	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	17 1/4	Pipe in Hole 86 Jts.	REMARKS:
Table R.P.M.	90	Pipe on Racks 40 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	10.2	55	70	600	3/4	
5	10.1	55	70	600	3/4	
6	10.1	55	70	600	3/4	
7	10.1	57	70	600	3/4	
8	10.1	57	70	600	3/4	
9	10.2	57	70	600	3/4	
10	10.2	58	70	600	3/4	
11	10.2	58	70	600	3/4	

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4

No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
4.0	2/32	12.5

Mud Added Sacks

Chemicals Added Lbs. 4 SX MY-LO-GEL

CREW

Driller	D. MOHNS
Derrickman	
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
DRILL	400	1200
2956		
2705		
180		
149		

Art W. Guthrie
Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. Briggs West Tathlina 35

Date JAN 26/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Run 1

Drilled From 2761 To 2805 Hole Made 44

Bit No.	9	No. Stds. 40-5	Length 2450.59
Serial No.	5401	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	OWV		Length
Dr. from	2761	Kelly in =	36.30
Dr. to	2805	TOTAL =	2805.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	74	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	18	Pipe in Hole 81 Jts.	Diesel Fuel Meter Reading
Table R.P.M.	100	Pipe on Racks 45 Jts.	Today
Depth	Deviation	Total Pipe on Lease 126 Jts.	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	10.8	60	54	500	3/4	✓
1	10.8	59	54	500	3/4	
2	10.6	57	54	500	3/4	
3	10.6	57	54	500	3/4	
4	10.6	57	54	500	3/4	
5	10.6	57	54	500	3/4	
6	10.6	61	54	500	3/4	
	10.9	61	54	500	3/4	

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 16 — Liner Size 5

Water-Loss	Filter Cake	PH
6.4	2/32	12.5
6.6	2/32	12.0

Mud Added Sacks

Chemicals Added Lbs. 150 lbs RAY-FLO
25 lbs CAUSTIC

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	B. BRISCOE	Core Bit	Serial
Derrickman	B. ANDERSON	Reaming Bit	Serial
Cat Headman	D. DAILHUS	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	B. ANDERSEN	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	M. HACKNEY		
Leaseman			

REMARKS

DRILLING

FROM	TO
1200	800

Run 2

Drilled From ____ To ____ Hole Made ____

Bit No.	9	No. Stds. 39-5	Length 2390.01
Serial No.	5401	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8	CORE BALLS	Length 63.80
Bit Type	OWV	SUB	Length .82
Dr. from	2731	Kelly in =	32.26
Dr. to	2805	TOTAL =	2805.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	74	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	18	Pipe in Hole 79 Jts.	REMARKS:
Table R.P.M.		Pipe on Racks 47 Jts.	
Depth 2805	Deviation 1°	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12						
1						
2						
3						

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks

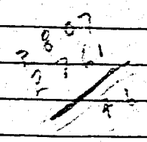
Chemicals Added Lbs.

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	W. SEMAR	Core Bit	Serial
Derrickman	D. ANDERSON JR.	Reaming Bit	Serial
Cat Headman	S. ANDERSEN	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	H. BOGSTIE	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	G. SANTROCK		
Leaseman	C. GRAY		

REMARKS

FROM	TO
800	830
830	945
945	1100
1100	1130
1130	1245
1245	115
115	300
300	400

CIRC. SAMPLE
HOIST TO RUN MAGNET DROP SURVEY
RUN IN W/MAGNET
BREAK CIRC WORK MAGNET
HOIST MAGNET DROP SURVEY
PICK UP CORE BBLS
RUN IN W/CORE BBLS
WORK ON PUMP



Run 3 (CORED)

~~Drilled~~ From 2805 To 2807 Hole Made 2

Bit No.	8A	No. Stds. 39-5	Length 2390.01
Serial No.	C-11	No. D.C.'s 11	Length 318.11
Bit Size	6 1/8	CORE BBL	Length 64.62
Bit Type	◊		Length
Dr. from		Kelly in =	34.26
Dr. to		TOTAL =	2807.00
Cored from	2715-2730	D.C.O.D. Top 6 1/4	Hrs. On Bottom 1 3/4
Cored to	2805-2807	D.C.I.D. Top 2 7/8	Hrs. Off Bottom 6 1/4
Reamed from		Pipe Size 4 1/2	Trip Time 3
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	27	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	8 1/4	Pipe in Hole 79 Jts.	REMARKS:
Table R.P.M.	75	Pipe on Racks 47 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						
5						
6	10.6	57	30	550	1/2	
7						
8						
9						
10						
11						

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH
~~12~~ 5.4	3/32	12.0

Mud Added Sacks

Chemicals Added Lbs.

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	D. MOHAS	Core Bit	Serial
Derrickman		Reaming Bit	Serial
Cat Headman	D. BOGSTIE	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	M. LAFRENTZ	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	L. TROSS		
Leaseman			

REMARKS

FROM	TO
400	413
413	513
513	715
715	1015
1015	
	1200

BREAK CIRC W/CORE BBLS
WORK TO BOTTOM
CORING
HOIST
CLEANING OUT PLUGGED CORE BBL

Core # 2 - 2805 - 2807

GUTHRIE McLAREN DRILLING LTD.

Art Whiting — Company Representative

Tool Pusher

Well No. BA 66S WEST TATHLINA LAKE #3

Date JAN 25/60

Lsd. ______ Sec. ______ Twp. ______ Rge. ______ W. ______

Tour 1

CORED ~~Drilled~~ From 2725 To 2730 Hole Made 5

Bit No.	8 D	No. Stds. 38-5	Length 2359.94	
Serial No.		No. D.C.'s 11	Length 318.11	
Bit Size	6 1/8	CORE BBLS	Length	
Bit Type	C-11		Length	
Dr. from		Kelly in =	18.20	
Dr. to		TOTAL =	2730.00	
Cored from	2725	D.C.O.D. Top	Hrs. On Bottom	
Cored to	2730	D.C.I.D. Top	Hrs. Off Bottom	
Reamed from	~~2705~~	Pipe Size	Trip Time	
Reamed to		C.S.G. Set at	Serv. Time	
Total Bit Footage	25	C.S.G. Size	Rep. Time	
Bit Hrs.	10	Pipe in Hole Jts.	Diesel Fuel Meter Reading	
Table R.P.M.	75	Pipe on Racks Jts.	Today	
Depth	Deviation	Total Pipe on Lease Jts.	Yesterday	
Depth	Deviation		Consumption Gals.	
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	11.1					
1						
2	11.1	80	70	600	3/4	
3						
4						
5						
6						
7						

No. 1 Pump Size ______ No. 2 Pump Size ______

Liner Size ______ Liner Size ______

Water-Loss	Filter Cake	PH
5.8	2/32	11

Mud Added Sacks: 15 SKS GEL

Chemicals Added Lbs.: 4 SKS MY-LO-GEL

CREW

Driller	R. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	T. PAULHUS
Rotary Helper	R. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
DIAMOND COREING	12:00	2:00
HOISTING, HANDLE CORES, & SERVICE BBLs	2:00	4:00
MAKE UP PACKER	4:00	6:00
RUN IN W/ PACKER	6:00	8:00

CHECKED B.O.P.S

Core #1 - 2706 - 2731

Tour 2

REAMED ~~Drilled~~ From 2705 To 2721 Hole Made 16

Bit No.	9	No. Stds. 39-5	Length 2390.49	
Serial No.	5401	No. D.C.'s 11	Length 318.11	
Bit Size	7 7/8		Length	
Bit Type	OWV		Length	
Dr. from		Kelly in =	12.40	
Dr. to		TOTAL =	2721.00	
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom	
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom	
Reamed from	2705	Pipe Size 4 1/2	Trip Time	
Reamed to	2721	C.S.G. Set at 217	Serv. Time	
Total Bit Footage	16	C.S.G. Size 8 5/8	Rep. Time	
Bit Hrs.	2	Pipe in Hole 79 Jts.	REMARKS:	
Table R.P.M.	70	Pipe on Racks 47 Jts.		
Depth	Deviation	Total Pipe on Lease 126 Jts.		
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	DST No 1 INT 2630-2731					
9	VALVE OPEN 90 MIN FINAL SHUT IN					
10	30 MIN. WEAK AIR BLOWS. REC. 15'					
11	DRILLING MUD INT H.P. 1569 IFP 3					
12	FFP 5 FSP 7 FHP 1569					
1						
2						
3	11.0	62		500	1/2	

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks: ______

Chemicals Added Lbs.: ______

CREW

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOESTIE
Rotary Helper	
Fireman	C. SANTKROCK
Leaseman	C. GRAY

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
MAKE UP TESTING HEAD	8:00	8:15
WELL ON TEST	8:15	10:45
HOIST PACKER	10:45	12:00
BREAK & LAY DOWN PACKER	12:00	1:00
RUN IN W/ BIT	1:00	2:00
REAMING RAT HOLE	2:00	4:00

Tour 3

REAMED FROM 2722-2731

Drilled From 2731 To 2761 Hole Made 30

Bit No.	9	No. Stds. 40	Length 2420.54	
Serial No.	5401	No. D.C.'s 11	Length 318.11	
Bit Size	7 7/8		Length	
Bit Type	OWV		Length	
Dr. from	2731	Kelly in =	22.35	
Dr. to	2761	TOTAL =	2761.00	
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom 8	
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom	
Reamed from	2706	Pipe Size 4 1/2	Trip Time	
Reamed to	2731	C.S.G. Set at 217	Serv. Time	
Total Bit Footage	55	C.S.G. Size 8 5/8	Rep. Time	
Bit Hrs.	10	Pipe in Hole 80 Jts.	REMARKS:	
Table R.P.M.	80	Pipe on Racks 46 Jts.		
Depth	Deviation	Total Pipe on Lease 126 Jts.		
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	11.0	65	54	500	1/2	
5	11.0	62	54	500	1/2	
6	11.0	63	54	500	1/2	
7	11.0	63	54	500	1/2	
8	11.0	66	54	500	1/2	
9	11.0	64	54	500	1/2	
10	11.0	63	54	500	1/2	
11	11.0	63	54	500	1/2	

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH
4.5	2/32	10.5
4.6	2/32	12.0

Mud Added Sacks: 300# CAUSTIC

Chemicals Added Lbs.: 50# RAYFLO, 50# SPERSENE

CREW

Driller	D. MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOESTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
REAM RAT HOLE	4:00	5:15
DRILL	5:15	12:00

Art Whiting
Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHALINA LAKE 3E

Date JAN. 24/60   68

Lsd. ______ Sec. ______ Twp. ______ Rge. ______ W. ______

Tour 1

Drilled From 2638 To ~~27~~ 2706 Hole Made ~~66~~ 68

Bit No.	8	No. Stds. 39	Length 2359.30
Serial No.	70511	No. D.C.'s 11	Length 318.11
Bit Size	7 7/8		Length
Bit Type	OSC-1G		Length
Dr. from	2628	Kelly in =	27.59
Dr. to	2705	TOTAL =	2705.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom 5 1/2
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	77	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	6 1/2	Pipe in Hole 78 Jts.	Diesel Fuel Meter Reading
Table R.P.M.	100	Pipe on Racks 48 Jts.	Today
Depth	Deviation	Total Pipe on Lease 126 Jts.	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	10.9	65	70	600	3/4	
1	11.	65	70	600	3/4	
2	11.	65	70	600		
3	11.	60	70	600		
4	11.1	57	70	600		
5	11.1	56	70	600		
6						

No. 1 Pump Size 6 3/4 X 12   No. 2 Pump Size 5 X 10
Liner Size 6 3/4   Liner Size 5

Water-Loss	Filter Cake	PH
4.8	2/32	12.5

Mud Added Sacks
Chemicals Added Lbs. 100 LBS SPERSENE

CREW

Driller	BRISCOE
Derrickman	D. SANDERSON
Cat Headman	E. DAHLHUS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILLING	1200	430
CIRC SAMPLE	430	445
DRILLING	445	545
CIRC	545	645
HOIST, E STRAP PIPE	645	8.00

Tour 2

Drilled From ______ To ______ Hole Made ______

Bit No.		No. Stds. 38	Length 2300.10
Serial No.		No. D.C.'s 11	Length 318.11
Bit Size		CORE BBLS	Length 6380
Bit Type		SUB	Length .82
Dr. from		Kelly in =	22.17
Dr. to		TOTAL =	2705.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.		Pipe in Hole 76 Jts.	REMARKS:
Table R.P.M.		Pipe on Racks 50 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12						
1						
2						
3						

No. 1 Pump Size 6 3/4 X 12   No. 2 Pump Size 5 X 10
Liner Size 6 3/4   Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G SANTROCK
Leaseman	G GRAY

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
HOIST É STRAP PIPE	800	900
RUN IN W/ MAGNET	900	1030
WORK MAGNET	1030	1100
HOIST MAGNET	1100	1200
PICK UP É SERVICE CORE BBLS	1200	200
RUN IN W/ CORE BBLS	200	330
CIRC CORE BBLS	330	400

Tour 3

CORED ~~Drilled~~ From 2706 To 2726 Hole Made 20

Bit No.	8A	No. Stds. 38-S	Length 2329.07
Serial No.		No. D.C.'s 11	Length 318.11
Bit Size	6 1/8	CORE BBLS	Length 64.62
Bit Type	C-11		Length
Dr. from		Kelly in =	13.20
Dr. to		TOTAL =	2725.00
Cored from	2705	D.C.O.D. Top 6 1/4	Hrs. On Bottom 8
Cored to	2725	D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	20	C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	8	Pipe in Hole 77 Jts.	REMARKS:
Table R.P.M.	75	Pipe on Racks 49 Jts.	
Depth	Deviation	Total Pipe on Lease 126 Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	11.1	55	35	600	3/4	
5	11.1	53	35	600	3/4	
6	11.1	50	35	600	3/4	
7	11.1	50	35	600	3/4	
8	11.1	50	35	600	3/4	
9	11.1	49	35	600	3/4	
10	11.1	50	35	600	3/4	
11	11.1	50	35	600	3/4	

No. 1 Pump Size 6 3/4 X 12   No. 2 Pump Size 5 X 10
Liner Size 6 3/4   Liner Size 5

Water-Loss	Filter Cake	PH
5.	2/32	11.0

Mud Added Sacks
Chemicals Added Lbs. 100 lbs CAUSTIC; 100 lbs SPERSENE

CREW

Driller	D. MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TRUSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
CORING	4:00	12:00

Core #1 2706 -

GUTHRIE McLAREN DRILLING LTD.

Company Representative

Tool Pusher

Well No. BRIGGS WEST TATHLINA LAKE #3

Date JAN 23/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

	Drilled From 2040 To 2190 Hole Made 150	Drilled From 2190 To 2462 Hole Made 272	Drilled From 2462 To 2638 Hole Made 176
Bit No.	7	7	7 / 8
Serial No.	95261	95261	95261 / 70511
Bit Size	7 7/8	OSC-3	7 7/8 / 7 7/8
Bit Type	OSC-3	1955	OSC-3 / OSC-1G
Dr. from	1955	2462	1955 / 2628
Dr. to	2190		2628 / 2638
Cored from			
Cored to			
Reamed from			
Reamed to			
Total Bit Footage	235	507	673 / 10
Bit Hrs.	12 3/4	19 1/4	23 3/4 / 1
Table R.P.M.	90	100	100 / 100
No. Stds.	2-5	35	38
Length	1848.37	2119.03	2300.10
No. D.C.'s	11	11	11
Length	318.11	318.11	318.11
Length			
Length			
Kelly in =	23.52	24.86	19.79
TOTAL =	2190.00	2462.00	2638.00
D.C.O.D. Top	6 1/4	6 1/4	6 1/4
Hrs. On Bottom	8		5 1/2
D.C.I.D. Top	2 7/8	2 7/8	2 1/8
Hrs. Off Bottom	-		2 1/2
Pipe Size	4 1/2	4 1/2	4 1/2
Trip Time			2 1/4
C.S.G. Set at	219	217	217
Serv. Time			
C.S.G. Size	8 5/8	8 5/8	8 5/8
Rep. Time			SURVEY 1/4
Pipe in Hole	61 Jts.	70 Jts.	76 Jts.
Pipe on Racks	65 Jts.	56 Jts.	50 Jts.
Total Pipe on Lease	126 Jts.	126 Jts.	126 Jts.
Diesel Fuel Meter Reading			
Today			
Yesterday			
Consumption	Gals.		
REMARKS:			
Depth			2620
Deviation			1°
Depth			
Deviation			
Depth			
Deviation			
Depth			
Deviation			
Depth			
Deviation			

Drilled From 2040 To 2190 Hole Made 150

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4

No. 2 Pump Size 5 x 10 — Liner Size 5

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1	DRAIN			TANK		
2	& MIX			MUD		
3						
4						
5						
6	10.4	80	70	600	3/4	
	10.4	63	70	600	3/4	

Water-Loss	Filter Cake	PH
5.4	2/32	

Mud Added Sacks: 30 SACKS GEL; 10 " MY-10-GEL

Chemicals Added Lbs.: 50 lbs SPERESENE; 50 lbs CAUSTIC

CREW

Driller D. MOHNS
Derrickman L. MILLAR
Cat Headman D. BOESTIE
Rotary Helper M. LAFRENTZ
Rotary Helper
Fireman L. TRUSS
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILL	12:00	8:00

Drilled From 2190 To 2462 Hole Made 272

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4

No. 2 Pump Size 5 x 10 — Liner Size 5

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	10.4	65	70	600	3/4	
9	10.4	67	70	600	3/4	
10	10.5	66	70	600	1/2	
11	10.5	65	70	600	1/2	
12	10.6	80	70	600	1/2	
1	10.6	75	70	600	1/2	
2	10.5	65	70	600	1/2	
3	10.6	55	70	600	1/2	

Water-Loss	Filter Cake	PH
5.2	2/32	9.0

Mud Added Sacks: 100 lbs RAY-FLO

Chemicals Added Lbs.: 100 lbs CAUSTIC

CREW

Driller B. BRISCOE
Derrickman B. ANDERSON
Cat Headman L. DAISLEY
Rotary Helper K. ANDERSEN
Rotary Helper
Fireman M. HACKNEY
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
BIG SERVICE & WORK ON SWIVEL	8 00	9 30
DRILLING	9 30	4 00

Drilled From 2462 To 2638 Hole Made 176

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4

No. 2 Pump Size 5 x 10 — Liner Size 5

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	10.6	75	70	600	1/2	
5	10.8	70	70	600	1/2	✓
6	10.9	65	70	600	3/4	✓
7	10.9	65	70	600	3/4	
8	10.9	65	70	600	3/4	
9	TRIP					
10						
11	10.8	61	70	600	3/4	

Water-Loss	Filter Cake	PH
4.5	2/32	10.5
5.0	2/32	10.5

Mud Added Sacks

Chemicals Added Lbs.: 200 lbs RAY-FLO; 200 lbs CAUSTIC

CREW

Driller G. SEMAR
Derrickman D. ANDERSON
Cat Headman S. ANDERSEN
Rotary Helper H. BOESTIE
Rotary Helper
Fireman G SANTROCK
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILLING	400	830
TRIP FOR BIT DROP SURVEY BREAK CIRC	830	11 00
DRILLING	11 00	12 00

GUTHRIE McLAREN DRILLING LTD.

Company Representative: [signature]
Tool Pusher

Well No. BRIGGS WEST TATHLINA LAKE #3

Date JAN 22/66

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Tour 1

Drilled From 1668 To 1780 Hole Made 112

Bit No.	6
Serial No.	94443
Bit Size	7 7/8
Bit Type	OSC
Dr. from	1540
Dr. to	1780
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	240
Bit Hrs.	13 1/2
Table R.P.M.	85

No. Stds.	73-5	Length	1423.87
No. D.C.'s	11	Length	318.11
Kelly in			38.02
TOTAL			1780.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/2
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1/2
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Survey Time	1/2
Pipe in Hole	47 Jts.	Diesel Fuel Meter Reading	
Pipe on Racks	79 Jts.	Today	
Total Pipe on Lease	126 Jts.	Yesterday	
		Consumption	Gals.

Depth	Deviation
1690	0°

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	10.5	64	70	600	3/4	
1	10.5	65	70	600	3/4	
2	10.5	65	70	600	3/4	
3	10.5	63	70	600	3/4	
4	10.6	65	70	600	3/4	
5	10.6	68	70	600	3/4	
6	10.6	70	70	600	3/4	
7	10.6	70	70	600	3/4	

Water-Loss	Filter Cake	PH
6.3	2/32	12.5
5.5	2/32	12.5

Mud Added Sacks:
Chemicals Added Lbs.:

Crew

Driller	D. McANS
Derrickman	L. MILLAR
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

Materials Charged to Operator

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILL	12:00	3:30
SURVEY	3:30	4:00
DRILL	4:00	8:00

Tour 2

Drilled From 1780 To 1937 Hole Made 157

Bit No.	6
Serial No.	94443
Bit Size	7 7/8
Bit Type	OSC
Dr. from	1540
Dr. to	1937
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	397
Bit Hrs.	21 1/4
Table R.P.M.	150

No. Stds.	26-5	Length	1605.56
No. D.C.'s	11	Length	318.11
Kelly in			13.33
TOTAL			1937.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Rep. Time	
Pipe in Hole	53 Jts.	REMARKS:	
Pipe on Racks	73 Jts.		
Total Pipe on Lease	126 Jts.		

Depth	Deviation

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	10.7	75	70	600	3/4	
9	10.7	75	70	600	3/4	
10	10.8	86	70	600	3/4	
11	10.8	86	70	600	3/4	
12	10.9	80	70	600	3/4	
1	10.8	86	70	600	3/4	
2	10.9	70	70	600	3/4	
3	11.1	70	70	600	3/4	

Water-Loss	Filter Cake	PH
6.4	2/32	12.9

Mud Added Sacks:
Chemicals Added Lbs.:

Crew

Driller	R. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	E. DAULHUS
Rotary Helper	S. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

Materials Charged to Operator

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
RIG SERVICE	8:00	8:15
DRILLING	8:15	4:00

Tour 3

Drilled From 1937 To 2040 Hole Made 103

Bit No.	6	7
Serial No.	94443	95261
Bit Size	7 7/8	7 7/8
Bit Type	OSC	OSC-3
Dr. from	1540	1955
Dr. to	1955	2040
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	415	85
Bit Hrs.	22 3/4	4 3/4
Table R.P.M.	150	85

No. Stds.	28	Length	1695.74
No. D.C.'s	11	Length	318.11
Kelly in			26.15
TOTAL			2040.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Rep. Time	
Pipe in Hole	56 Jts.	REMARKS:	
Pipe on Racks	70 Jts.		
Total Pipe on Lease	126 Jts.		

Depth	Deviation
1955	0°

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	11	70	70	600	3/4	
5	11	69	70	600	3/4	
6						
7						
8	10.9	65	70	600	3/4	
9	10.9	61	70	600	3/4	✓
10	10.5	52	70	600	3/4	
11	10.3	55	70	600	3/4	

Water-Loss	Filter Cake	PH
7.2	2/32	10.5

Mud Added Sacks:
Chemicals Added Lbs.:

Crew

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	C. SANTROCK
Leaseman	

Materials Charged to Operator

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILL	4:00	5:15
TRIP FOR BIT DROP SURVEY SLIP LINE	5:15	7:15
DRILL	7:15	12:00

GUTHRIE McLAREN DRILLING LTD.

Company Representative: Art W. Cutting

Tool Pusher:

Date: JAN 21/60

Well No. BAIRES WEST FATHLIDA LAKE #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Day 1

Drilled From 1267 To 1388 Hole Made 121

Bit No.	5
Serial No.	78905
Bit Size	7 7/8
Bit Type	OSC
Dr. from	1145
Dr. to	1388
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	243
Bit Hrs.	16 1/2
Table R.P.M.	90

No. Stds.	12 Length 1029.74
No. D.C.'s	11 Length 318.11
	Length
	Length
Kelly in =	40.15
TOTAL =	1388.00
D.C.O.D. Top	6 1/4 Hrs. On Bottom 7 3/4
D.C.I.D. Top	2 7/8 Hrs. Off Bottom 1/4
Pipe Size	4 1/2 Trip Time
C.S.G. Set at	217 Serv. Time
C.S.G. Size	8 5/8 Rep. Time SURVEY 1/4
Pipe in Hole	34 Jts.
Pipe on Racks	92 Jts.
Total Pipe on Lease	126 Jts.

Diesel Fuel Meter Reading: Today ____ Yesterday ____ Consumption ____ Gals.

Depth ____ Deviation ____
Depth 1388 Deviation 1/2°
Depth ____ Deviation ____
Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	10.1	64	85	700	3/4	
1	10.1	65	85	700	3/4	
2	10.1	63	85	700	3/4	
3	10.1	65	85	700	3/4	
4	10.1	64	85	700	3/4	
5	10.1	66	90	600	3/4	
6	10.1	65	70	600	3/4	
7	10.1	66	70	600	3/4	

No. 1 Pump Size 6 3/4 X 12 Liner Size 6 3/4
No. 2 Pump Size 5 X 10 Liner Size 5

Water-Loss	Filter Cake	PH
5.3	2/32	12.5
5.6	2/32	12.5

Mud Added Sacks
Chemicals Added Lbs.

CREW: Driller D. MOHNS; Derrickman L. MILLAR; Cat Headman D. BOESTIE; Rotary Helper M. LAFRENTZ; Rotary Helper; Fireman L. TRUSS; Leaseman

MATERIALS CHARGED TO OPERATOR: Core Bit; Serial; Reaming Bit; Serial; Core Cutters SF. HF.; Core Catchers SF. HF.; Swab Cups; Swab Rubbers

REMARKS	FROM	TO
DRILL	12:00	7:45
SURVEY	7:45	8:00

Day 2

Drilled From 1388 To 1533 Hole Made 145

Bit No.	5
Serial No.	78905
Bit Size	7 7/8
Bit Type	OSC
Dr. from	1145
Dr. to	1533
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	29 388
Bit Hrs.	24
Table R.P.M.	85

No. Stds.	19-5 Length 1181.45
No. D.C.'s	18 Length 318.11
	Length
	Length
Kelly in =	33.44
TOTAL =	1533.00
D.C.O.D. Top	6 1/4 Hrs. On Bottom
D.C.I.D. Top	2 7/8 Hrs. Off Bottom
Pipe Size	4 1/2 Trip Time
C.S.G. Set at	217 Serv. Time
C.S.G. Size	8 5/8 Rep. Time
Pipe in Hole	39 Jts.
Pipe on Racks	87 Jts.
Total Pipe on Lease	126 Jts.

REMARKS:

Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	10.1	66	85	700	3/4	
9	10.1	66	85	700	3/4	
10	10.1	66	85	700	3/4	
11	10.1	65	85	700	3/4	
12	10.1	64	85	700	3/4	
1	10.1	66	85	700	3/4	
2	10.1	66	85	700	3/4	
3	10.1	65	85	700	3/4	

No. 1 Pump Size 6 3/4 X 12 Liner Size 6 3/4
No. 2 Pump Size 5 X 10 Liner Size 5

Water-Loss	Filter Cake	PH
6.3	3/32	12.1

Mud Added Sacks
Chemicals Added Lbs.

CREW: Driller B. BRISCOE; Derrickman D. L. ANDERSON; Cat Headman L. DAILHUS; Rotary Helper B. ANDERSON; Rotary Helper; Fireman M. HACKNEY; Leaseman

MATERIALS CHARGED TO OPERATOR: Core Bit; Serial; Reaming Bit; Serial; Core Cutters SF. HF.; Core Catchers SF. HF.; Swab Cups; Swab Rubbers

REMARKS	FROM	TO
RIG SERVICE.	8:00	8:15
DRILLING.	8:15	4:00

Day 3

Drilled From 1533 To 1668 Hole Made 135

Bit No.	5	6
Serial No.	78905	94443
Bit Size	7 7/8	7 7/8
Bit Type	OSC	OSC
Dr. from	1145	1540
Dr. to	1540	1668
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	395	128
Bit Hrs.	24 1/2	6
Table R.P.M.	85	85

No. Stds.	22 Length 1333.21
No. D.C.'s	11 Length 318.11
	Length
	Length
Kelly in =	16.68
TOTAL =	1668.00
D.C.O.D. Top	6 1/4 Hrs. On Bottom 6 1/2
D.C.I.D. Top	2 7/8 Hrs. Off Bottom 1 1/2
Pipe Size	4 1/2 Trip Time 1 1/2
C.S.G. Set at	217 Serv. Time
C.S.G. Size	8 5/8 Rep. Time SURVEY 1/4
Pipe in Hole	44 Jts.
Pipe on Racks	82 Jts.
Total Pipe on Lease	126 Jts.

REMARKS:

Depth 1540 Deviation 1/2°
Depth ____ Deviation ____
Depth ____ Deviation ____
Depth ____ Deviation ____

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	10.1	65	85	760	3/4	
5	TRIP					
6	10.2	63	85	700	3/4	
7	10.4	63	85	700	3/4	
8	10.4	61	85	700	3/4	
9	10.4	65	85	700	3/4	
10	10.4	69	85	760	3/4	
11	10.5	71	85	760	3/4	

No. 1 Pump Size 6 3/4 X 12 Liner Size 6 3/4
No. 2 Pump Size 5 X 10 Liner Size 5

Water-Loss	Filter Cake	PH
5.3	3/32	12.6
5.2	2/32	12.5

Mud Added Sacks
Chemicals Added Lbs.

CREW: Driller W. SEMAK; Derrickman D. ANDERSON; Cat Headman S. ANDERSEN; Rotary Helper H. BOESTIE; Rotary Helper; Fireman G. SANTROCK; Leaseman

MATERIALS CHARGED TO OPERATOR: Core Bit; Serial; Reaming Bit; Serial; Core Cutters SF. HF.; Core Catchers SF. HF.; Swab Cups; Swab Rubbers

REMARKS	FROM	TO
DRILLING	4:00	4:30
HOIST FOR BIT & DROP SURVEY	4:30	6:00
DRILLING	6:00	12:00

GUTHRIE McLAREN DRILLING LTD.

Company Representative: [signature]

Tool Pusher

Well No. BRIGGS WEST TATHLINA LAKE #3

Date JAN 20/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Tour 1

Drilled From 930 To 1085 Hole Made 155

Bit No.	4
Serial No.	995055
Bit Size	7 7/8
Bit Type	VT
Dr. from	885
Dr. to	1085
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	200
Bit Hrs.	9 1/4
Table R.P.M.	125

No. Stds.	12-S	Length	756.38
No. D.C.'s	11	Length	318.11
		Length	
		Length	
Kelly in =			10.51
TOTAL =			1085.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	7
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Rep. Time	1
Pipe in Hole	25 Jts.		
Pipe on Racks	101 Jts.		
Total Pipe on Lease	126 Jts.		

Diesel Fuel Meter Reading: Today ____ Yesterday ____ Consumption ____ Gals.

Depth	Deviation
994	1/8°

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	10.1	50	85	700	1/2	
1	10.1	55	85	300	1/2	
2	10.1	60	85	300	1/2	
3	10.1	67	85	700	1/2	
4	10.1	70	85	700	1/2	✓
5	10.1	88	85	700	1/2	✓
6	10.1	66	85	300	1/2	✓
7	10.1	65	85	300	1/2	✓

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH
6.0	2/32	12.5
6.4	2/32	12.5

Mud Added Sacks: 20 SACKS GEL

Chemicals Added Lbs.:

CREW

- Driller: D. McHANS
- Derrickman: L. MILLAR
- Cat Headman: D. BOGSTIE
- Rotary Helper: M. LAFRENTZ
- Rotary Helper:
- Fireman: L. TRUSS
- Leaseman:

MATERIALS CHARGED TO OPERATOR

Core Bit		Serial	
Reaming Bit		Serial	
Core Cutters SF. HF.		Core Catchers SF. HF.	
Swab Cups		Swab Rubbers	

REMARKS	FROM	TO
DRILL	12:00	3:00
SURVEY & WORK ON PUMP	3:00	4:00
DRILL	4:00	8:00

Tour 2

Drilled From 1085 To 1155 Hole Made 70

Bit No.	4	5
Serial No.	995055	78905
Bit Size	7 7/8	7 7/8
Bit Type	VT	OSC
Dr. from	885	1145
Dr. to	1145	1155
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	260	10
Bit Hrs.	16	1
Table R.P.M.	125	125

No. Stds.	13-1	Length	817.13
No. D.C.'s	11	Length	318.11
		Length	
		Length	
Kelly in =			19.76
TOTAL =			1155.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	5 1/2
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	2 1/2
Pipe Size	4 1/2	Trip Time	1
C.S.G. Set at	217	Serv. Time	1/4
C.S.G. Size	8 5/8	Rep. Time	SURVEY 1/4
Pipe in Hole	27 Jts.		
Pipe on Racks	99 Jts.		
Total Pipe on Lease	126 Jts.		

REMARKS:

Depth	Deviation
1145	0°

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	7					
9		X				
10						
11						
12						
1	10.1	65	85	700	3/4	✓
2	10.1	64	85	700	3/4	
3	10.1	64	85	700	3/4	

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH
5.0	2/32	12.6

Mud Added Sacks: 6 SX MY LO GEL

Chemicals Added Lbs.: 20 SX GEL; 50 LBS SPERSENE; 50 CAUSTIC; 50 RAYFLO

CREW

- Driller: B. BRISCOE
- Derrickman: D. ANDERSON
- Cat Headman: J. PAULHUS
- Rotary Helper: B. ANDERSEN
- Rotary Helper:
- Fireman: C. GRAY
- Leaseman: M. HACKNEY

MATERIALS CHARGED TO OPERATOR

Core Bit		Serial	
Reaming Bit		Serial	
Core Cutters SF. HF.		Core Catchers SF. HF.	
Swab Cups		Swab Rubbers	

REMARKS	FROM	TO
RIG SERVICE	800	815
DRILLING	815	145
DROP SURVEY & TRIP FOR BIT	145	300
DRILLING	300	400

Tour 3

Drilled From 1155 To 1267 Hole Made 112

Bit No.	5
Serial No.	78905
Bit Size	7 7/8
Bit Type	OSC
Dr. from	1145
Dr. to	1267
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	122
Bit Hrs.	8 3/4
Table R.P.M.	90

No. Stds.	15-S	Length	938.31
No. D.C.'s	11	Length	318.11
		Length	
		Length	
Kelly in =			10.58
TOTAL =			1267.00
D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4
D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1/4
Pipe Size	4 1/2	Trip Time	
C.S.G. Set at	217	Serv. Time	
C.S.G. Size	8 5/8	Rep. Time	SURVEY 1/4
Pipe in Hole	31 Jts.		
Pipe on Racks	95 Jts.		
Total Pipe on Lease	126 Jts.		

REMARKS:

Depth	Deviation
1266	0°

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	10.1	75	85	700	3/4	
5	10.2	80	85	700	3/4	
6	10.2	80	85	700	3/4	
7	10.2	85	85	700	3/4	
8	10.2	75	85	700	3/4	✓
9	10.1	63	85	700	3/4	✓
10	10.1	63	85	700	3/4	
11	10.1	65	85	700	3/4	

No. 1 Pump Size 6 3/4 X 12 — Liner Size 6 3/4
No. 2 Pump Size 5 X 10 — Liner Size 5

Water-Loss	Filter Cake	PH
5.2	2/32	12.5
4.8	2/32	12.5

Mud Added Sacks:

Chemicals Added Lbs.:

CREW

- Driller: W. SEMAK
- Derrickman: D. ANDERSON
- Cat Headman: S. ANDERSEN
- Rotary Helper: H. BOGSTIE
- Rotary Helper:
- Fireman: G. SANTROCK
- Leaseman:

MATERIALS CHARGED TO OPERATOR

Core Bit		Serial	
Reaming Bit		Serial	
Core Cutters SF. HF.		Core Catchers SF. HF.	
Swab Cups		Swab Rubbers	

REMARKS	FROM	TO
DRILLING	400	1145
SURVEY	1145	1200

GUTHRIE McLAREN DRILLING LTD.

Company Representative

Tool Pusher

Date JAN 19 / 60

Well No. BRIGGS WEST TATHLINA LAKE #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Tour 1

Drilled From 632 To 722 Hole Made 90

Bit No.	3
Serial No.	78903
Bit Size	7 7/8
Bit Type	OSC
Dr. from	602
Dr. to	722
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	120
Bit Hrs.	8 3/4
Table R.P.M.	150

No. Stds. 6 Length 363.93
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 39.96
TOTAL = 722.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom 7 1/2
D.C.I.D. Top 2 7/8 Hrs. Off Bottom 1/2
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 12 Jts. | Diesel Fuel Meter Reading
Pipe on Racks 114 Jts. | Today
Total Pipe on Lease 126 Jts. | Yesterday
Consumption Gals.

Depth
Depth 692 Deviation 1/2°
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	9.7	43	86	550	1/2	
1	9.8	45	86	550	1/2	
2	9.8	55	86	300	1/2	
3	9.8	53	86	300	1/2	
4	9.9	55	86	550	1/2	
5	9.9	60	86	550	1/2	
6	9.9	60	86	550	1/2	
7	9.9	58	86	550	1/2	

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
4.4	2/32	12.5

Mud Added Sacks 16 SACKS GEL
Chemicals Added Lbs.

CREW
Driller D. MOHNS
Derrickman J. MILLAR
Cat Headman D. BOGSTIE
Rotary Helper M. LAFRENTZ
Rotary Helper
Fireman L. TROSS
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS

	FROM	TO
DRILL	12:00	4:30
SURVEY & WORK ON PUMP	4:30	5:00
DRILL	5:00	8:00

Tour 2

Drilled From 722 To 802 Hole Made 80

Bit No.	3
Serial No.	78903
Bit Size	7 7/8
Bit Type	OSC
Dr. from	602
Dr. to	802
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	200
Bit Hrs.	15 3/4
Table R.P.M.	150

No. Stds. 7-1 Length 455.07
No. D.C.'s Length 318.11
Length
Length
Kelly in = 28.82
TOTAL = 802.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom
D.C.I.D. Top 2 7/8 Hrs. Off Bottom
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 15 Jts. | REMARKS:
Pipe on Racks 111 Jts.
Total Pipe on Lease 126 Jts.

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.9	55	85	400	1/2	
9	9.9	55	85	400	1/2	
10	9.9	55	85	400	1/2	
11	9.8	55	85	400	1/2	
12	9.9	55	85	400	1/2	
1	9.9	55	85	400	1/2	
2	9.9	55	85	400	1/2	
3	9.9	55	85	400	1/2	

No. 1 Pump Size 7 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks 2 Sax MV-Lojd
Chemicals Added Lbs.

CREW
Driller B. BRISCOE
Derrickman D. ANDERSON
Cat Headman B. RAWINGS
Rotary Helper B. ANDERSEN
Rotary Helper
Fireman M. HACKNEY
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS

	FROM	TO
BIG SERV. & WORK ON WT. INDICATOR	800	900
DRILLING	900	950

Tour 3

Drilled From 802 To 930 Hole Made 128

Bit No.	3	4
Serial No.	78903	795058
Bit Size	7 7/8	7 7/8
Bit Type	OSC	XT
Dr. from	602	885
Dr. to	885	930
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	283	45
Bit Hrs.	19 3/4	2 1/4
Table R.P.M.	100	100

No. Stds. 9-5 Length 575.87
No. D.C.'s 11 Length 318.11
Length
Length
Kelly in = 36.02
TOTAL = 930.00
D.C.O.D. Top 6 1/4 Hrs. On Bottom
D.C.I.D. Top 2 7/8 Hrs. Off Bottom
Pipe Size 4 1/2 Trip Time
C.S.G. Set at 217 Serv. Time
C.S.G. Size 8 5/8 Rep. Time
Pipe in Hole 19 Jts. | REMARKS:
Pipe on Racks 107 Jts.
Total Pipe on Lease 126 Jts.

Depth 800 Deviation 3/4°
Depth 868 Deviation 3/4°
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	9.9	50	85	550	1/2	
5	9.9	50	85	550	1/2	
6	9.9	48	85	550	1/2	
7	9.8	48	85	550	1/2	
8	9.8	49	85	550	1/2	
9	TRIP					
10	10.1	52	85	600	1/2	
11	10.1	50	85	600	1/2	

No. 1 Pump Size 6 3/4 x 12 Liner Size 6 3/4
No. 2 Pump Size 5 x 10 Liner Size 5

Water-Loss	Filter Cake	PH
5.8	2/32	12.5
6.	3/32	12.5

Mud Added Sacks 2 Sax MV-Lojd
Chemicals Added Lbs. 50 LBS. - SPERSENE
50 LBS. - CAUSTIC.

CREW
Driller W. SEMAN
Derrickman D. ANDERSON
Cat Headman J. ANDERSEN
Rotary Helper H. BOGSTIE
Rotary Helper
Fireman G. SANTROCK
Leaseman

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS

	FROM	TO
DRILL	400	430
SURVEY & WORK ON PUMP	430	500
DRILL	500	830
TRIP FOR BIT & DROP SURVEY	830	945
DRILL	945	1300

Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE #3

Date JAN 18 1960

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Drilled From 420 To 494 Hole Made 44'

Bit No.	2
Serial No.	78364
Bit Size	7 7/8
Bit Type	OSC
Dr. from	420
Dr. to	494
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	74
Bit Hrs.	9 1/2
Table R.P.M.	100

No. Stds.	2-5
Length	151.88
No. D.C.'s	11
Length	318.11
Length	
Length	
Kelly in =	24.01
TOTAL =	494.00
D.C.O.D. Top	6 1/4
Hrs. On Bottom	5 3/4
D.C.I.D. Top	2 7/8
Hrs. Off Bottom	2 1/4
Pipe Size	4 1/2
Trip Time	
C.S.G. Set at	217
Serv. Time	
C.S.G. Size	8 5/8
Rep. Time	2 1/4
Pipe in Hole	5 Jts.
Pipe on Racks	121 Jts.
Total Pipe on Lease	126 Jts.

Diesel Fuel Meter Reading
Today
Yesterday
Consumption Gals.

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						
2	8.9	63	86	400	1/2	
3	8.9	64	86	400	1/2	
4	8.9	64	86	400	1/2	
5	8.9	65	86	400	1/2	✓
6	8.9	60	86	400	1/2	✓
	8.9	60	86	400	1/2	✓

No. 1 Pump Size 6 5/14 x 12 — Liner Size 6 3/4
No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
6.5	2/32	13

Mud Added Sacks
Chemicals Added Lbs.

CREW	
Driller	D MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TRUSS
Leaseman	

MATERIALS CHARGED TO OPERATOR	
Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
WORK ON GOOSENECK	12:00	2:15
DRILL	2:15	8:00

Drilled From 494 To 546 Hole Made 52'

Bit No.	2
Serial No.	78364
Bit Size	7 7/8
Bit Type	OSC
Dr. from	420
Dr. to	546
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	126
Bit Hrs.	16
Table R.P.M.	100

No. Stds.	2-5
Length	212.58
No. D.C.'s	11
Length	318.11
Length	
Length	
Kelly in =	15.31
TOTAL =	546.00
D.C.O.D. Top	6 1/4
Hrs. On Bottom	
D.C.I.D. Top	2 7/8
Hrs. Off Bottom	
Pipe Size	4 1/2
Trip Time	
C.S.G. Set at	217
Serv. Time	
C.S.G. Size	8 5/8
Rep. Time	
Pipe in Hole	Jts.
Pipe on Racks	Jts.
Total Pipe on Lease	Jts.

REMARKS:

Depth 510 Deviation 1°
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.4	57	85	400	1/2	-
9	9.4	56	85	400	1/2	
10	9.3	56	85	400	1/2	
11	9.3	56	85	400	1/2	
12	9.3	56	85	400	1/2	
1	9.3	56	85	400	1/2	
2	9.3	50	85	400	1/2	
3	9.3	56	85	400	1/2	

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4
No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
4.5	2/32	12.5

Mud Added Sacks 250 185 MY-LO-GEL
Chemicals Added Lbs. 75 LBS CAUSTIC
100 LBS SPERSENE

CREW	
Driller	B. BRISCOE
Derrickman	D. L. ANDERSON
Cat Headman	L. PAULHUS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR	
Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
WELDING TO STABILIZE CASING & SURVEY	8:00	9:30
DRILLING	9:30	4:00

Drilled From 546 To 632 Hole Made 86'

Bit No.	2	3
Serial No.	78364	78903
Bit Size	7 7/8	7 7/8
Bit Type	OSC	OSC
Dr. from	420	602
Dr. to	602	632
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	182	30
Bit Hrs.	21	1 1/4
Table R.P.M.	150	150

No. Stds.	4-5
Length	273.30
No. D.C.'s	11
Length	318.11
Length	
Length	
Kelly in =	40.59
TOTAL =	632.00
D.C.O.D. Top	6 1/4
Hrs. On Bottom	
D.C.I.D. Top	2 7/8
Hrs. Off Bottom	
Pipe Size	4 1/2
Trip Time	
C.S.G. Set at	217
Serv. Time	
C.S.G. Size	8 5/8
Rep. Time	
Pipe in Hole	9 Jts.
Pipe on Racks	117 Jts.
Total Pipe on Lease	126 Jts.

REMARKS:

Depth 600 Deviation 1/4°
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	9.3	50	85	400	1/2	
5	9.3	45	85	400	1/2	
6	9.6	45	85	400	1/2	
7	9.6	44	85	400	1/2	
8	9.5	45	85	400	1/2	
9	9.5	45	85	400	1/2	
10	TRIP					
11	9.7	43	85	400	1/2	

No. 1 Pump Size 6 3/4 x 12 — Liner Size 6 3/4
No. 2 Pump Size 5 x 10 — Liner Size 5

Water-Loss	Filter Cake	PH
3.6	2/32	12.5

Mud Added Sacks
Chemicals Added Lbs.

CREW	
Driller	W. SEMAR
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	C. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR	
Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
DRILLING	4:00	6:30
WORK ON FLOW NIPPLE	6:30	7:00
DRILLING	7:00	9:30
TRIP FOR BIT. SURVEY CALIPER DRILL COLLARS	9:30	10:45
DRILLING	10:45	12:00

GUTHRIE McLAREN DRILLING LTD.

Company Representative: [signature]

Tool Pusher

Date: JAN 17/60

Well No. BRIGGS WEST TATHLINA LAKE #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Tour 1

Drilled From 286 To 329 Hole Made 43

Item	Value		Item	Value
Bit No.	1		No. Stds.	Length
Serial No.	1520		No. D.C.'s 10	Length 289.24
Bit Size	7 7/8			Length
Bit Type	OSC-1G			Length
Dr. from	242		Kelly in =	39.76
Dr. to	329		TOTAL =	329.00
Cored from			D.C.O.D. Top 6 1/4	Hrs. On Bottom 3 3/4
Cored to			D.C.I.D. Top 2 7/8	Hrs. Off Bottom 4 1/4
Reamed from			Pipe Size 4 1/2	Trip Time
Reamed to			C.S.G. Set at 217	Serv. Time
Total Bit Footage	87		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	10 3/4		Pipe in Hole Jts.	Diesel Fuel Meter Reading
Table R.P.M.	100		Pipe on Racks Jts.	Today
Depth	Deviation		Total Pipe on Lease Jts.	Yesterday
Depth	Deviation			Consumption Gals.
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						✓
2						✓
3						✓
4						✓
5		40	86	150	3/4	
6		42	86	150	3/4	
		45	86	150	3/4	

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH
10.8	2/32	13

Mud Added Sacks: 25 SACKS GEL; 300 lbs CAUSTIC

Chemicals Added Lbs.: 300 lbs SPERESENE; 100 lbs BICARBONATE; 100 lbs MY-LO-GEL

CREW

Position	Name
Driller	D. MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. IROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial; Reaming Bit — Serial; Core Cutters SF. HF. — Core Catchers SF. HF.; Swab Cups — Swab Rubbers

REMARKS	FROM	TO
CIRC WHILE STABILIZING CASING	12:00	
TO CONDUCTOR PIPE		4:15
DRILL	4:15	8:00

Tour 2

Drilled From 329 To 389 Hole Made 60

Item	Value		Item	Value
Bit No.	1		No. Stds. 1 Single	Length 30.84
Serial No.	1520		No. D.C.'s 11	Length 318.11
Bit Size	7 7/8			Length
Bit Type	OSC-1G			Length
Dr. from	242		Kelly in =	40.05
Dr. to	389		TOTAL =	389.00
Cored from			D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to			D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from			Pipe Size 4 1/2	Trip Time
Reamed to			C.S.G. Set at 217	Serv. Time
Total Bit Footage	147		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	17		Pipe in Hole 1 Jts.	REMARKS:
Table R.P.M.	100		Pipe on Racks 125 Jts.	
Depth 300	Deviation 1/2		Total Pipe on Lease 126 Jts.	
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10	8.8	50	85	350	3/4	
11	8.8	50	85	350	3/4	
12	8.9	50	85	400	3/4	
1	8.9	50	85	400	3/4	
2	8.9	50	85	400	3/4	
3	8.9	50	85	400	3/4	

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH
6.3	2/32	13.0

Mud Added Sacks:

Chemicals Added Lbs.:

CREW

Position	Name
Driller	B. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	L. PAULHUS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	A. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial; Reaming Bit — Serial; Core Cutters SF. HF. — Core Catchers SF. HF.; Swab Cups — Swab Rubbers

REMARKS	FROM	TO
RIG SERVICE & SURVEY	8:00	8:30
DRILLING	8:30	1:45
WELD ON MUD LINE	1:45	3:00
DRILLING	3:00	4:00

Tour 3

Drilled From 389 To 450 Hole Made 61

Item	Bit 1	Bit 2		Item	Value
Bit No.	1	2		No. Stds. 1-S	Length 91.61
Serial No.	1520	78869		No. D.C.'s 11	Length 318.11
Bit Size	7 7/8	7 7/8			Length
Bit Type	OSC-1G	OSC			Length
Dr. from	220	420		Kelly in =	40.28
Dr. to	420	450		TOTAL =	450.00
Cored from				D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to				D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from				Pipe Size 4 1/2	Trip Time
Reamed to				C.S.G. Set at 217	Serv. Time
Total Bit Footage	200	30		C.S.G. Size 8 5/8	Rep. Time
Bit Hrs.	19	3 3/4		Pipe in Hole 3 Jts.	REMARKS:
Table R.P.M.	100	100		Pipe on Racks 123 Jts.	
Depth 400	Deviation 1/4°			Total Pipe on Lease 126 Jts.	
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	8.9	45	85	400	3/4	
5	8.9	45	85	400	3/4	
6	8.9	43	85	400	3/4	
7	TRIP					
8	9.2	42	85	400	1/2	
9	9.2	42	85	400	1/2	
10	MIX					
11		MUD				

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10

Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH
6.2	2/32	13.0
6.6	2/32	13.0

Mud Added Sacks: 500 lbs - GEL

Chemicals Added Lbs.: 160 lbs - STARCH

CREW

Position	Name
Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial; Reaming Bit — Serial; Core Cutters SF. HF. — Core Catchers SF. HF.; Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILLING	4:00	7:00
TRIP FOR BIT & SURVEY	7:00	7:45
DRILLING	7:45	11:30
WORK ON GOOSENECK	11:30	12:00

Orr Whiting
Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE NO 3

Date JAN 16/60

Lsd. ______ Sec. ______ Twp. ______ Rge. ______ W. ______

Tour 1

Drilled From ______ To ______ Hole Made ______

Bit No.	1	No. Stds.	Length
Serial No.	1520	No. D.C.'s 6	Length 175.53
Bit Size	7 7/8		Length
Bit Type	OSC-1G		Length
Dr. from		Kelly in =	
Dr. to		TOTAL =	
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at	Serv. Time
Total Bit Footage		C.S.G. Size	Rep. Time
Bit Hrs.		Pipe in Hole Jts.	Diesel Fuel Meter Reading
Table R.P.M.		Pipe on Racks Jts.	Today
Depth	Deviation	Total Pipe on Lease Jts.	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						
2						
3						
4						
5						
6						

No. 1 Pump Size ______ No. 2 Pump Size ______
Liner Size ______ Liner Size ______

Water-Loss	Filter Cake	PH

Mud Added Sacks ______
Chemicals Added Lbs. ______

CREW	
Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR: Core Bit ___ Serial ___; Reaming Bit ___ Serial ___; Core Cutters SF. HF. ___ Core Catchers SF. HF. ___; Swab Cups ___ Swab Rubbers ___

REMARKS	FROM	TO
REDRILL RAT HOLE DIG MOUSE HOLE		
RUN IN 6 DRILL COLLARS W/BIT	12[00]	8[00]

Tour 2

Drilled From ______ To ______ Hole Made ______

Bit No.	1	No. Stds.	Length
Serial No.	1520	No. D.C.'s 6	Length 175.53
Bit Size	7 7/8		Length
Bit Type	OSC-1G		Length
Dr. from		Kelly in =	35.47
Dr. to		TOTAL =	211.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size	Trip Time
Reamed to		C.S.G. Set at	Serv. Time
Total Bit Footage		C.S.G. Size	Rep. Time
Bit Hrs.		Pipe in Hole Jts.	REMARKS:
Table R.P.M.		Pipe on Racks Jts.	
Depth	Deviation	Total Pipe on Lease Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12						
1						
2						
3						

No. 1 Pump Size 6 3/4 x 12 No. 2 Pump Size 5 x 10
Liner Size 6 3/4 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks 200# BICARB.
Chemicals Added Lbs. ______

CREW	
Driller	D. MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR: Core Bit ___ Serial ___; Reaming Bit ___ Serial ___; Core Cutters SF. HF. ___ Core Catchers SF. HF. ___; Swab Cups ___ Swab Rubbers ___

REMARKS	FROM	TO
Circilating inside Casing	8:00	
while Finish Hooking up B.OP.		3:00
Pressured up B.O.P to 600 PSI	3:00	3:30
Drilling out Plug & Shoe	3:30	4:00
PLUG AT 206		

Tour 3

Drilled From 242 To 286 Hole Made 44

Bit No.	41	No. Stds.	Length
Serial No.	1520	No. D.C.'s 9	Length 260.14
Bit Size	7 7/8		Length
Bit Type	OSC-1G		Length
Dr. from	242	Kelly in =	25.86
Dr. to	286	TOTAL =	286.00
Cored from		D.C.O.D. Top 6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top 2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size 4 1/2	Trip Time
Reamed to		C.S.G. Set at 217	Serv. Time
Total Bit Footage	44	C.S.G. Size	Rep. Time
Bit Hrs.	7	Pipe in Hole Jts.	REMARKS:
Table R.P.M.	100	Pipe on Racks Jts.	
Depth	Deviation	Total Pipe on Lease Jts.	
Depth	Deviation		
Depth	Deviation		
Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						
5						
6						
7						
8	8.6	45			1/2	
9	8.9	47			1/2	
10	8.9	48			1/2	
11						

No. 1 Pump Size 6 3/4 x 12 No. 2 Pump Size 5 x 10
Liner Size 6 3/4 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks ______
Chemicals Added Lbs. ______

CREW	
Driller	B. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	L. PAULHUS
Rotary Helper	B. ANNERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR: Core Bit ___ Serial ___; Reaming Bit ___ Serial ___; Core Cutters SF. HF. ___ Core Catchers SF. HF. ___; Swab Cups ___ Swab Rubbers ___

REMARKS	FROM	TO
DRILL OUT PLUG	4[00]	4[30]
PRESSURE UP UNDER SHOE	4[30]	5[00]
DRILLING.	5[00]	12[00]

Company Representative: Art W. Guthrie

Tool Pusher:

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE No 3

Date JAN 15/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Report 1

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.		Length
Serial No.			No. D.C.'s		Length
Bit Size					Length
Bit Type					Length
Dr. from			Kelly in =		
Dr. to			TOTAL =		
Cored from			D.C.O.D. Top		Hrs. On Bottom
Cored to			D.C.I.D. Top		Hrs. Off Bottom
Reamed from			Pipe Size		Trip Time
Reamed to			C.S.G. Set at		Serv. Time
Total Bit Footage			C.S.G. Size		Rep. Time
Bit Hrs.			Pipe in Hole	Jts.	Diesel Fuel Meter Reading
Table R.P.M.			Pipe on Racks	Jts.	Today
Depth	Deviation		Total Pipe on Lease	Jts.	Yesterday
Depth	Deviation				Consumption Gals.
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12							Liner Size	Liner Size
1							Water-Loss	Filter Cake / PH
2								
3								
4								
5							Mud Added Sacks	
6							Chemicals Added Lbs.	

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	W. SEMAK	Core Bit	Serial
Derrickman	D. ANDERSON	Reaming Bit	Serial
Cat Headman	S. ANDERSEN	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	H BOESTIE	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	G. SANTROCK		
Leaseman			

REMARKS

W.O.C.

FROM	TO
1200	800

Report 2

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.		Length
Serial No.			No. D.C.'s		Length
Bit Size					Length
Bit Type					Length
Dr. from			Kelly in =		
Dr. to			TOTAL =		
Cored from			D.C.O.D. Top		Hrs. On Bottom
Cored to			D.C.I.D. Top		Hrs. Off Bottom
Reamed from			Pipe Size		Trip Time
Reamed to			C.S.G. Set at		Serv. Time
Total Bit Footage			C.S.G. Size		Rep. Time
Bit Hrs.			Pipe in Hole	Jts.	REMARKS:
Table R.P.M.			Pipe on Racks	Jts.	
Depth	Deviation		Total Pipe on Lease	Jts.	
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8							Liner Size	Liner Size
9							Water-Loss	Filter Cake / PH
10								
11								
12								
1							Mud Added Sacks	
2							Chemicals Added Lbs.	
3								

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	D. McHUE	Core Bit	Serial
Derrickman	L. MILLAR	Reaming Bit	Serial
Cat Headman	D. BOESTIE	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	M. LAFRENTZ	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	L. TRUSS		
Leaseman			

REMARKS

W.O.C.

FROM	TO
8:00	4:00

Report 3

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.		Length
Serial No.			No. D.C.'s		Length
Bit Size					Length
Bit Type					Length
Dr. from			Kelly in =		
Dr. to			TOTAL =		
Cored from			D.C.O.D. Top		Hrs. On Bottom
Cored to			D.C.I.D. Top		Hrs. Off Bottom
Reamed from			Pipe Size		Trip Time
Reamed to			C.S.G. Set at		Serv. Time
Total Bit Footage			C.S.G. Size		Rep. Time
Bit Hrs.			Pipe in Hole	Jts.	REMARKS:
Table R.P.M.			Pipe on Racks	Jts.	
Depth	Deviation		Total Pipe on Lease	Jts.	
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4							Liner Size	Liner Size
5							Water-Loss	Filter Cake / PH
6								
7								
8								
9							Mud Added Sacks	
10							Chemicals Added Lbs.	
11								

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	B. BRISCOE	Core Bit	Serial
Derrickman	B. ANDERSON	Reaming Bit	Serial
Cat Headman	R. RAILTON	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	B. KNOWLSON	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	M. HACKNEY		
Leaseman			

REMARKS

W. O. C.

NIPPLE UP.

FROM	TO
400	700
700	1200

Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Date JAN 14/60

BRIGS
Well No. WEST TATHLINA LAKE #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Reamed / ~~Drilled~~ From 0 To 147 Hole Made 147

Bit No.	1A	1B
Serial No.	RETIP	RETIP
Bit Size	12¼	12¼
Bit Type	OSC	OSC
Dr. from		
Dr. to		
Cored from		
Cored to		
Reamed from	0	100
Reamed to	100	147
Total Bit Footage	100	47
Bit Hrs.	5	2¾
Table R.P.M.		

No. Stds. ____ Length ____
No. D.C.'s 4 Length 117.82
BIT BELL SUB D.P. SUB Length 3.80
Length ____
Kelly in = Length 25.38
TOTAL = 147.00
D.C.O.D. Top 6¼ Hrs. On Bottom
D.C.I.D. Top 2⅞ Hrs. Off Bottom
Pipe Size 4½ Trip Time
C.S.G. Set at Serv. Time
C.S.G. Size Rep. Time
Pipe in Hole Jts. Diesel Fuel Meter Reading
Pipe on Racks Jts. Today
Total Pipe on Lease Jts. Yesterday
Consumption Gals.

Depth 60 Deviation ¼°
Depth 120 Deviation ½°
Depth 142 Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	9.1	127	40	700	¾	
1	9.1	120	40		¾	
2	9.2	117	40		¾	
3	9.2	115	40		¾	
4	9.2	185	40		¾	
5	9.3	105	40		¾	
6	9.3	8.6	40		¾	
	9.4	70	40		¾	

No. 1 Pump Size 6¾ X 12 Liner Size 6¾
No. 2 Pump Size 5 X 10 Liner Size ~~4½~~ 5

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW	MATERIALS CHARGED TO OPERATOR	
Driller W. SEMAK	Core Bit	Serial
Derrickman D. ANDERSON	Reaming Bit	Serial
Cat Headman S. ANDERSEN	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper H. BOGSTIE	Swab Cups	Swab Rubbers
Rotary Helper		
Fireman G. SANTROCK		
Leaseman		

REMARKS	FROM	TO
REAMED TO 12¼" HOLE RAN 2 SURVEYS	12⁰⁰	5⁰⁰
TRIP FOR BIT	5⁰⁰	5¹⁵
REAMING	5¹⁵	8⁰⁰

Reamed / ~~Drilled~~ From 147 To 214 Hole Made 67

Bit No.	1B	
Serial No.	RETIP	
Bit Size	12¼	
Bit Type	OSC	
Dr. from		
Dr. to		
Cored from		
Cored to		
Reamed from	100	
Reamed to	214	
Total Bit Footage	114	
Bit Hrs.	8	
Table R.P.M.	100	

No. Stds. ____ Length ____
No. D.C.'s 6 Length 175.53
BIT BELL SUB Length ____
D.P. SUB Length 3.80
Kelly in = Length 34.67
TOTAL = 214.00
D.C.O.D. Top 6¼ Hrs. On Bottom
D.C.I.D. Top 2⅞ Hrs. Off Bottom
Pipe Size Trip Time 1½
C.S.G. Set at Serv. Time ¼
C.S.G. Size Rep. Time
Pipe in Hole Jts. REMARKS:
Pipe on Racks Jts.
Total Pipe on Lease Jts.

Depth Deviation
Depth 190' Deviation 0°
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8	9.2	65	40	150	¾	
9	9.2	68	40	150	¾	
10	9.2	72	40	150	¾	
11	9.2	71	40	150	¾	
12	9.2	70	40	150	¾	
1	9.2	70	40	150	¾	
2	9.2	70	40	150	¾	
3	9.2	65	40	150	¾	

No. 1 Pump Size 6¾ X 12 Liner Size 6¾
No. 2 Pump Size 5 X 10 Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW	MATERIALS CHARGED TO OPERATOR	
Driller D. McNAS 12 HRS	Core Bit	Serial
Derrickman L. MILLAR 12	Reaming Bit	Serial
Cat Headman D. BOGSTIE 12	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper M. LAFRENTZ 12	Swab Cups	Swab Rubbers
Rotary Helper		
Fireman L. TROSS		
Leaseman		

REMARKS	FROM	TO
REAMING	8:00	9:00
RIG SERVICE	9:00	9:15
TRIP & RUN IN W/ 7⅞" BIT TO CLEAN OUT PILOT HOLE	9:15	9:45
CLEAN OUT 80 FEET OF PILOT HOLE	9:45	11:15
TRIP TO REAM 12¼" BIT	11:15	12:00
REAMING	12:00	2:30
SURVEY	2:30	2:45
REAMING	2:45	4:00

Reamed / ~~Drilled~~ From 214 To 220 Hole Made 6

Bit No.	1R	
Serial No.	RETIP	
Bit Size	12¼	
Bit Type	OSC	
Dr. from		
Dr. to		
Cored from		
Cored to		
Reamed from	100	
Reamed to	220	
Total Bit Footage	120	
Bit Hrs.	9¼	
Table R.P.M.	100	

No. Stds. ____ Length ____
No. D.C.'s 6 Length 175.53
BELL SUB BIT Length 3.52
Length ____
Kelly in = Length 40.65
TOTAL = 220.00
D.C.O.D. Top Hrs. On Bottom
D.C.I.D. Top Hrs. Off Bottom
Pipe Size Trip Time
C.S.G. Set at Serv. Time
C.S.G. Size Rep. Time
Pipe in Hole Jts. REMARKS:
Pipe on Racks Jts.
Total Pipe on Lease Jts.

Depth Deviation
Depth Deviation
Depth Deviation
Depth Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						
5						
6						
7						
8						
9						
10						
11						

No. 1 Pump Size Liner Size
No. 2 Pump Size Liner Size

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW	MATERIALS CHARGED TO OPERATOR	
Driller B. HISCOE	Core Bit	Serial
Derrickman D. ANDERSON	Reaming Bit	Serial
Cat Headman PAUL HIS	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper B. ANDERSEN	Swab Cups	Swab Rubbers
Rotary Helper		
Fireman		
Leaseman M. HACKNEY		

REMARKS	FROM	TO
RAN 203.26 FT 8⅝ 24# J-55 CASING		
SHOE SET AT 217.66 K.B.		
CEMENTED BY HOWCO WITH 125 SKS CONSTRUCTION CEMENT 2% CaCl		
JOB COMPLETED 6 P.M.		
GOOD CEMENT RETURN.		
REAMING	4⁰⁰	5³⁰
TRIP CIRC. TO COND HOLE	5³⁰	6³⁰
HOIST COLLARS & RUN CASING	6³⁰	7⁴⁵
CIRC CASING	7⁴⁵	8⁴⁵
CEMENT & BUMP PLUG	8⁴⁵	9⁰⁰

Art Whiting
Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TATHLINA LAKE #3

Date JAN 13/60

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Tour 1

Drilled From 134 To 177 Hole Made 43

Bit No.	2	3	No. Stds.		Length
Serial No.	35223	29792	No. D.C.'s	5	Length 146.34
Bit Size	7 7/8	7 7/8			Length
Bit Type	2HM	LT3			Length
Dr. from	70	160	Kelly in =		30.66
Dr. to	160	177	TOTAL =		177.00
Cored from			D.C.O.D. Top	6 1/4	Hrs. On Bottom
Cored to			D.C.I.D. Top	2 7/8	Hrs. Off Bottom
Reamed from			Pipe Size	4 1/2	Trip Time
Reamed to			C.S.G. Set at		Serv. Time
Total Bit Footage	90	17	C.S.G. Size		Rep. Time
Bit Hrs.	13 1/2	2	Pipe in Hole	Jts.	Diesel Fuel Meter Reading
Table R.P.M.			Pipe on Racks	Jts.	Today
Depth 160	Deviation 1/2°		Total Pipe on Lease	Jts.	Yesterday
Depth	Deviation				Consumption Gals.
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12	9.	95			1/4	
1	9.1	105			1/4	
2	9.	97			1/4	
3	9.	97			1/4	
4	9.	98			1/4	
5	TRIP				1/4	
6	8.9	55			1/4	
	MIXING MUD					

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size
Liner Size 6 3/4 — Liner Size

Water-Loss	Filter Cake	PH

Mud Added Sacks: 600 lbs.-GEL
Chemicals Added Lbs.:

CREW	
Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOESTIE
Rotary Helper	
Fireman	C. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR: Core Bit — Serial; Reaming Bit — Serial; Core Cutters SF. HF. — Core Catchers SF. HF.; Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILLING & DROPPED 1 SURVEY	12:00	5:30
TRIP FOR BIT	5:30	6:00
DRILLING	6:00	8:00

Tour 2

Drilled From 177 To 186 Hole Made 9

Bit No.	3	No. Stds.		Length
Serial No.	29792	No. D.C.'s	5	Length 146.34
Bit Size	7 7/8			Length
Bit Type	LT3			Length
Dr. from	160	Kelly in =		39.66
Dr. to	186	TOTAL =		186.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom 3 1/2
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom 4 1/2
Reamed from		Pipe Size		Trip Time
Reamed to		C.S.G. Set at		Serv. Time
Total Bit Footage	26	C.S.G. Size		Rep. Time 4
Bit Hrs.	5 1/2	Pipe in Hole	Jts.	REMARKS:
Table R.P.M.	100	Pipe on Racks	Jts.	
Depth	Deviation	Total Pipe on Lease	Jts.	
Depth 186	Deviation 1/4°			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12		70				
1		70				
2		68				
3						

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size 5 x 10
Liner Size 6 3/4 — Liner Size 5

Water-Loss	Filter Cake	PH

Mud Added Sacks:
Chemicals Added Lbs.:

CREW	
Driller	D. MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOESTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TRUSS
Leaseman	

MATERIALS CHARGED TO OPERATOR: Core Bit — Serial; Reaming Bit — Serial; Core Cutters SF. HF. — Core Catchers SF. HF.; Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILL	8:00	9:30
HOOK UP STANDBY PUMP	9:30	1:30
DRILL	1:30	3:30
SURVEY	3:30	4:00

Tour 3

Drilled From 186 To 242 Hole Made 56

Bit No.	3	No. Stds.		Length
Serial No.	29792	No. D.C.'s	7	Length 201.82
Bit Size	7 7/8			Length
Bit Type	LT3			Length
Dr. from	160	Kelly in =		40.18
Dr. to	242	TOTAL =		242.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom
Reamed from		Pipe Size	4 1/2	Trip Time
Reamed to		C.S.G. Set at		Serv. Time
Total Bit Footage	82	C.S.G. Size		Rep. Time
Bit Hrs.		Pipe in Hole	Jts.	REMARKS:
Table R.P.M.		Pipe on Racks	Jts.	
Depth 242	Deviation 0	Total Pipe on Lease	Jts.	
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4	14					
5		X				
6			M/D			
7						
8						
9	9.1	150			3/4	
10	9.1	142			3/4	
11	9.1	143			3/4	

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size
Liner Size 6 3/4 — Liner Size

Water-Loss	Filter Cake	PH

Mud Added Sacks: 4300 lbs GEL
Chemicals Added Lbs.:

CREW	
Driller	B. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	R. PAULHUS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR: Core Bit — Serial; Reaming Bit — Serial; Core Cutters SF. HF. — Core Catchers SF. HF.; Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILLING & DROPPED ONE SURVEY	4:00	11:30
HOIST TO REAM	11:30	12:00

Art Whiting
Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS WEST TETLINA LAKE WELL # 3

Date JAN 12/60

Lsd. Sec. Twp. Rge. W.

Tour 1

Drilled From 0 To 30 Hole Made 30

Bit No.	1
Serial No.	86718
Bit Size	7 7/8
Bit Type	OSC-1G
Dr. from	0
Dr. to	30
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	30
Bit Hrs.	1
Table R.P.M.	100

No. Stds.	Length	
No. D.C.'s	Length	
	Length	
D BOX SUB	Length	1.83
Kelly in =		28.17
TOTAL =		30.00

D.C.O.D. Top 6 1/4 — Hrs. On Bottom
D.C.I.D. Top 2 7/8 — Hrs. Off Bottom
Pipe Size 4 1/2 — Trip Time
C.S.G. Set at — Serv. Time
C.S.G. Size — Rep. Time
Pipe in Hole Jts. — Diesel Fuel Meter Reading
Pipe on Racks Jts. — Today
Total Pipe on Lease Jts. — Yesterday
Consumption Gals.

Depth	Deviation

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						
2						
3						
4						
5						
6						
7						

No. 1 Pump Size — No. 2 Pump Size
Liner Size — Liner Size

Water-Loss	Filter Cake	PH

Mud Added Sacks: 2600 # GEL
Chemicals Added Lbs.: 100 # CAUSTIC

CREW

Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
WORK ON PUMP MOTORS	12:00	2:30
DRILLING	2:30	3:30
MIXING MUD LOST CIRCULATION	3:30	8:00
mud comeing up around		
rat hole pipe		

Tour 2

Drilled From 30 To 70 Hole Made 40

Bit No.	1	2
Serial No.	86718	35223
Bit Size	7 7/8	7 7/8
Bit Type	OSC-1G	2 HM
Dr. from	0	70
Dr. to	70	
Cored from		
Cored to		
Reamed from		
Reamed to		
Total Bit Footage	70	
Bit Hrs.	5	
Table R.P.M.	100	

No. Stds.	Length	
No. D.C.'s 2	Length	57.80
	Length	
	Length	
Kelly in =		12.20
TOTAL =		70.00

D.C.O.D. Top 6 1/4 — Hrs. On Bottom 4
D.C.I.D. Top 2 7/8 — Hrs. Off Bottom 4
Pipe Size — Trip Time 1/2
C.S.G. Set at — Circ. Time 3 1/2
C.S.G. Size — Rep. Time
Pipe in Hole Jts. — REMARKS:
Pipe on Racks Jts.
Total Pipe on Lease Jts.

Depth	Deviation
60'	1/2°

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12						
1						
2						
3		48				

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size
Liner Size 6 3/4 — Liner Size

Water-Loss	Filter Cake	PH

Mud Added Sacks: 6 Gell
Chemicals Added Lbs.: ~~3~~ 2 SAW DUST

CREW

Driller	D. McNAB
Derrickman	L. MILLAR
Cat Headman	D. BOGSTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L. TROSS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
MIX LOST CIRCULATION	8:00	
MATERIAL		10:00
DRILL	10:00	2:00
MIX MUD	2:00	3:30
SURVEY & RUN IN W BIT # 2	3:30	4:00

Tour 3

Drilled From 70 To 134 Hole Made 64

Bit No.	2
Serial No.	35223
Bit Size	7 7/8
Bit Type	2 HM CROSS SECTION
Dr. from	70
Dr. to	134
Cored from	
Cored to	
Reamed from	
Reamed to	
Total Bit Footage	64
Bit Hrs.	8
Table R.P.M.	

No. Stds.	Length	
No. D.C.'s 4	Length	117.82
	Length	
	Length	
Kelly in =		16.18
TOTAL =		134.00

D.C.O.D. Top 6 1/4 — Hrs. On Bottom
D.C.I.D. Top 2 7/8 — Hrs. Off Bottom
Pipe Size 4 1/2 — Trip Time
C.S.G. Set at — Serv. Time
C.S.G. Size — Rep. Time
Pipe in Hole Jts. — REMARKS:
Pipe on Racks Jts.
Total Pipe on Lease Jts.

Depth	Deviation
106	1/2
130	1/4

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						
5						
6						
7						
8						
9						
10						
11						

No. 1 Pump Size 6 3/4 x 12 — No. 2 Pump Size
Liner Size 6 3/4 — Liner Size

Water-Loss	Filter Cake	PH

Mud Added Sacks
Chemicals Added Lbs.

CREW

Driller	B. BRISCOE
Derrickman	D. ANDERSON
Cat Headman	L. PAWLAOS
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKNEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit — Serial
Reaming Bit — Serial
Core Cutters SF. HF. — Core Catchers SF. HF.
Swab Cups — Swab Rubbers

REMARKS	FROM	TO
DRILLING & DROPPED TWO SURVEYS	4:00	12:00

Art Whiting [Company Representative]

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Date JAN 11/60

Well No. Briggs West Tatting Lake #3

Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___

Tour 1

Drilled From ___ To ___ Hole Made ___

Bit No.			No. Stds.	Length		
Serial No.			No. D.C.'s	Length		
Bit Size				Length		
Bit Type				Length		
Dr. from			Kelly in =			
Dr. to			TOTAL =			
Cored from			D.C.O.D. Top	Hrs. On Bottom		
Cored to			D.C.I.D. Top	Hrs. Off Bottom		
Reamed from			Pipe Size	Trip Time		
Reamed to			C.S.G. Set at	Serv. Time		
Total Bit Footage			C.S.G. Size	Rep. Time		
Bit Hrs.			Pipe in Hole	Jts.	Diesel Fuel Meter Reading	
Table R.P.M.			Pipe on Racks	Jts.	Today	
Depth	Deviation		Total Pipe on Lease	Jts.	Yesterday	
Depth	Deviation				Consumption	Gals.
Depth	Deviation					
Depth	Deviation					

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
12						
1						
2						
3						
4						
5						
6						

No. 1 Pump Size ___ No. 2 Pump Size ___

Liner Size ___ Liner Size ___

Water-Loss	Filter Cake	PH

Mud Added Sacks ___

Chemicals Added Lbs. ___

CREW	
Driller	W. SEMAK
Derrickman	D. ANDERSON
Cat Headman	S. ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit		Serial	
Reaming Bit		Serial	
Core Cutters SF. HF.		Core Catchers SF. HF.	
Swab Cups		Swab Rubbers	

REMARKS	FROM	TO
CEMENT CONDUCTOR PIPE	12⁰⁰	2³⁰
W.O.C.	2³⁰	8⁰⁰

USED 25 SAX CEMENT
25# CALCIUM CLORIDE
15# GYP SEAL

Tour 2

Drilled From ___ To ___ Hole Made ___

Bit No.			No. Stds.	Length	
Serial No.			No. D.C.'s	Length	
Bit Size				Length	
Bit Type				Length	
Dr. from			Kelly in =		
Dr. to			TOTAL =		
Cored from			D.C.O.D. Top	Hrs. On Bottom	
Cored to			D.C.I.D. Top	Hrs. Off Bottom	
Reamed from			Pipe Size	Trip Time	
Reamed to			C.S.G. Set at	Serv. Time	
Total Bit Footage			C.S.G. Size	Rep. Time	
Bit Hrs.			Pipe in Hole	Jts.	REMARKS:
Table R.P.M.			Pipe on Racks	Jts.	
Depth	Deviation		Total Pipe on Lease	Jts.	
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
8						
9						
10						
11						
12						
1						
2						
3						

No. 1 Pump Size ___ No. 2 Pump Size ___

Liner Size ___ Liner Size ___

Water-Loss	Filter Cake	PH

Mud Added Sacks ___

Chemicals Added Lbs. ___

CREW	
Driller	D. MOHNS
Derrickman	L. MILLAR
Cat Headman	D. BOESTIE
Rotary Helper	M. LAFRENTZ
Rotary Helper	
Fireman	L TRUSS 10 HRS - 2 HRS ON UTILITY HOUSE
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit		Serial	
Reaming Bit		Serial	
Core Cutters SF. HF.		Core Catchers SF. HF.	
Swab Cups		Swab Rubbers	

REMARKS	FROM	TO
DIGGING RAT HOLE	8:00	4:00

Tour 3

Drilled From ___ To ___ Hole Made ___

Bit No.			No. Stds.	Length	
Serial No.			No. D.C.'s	Length	
Bit Size				Length	
Bit Type				Length	
Dr. from			Kelly in =		
Dr. to			TOTAL =		
Cored from			D.C.O.D. Top	Hrs. On Bottom	
Cored to			D.C.I.D. Top	Hrs. Off Bottom	
Reamed from			Pipe Size	Trip Time	
Reamed to			C.S.G. Set at	Serv. Time	
Total Bit Footage			C.S.G. Size	Rep. Time	
Bit Hrs.			Pipe in Hole	Jts.	REMARKS:
Table R.P.M.			Pipe on Racks	Jts.	
Depth	Deviation		Total Pipe on Lease	Jts.	
Depth	Deviation				
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added
4						
5						
6						
7						
8						
9						
10						
11						

No. 1 Pump Size ___ No. 2 Pump Size ___

Liner Size ___ Liner Size ___

Water-Loss	Filter Cake	PH

Mud Added Sacks ___

Chemicals Added Lbs. ___

CREW	
Driller	B. BRISCOE
Derrickman	[illegible] ANDERSON
Cat Headman	[illegible]
Rotary Helper	B. ANDERSEN
Rotary Helper	
Fireman	M. HACKLEY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit		Serial	
Reaming Bit		Serial	
Core Cutters SF. HF.		Core Catchers SF. HF.	
Swab Cups		Swab Rubbers	

REMARKS	FROM	TO
DIG RAT HOLE	4⁰⁰	8⁰⁰
RIG UP FLOW NIPPLE	8⁰⁰	9⁰⁰
DRILLING	9⁰⁰	10⁰⁰
Working [illegible]	10⁰⁰	12⁰⁰

GUTHRIE McLAREN DRILLING LTD.

Company Representative: Art Whiting

Tool Pusher:

Date: JAN. 10/60

Well No.: Briggs West Tathlina Lake #3

Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____

Column 1

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length
Bit Size				Length
Bit Type				Length
Dr. from			Kelly in =	
Dr. to			TOTAL =	
Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole Jts.	Diesel Fuel Meter Reading
Table R.P.M.			Pipe on Racks Jts.	Today
Depth	Deviation		Total Pipe on Lease Jts.	Yesterday
Depth	Deviation			Consumption Gals.
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12							Liner Size	Liner Size
1							Water-Loss	Filter Cake / PH
2								
3								
4								
5							Mud Added Sacks	
6							Chemicals Added Lbs.	
7								

CREW

Driller	W. SEMAK.
Derrickman	D ANDERSON
Cat Headman	S ANDERSEN
Rotary Helper	H. BOGSTIE
Rotary Helper	
Fireman	G. SANTROCK
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
RIGGING UP & FIRING BOILER.	8:00	4:00

Column 2

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length
Bit Size				Length
Bit Type				Length
Dr. from			Kelly in =	
Dr. to			TOTAL =	
Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole Jts.	REMARKS:
Table R.P.M.			Pipe on Racks Jts.	
Depth	Deviation		Total Pipe on Lease Jts.	
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8							Liner Size	Liner Size
9							Water-Loss	Filter Cake / PH
10								
11								
12								
1							Mud Added Sacks	
2							Chemicals Added Lbs.	
3								

CREW

Driller	D. McHNS 12 HRS
Derrickman	L. MILLAR 12 HRS
Cat Headman	D BOGSTIE 16 HRS
Rotary Helper	M. LAFRENTZ 12 HRS
Rotary Helper	
Fireman	L. TROSS 14 HRS
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
RIGGING UP & FIRING BOILER.		

Column 3

Drilled From ____ To ____ Hole Made ____

Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length
Bit Size				Length
Bit Type				Length
Dr. from			Kelly in =	
Dr. to			TOTAL =	
Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole Jts.	REMARKS:
Table R.P.M.			Pipe on Racks Jts.	
Depth	Deviation		Total Pipe on Lease Jts.	
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4							Liner Size	Liner Size
5							Water-Loss	Filter Cake / PH
6								
7								
8								
9							Mud Added Sacks	
10							Chemicals Added Lbs.	
11								

CREW

Driller	B BRISCOE
Derrickman	DL ANDERSON
Cat Headman	
Rotary Helper	B ANDERSTNI
Rotary Helper	
Fireman	M. HAGARTY
Leaseman	

MATERIALS CHARGED TO OPERATOR

Core Bit	Serial
Reaming Bit	Serial
Core Cutters SF. HF.	Core Catchers SF. HF.
Swab Cups	Swab Rubbers

REMARKS	FROM	TO
BIG UP	4:00	8:00
DIG CONDUCTOR PIPE HOLE & CEMENTED SAME	8:00	12:00
USED 31 SAX CEMENT 50# CALCIUM CHLORIDE 25# GYP SEAL		