

HORN RIVER

G P D. NOEL ET

AL. RABBIT LAKE

H - 0 1

Drilling Authority No. 462
Date issued 9-12-70

WELL NAME Horn River OFD H&L et al Rabbit Lake H-01

FIELD LOCATION: Unit H Area: 01 Grid 61-10-118-45
Latitude 61-00-25 Longitude 118-45-12
U.W.L.R. 61.06694 — 118.75361
U.W.I. 300H010110118450

Rig Release Date:
Status:
Information Release Date:

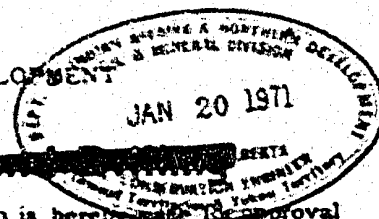
CHANGE OF NAME:

DATE RECEIVED	INDEX
9-12-70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
27-1-71	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....



File No. _____
Drilling Authority No. 462

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION



Application to Abandon a Well

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well Horn River GPD Noel et al Rabbit Lake H-01
Location: Unit H Section 01 Grid 61 10', 118 45'
Latitude 61°00'25" Longitude 118°45'13"
From Established Reference Marker
Universal Well Location Reference Lat. 61.00694° N. Long. 118.75361° W.
Permit No. 4385 Lease No. _____

Canada Cities Service Petroleum Corp.
(Permitter, Licensee, Lessee)

Date of commencement of proposed program Spudded Dec. 11, 1970 9:30 AM

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at _____
Gas at 2640-2751' (DST #1 - recovered 1600' gassy sulphurous muddy salt water)
Water at 2640 - 2751'
Total Depth 3085 Date of last operations Rig Release Dec. 22, 1970
Present condition of well Dry and Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 7"	20#	316 ft.	316	120 sx const. cement + 3% CaCl ₂	NIL
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Pier		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	3085 - 2450	Slave Pt., Watt Mtn, Muskeg, Chinchaga, Granite Wash PreCambrian	150 sx cement + 4% Gel	
2	375 to surface		85 sacks cement - cement returns + 4% Gel	to surface

Cut casing 3 ft. below ground. Weld on Plate. Also weld rod and flag showing well name and number.

The following logs have been run. One IES One BHC Sonic Log, one SNP
Other operations proposed _____

Operations to be carried out by Kenting Oilwell Drilling Contractor Licence No. 0800
Address Hay River Address _____
Responsible Agent in field Al Whitteron
Dated at Calgary, this 19 Day of January 19 71
Signed by *Al Whitteron* Company Horn River Resources Ltd.
Title President Operator's Exploratory Licence No. 1785

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For OIL AND MINERAL DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. G.E. Blue
on the 22nd December 1970

Dated 27th January, 19 71

G.E. Blue
Oil Conservation Engineer

Drilling Authority No. 462

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:-

Name and number of well Horn River 920 Well at al Rabbit Lake H-01
Location: Unit H Section 01 Grid 61° 10', 118° 45'
Latitude 61° 00' 25" Longitude 118° 45' 13"
Unique Well Identifier H004016110118450
Universal Well Location Reference Lat. 61.0069422, Long. 118.7536122
Elevation: Ground 917' K.B. feet above sea-level.
Well is expected to produce from Sulphur Point, Slave Point (Mid. dev.) formation at a depth of about feet Expected total final depth 2,900'
Area assigned to well
(For Oil Conservation Engineer's use only)

Permit No. 4385 Lease No. Acreage 31,000

Permittee, licensee, or lessee Canada Cities Service Petroleum Corporation

Exploratory Licence No. 1650

Surface owned by Crown or

(If applicant submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Crown

We propose to use the following strings of casing, either cementing or landing them as indicated below:-

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Feet of Cement
1. 7"	20	J-55	Used	300	100
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Sulphur Point, Slave Point and other Devonian Carbonates - Control with mud and Blowout Preventers.

2 B.O.P.'s - 10" 900 Series G.R. Hydro

- 10" 900 Series Schaffer Mechanical Double Gate

Well will be drilled with Rotary Rig No. 35 by Kenting Ltd. (Oilwell Drilling Division)
(Drilling Contractor or company)

Responsible agent of applicant:-

Contractor's Business Licence No. 800

At well Gordon Gillis At registered office P. L. Woolley

Address c/o Kenting Ltd. General DelAddress 1020 Aquitaine Tower, 540 - 8th Avenue S.W.
Ft. Simpson Calgary 1, Alberta

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary this 1st day of December 19 70

Signed by P. L. Woolley Company Horn River Resources Ltd.

Title President Operator's Licence No. 1785

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:-

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week, the latest

Dated 9th December 19 70 Please see over page

Oil Conservation Engineer

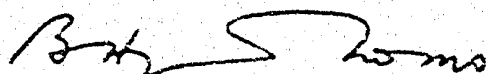
Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

reports received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

5. Production and Intermediate strings of casing are to receive the approval of the Oil Conservation Engineer before running.



B.H.J. Thoms, Oil Conservation Engineer

RABBIT LAKE 61°05'N, 118°45'W
Shot Point 86, Line W

Est. K.B. +950

Spud in Hay River Limestone

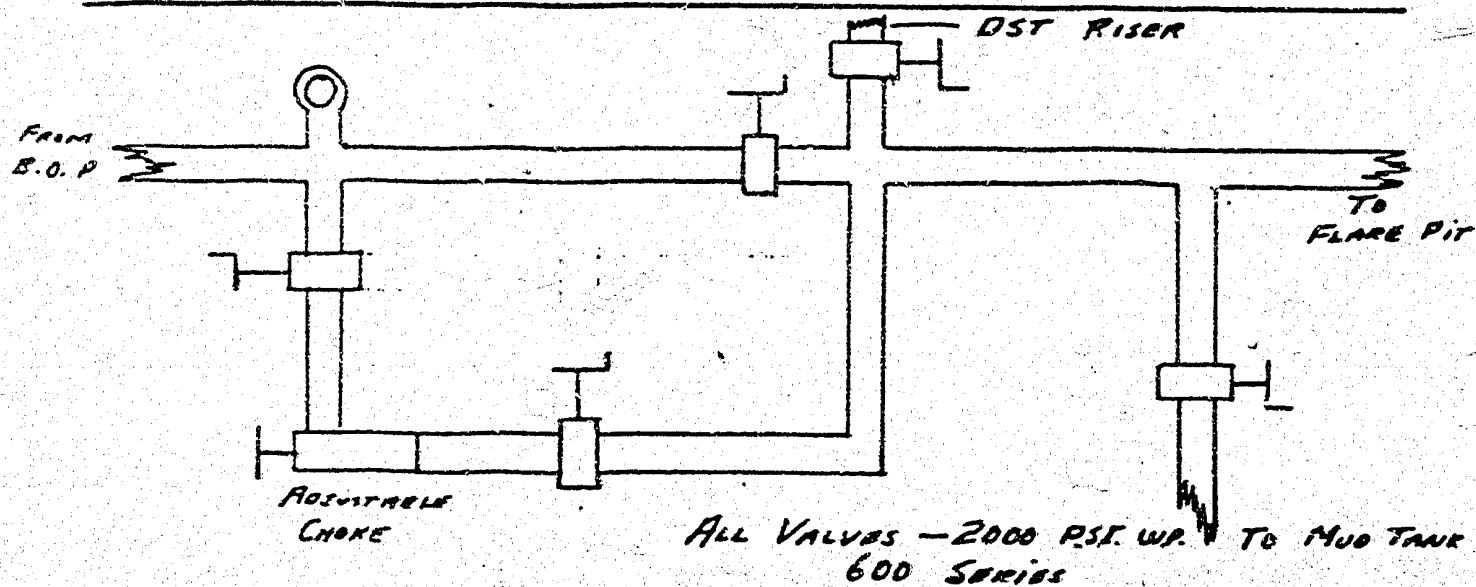
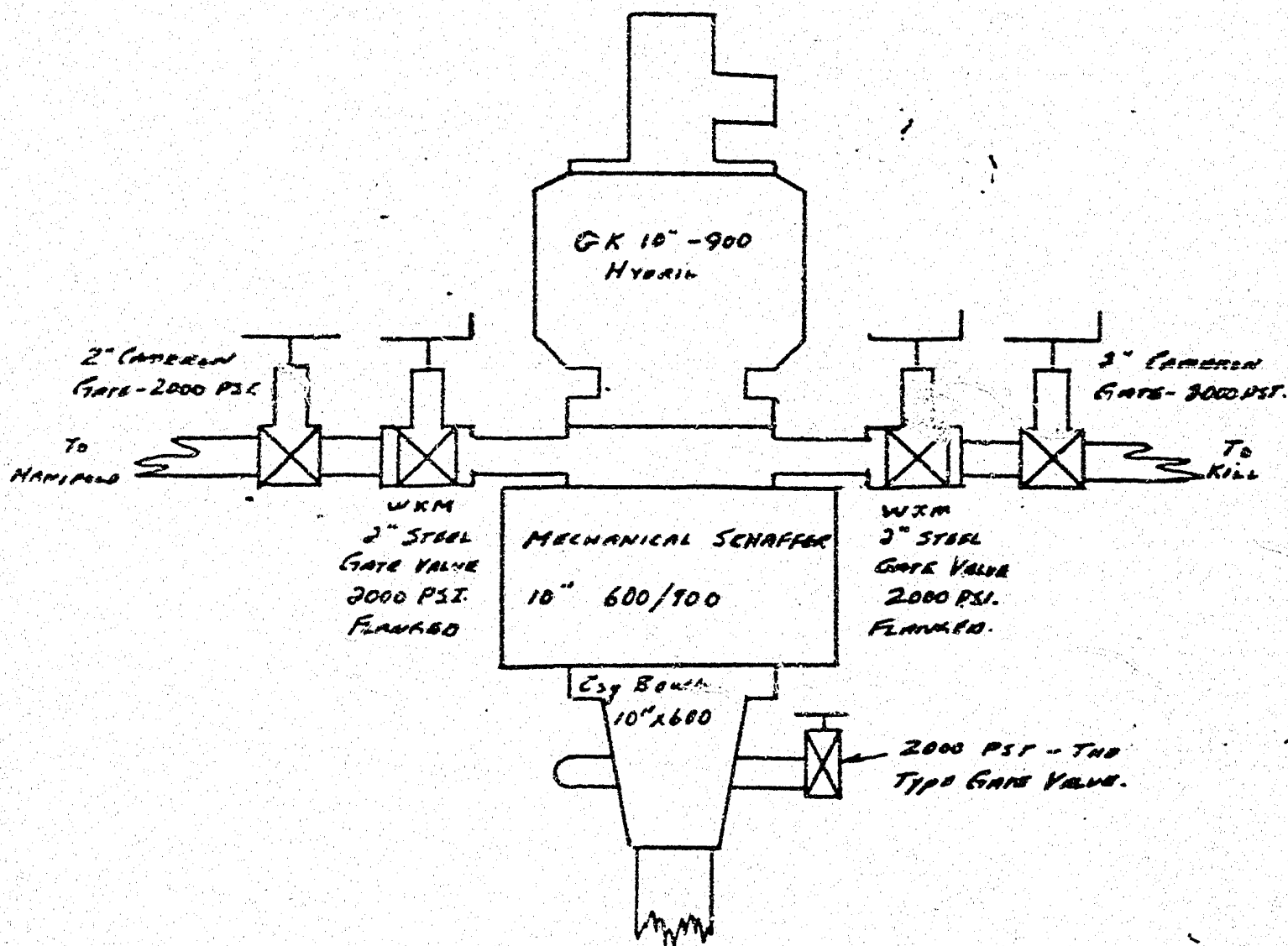
	K.B. Depth	Elevation
Hay River Shale	300	+650
Slave Point	2400	-1450
Precambrian	2900	-1950

Note: Lost circulation expected in Hay River Limestone

W. J. ...

Drift should be less than 100 ft thick
94

Fig # 35



DIVISION OF KENTING EXPLORATION SERVICES LTD.

0.6 bit/sec H-01

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 35 LOCATION Blue Ridge C.P.D. West of P. R. AREA Boone Lake DATE Dec 53 19 53

Tefco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
B.O.P. Test-Operated _____ Time _____ Results _____

Toolpusher

Approved by

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 35 LOCATION Hill Point 600 N. 1/4 Sec. 16, T. 14 N. R. 10 E. AREA DATE Dec 22, 1970

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons	
Driller <u>R.L. KENNEDY</u>	4													
Derrick <u>F. FRASER</u>	3													
Floor <u>A. AMER</u>	3													
Floor														
Floor														
Motor <u>B. BEAUFORD</u>	3													
Mechanic														
Extra														
Injuries: <u>NIL</u>														
Fires: <u>NIL</u>														
Tour — 8 a.m. to 4 p.m.														
Specify actual hours worked														
Driller <u>M. ANDERSON</u>	16													
Derrick <u>F. FRASER</u>	16													
Floor														
Floor <u>M. ANDERSON</u>	16													
FL														
Motor <u>O. DICKINSON</u>	16													
Mechanic														
Extra														
Injuries:														
Fires: <u>NIL</u>														
Tour — 4 p.m. to Midnight														
Specify actual hours worked														
Driller <u>D. KLIMCHAK</u>	16													
Derrick <u>D. NICHOLSON</u>	16													
Floor <u>M. MUSKUNIK</u>	16													
Floor														
Floor														
Motor <u>R. MILKUNEN</u>	16													
Mechanic														
Extra														
Injuries:														
Fires: <u>NIL</u>														

REMARKS	Time		
	Start	Stop	Interval
Blow 7 DST #2	12:00	1:30	1 1/2
Run in Sand with Packer	1:45	2:45	1 1/4
Make up Test	2:45	3:15	3/4
Test	3:15	6:50	3 3/4
Make DST #2	6:50	4	1 1/2
DST #2 - 2583 to 2577. Pro flow 5 min. IS 1600			
Flow 60 min FSI 60 min. Fair air flow			
decreasing to a very weak air flow in 30 min. Recovered			
5 feet dead drilling mud. IHP 1328 - ISIP 152			
IFP 38 FFP 25 FSI 183 FHP 1211			
BHT 02F			
Company Time	Cont'r Time		
	8:00	1:00	1 1/2
Break Packer + Load	9:00	0	
Put Jammer		11:00	2
Key down D.C.	11:00	12:00	1
12 in in Back Circ	12:00	1:05	1 1/4
Run Plug #1	1:15	1:45	1/2
Key down D.C.	1:45	2:00	1/4
Run Plug #2	2:00	2:15	1/4
Pipe Heavy Tight			
Return to Surface			
Company Time	Cont'r Time		
Key down D.C.	4:00	4:00	4
Run Plug #2	4:00	4:30	1/2
Key down Kelly BOP	4:30		
Dry Cylcon		12:00	3 1/2
Rig Released @ 12:00 AM - Midnight.			
Dec 22/70			
Company Time	Cont'r Time		

Totco Ring on Bit No. _____ D.P. Caliper Date _____ Results _____ From Pipe Rack _____
 B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Telpusher _____
 Total Company Time _____ Hrs. Approved by _____

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 35 LOCATION *Lawrence Road, 1000 ft. from H.C.I. AREA, Rossie, Iowa* DATE *Dec 27* 1976

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.
Driller <i>PL L...</i>	1	3045												
Derrick <i>F. F...</i>	3													
Floor <i>A. H...</i>	3													
Floor														
Floor														
Motor <i>B. B...</i>	4													
Mechanic														
Extra														
Injuries: <i>Nil</i>														
Fires: <i>Nil</i>														

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.
Driller <i>K. A. ...</i>	5	3045												
Derrick <i>F. S. ...</i>	5													
Floor														
Floor <i>M. L. ...</i>	5													
Fl. <i>E. M. ...</i>														
Motor <i>D. P. ...</i>	5													
Mechanic														
Extra														
Injuries:														
Fires: <i>Nil</i>														

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Other Ft.
Driller <i>D. K. ...</i>	5	3045												
Derrick <i>B. K. ...</i>	5													
Floor <i>M. K. ...</i>	5													
Floor														
Floor														
Motor <i>S. B. ...</i>	5													
Mechanic														
Extra														
Injuries:														
Fires:														

REMARKS	Time		
	Start	Stop	Interval
<i>1. Drilling 1000 ft. from H.C.I. AREA</i>			
<i>2. S.N.P.</i>			
<i>3. D. Collars</i>			
<i>4. Other Ft.</i>			
<i>5. C.B. Ft.</i>			
<i>6. Subs. Ft.</i>			
<i>7. Ft. Up On Kelly</i>			
<i>8. TOTAL</i>			
<i>9. Slip</i>			
<i>10. Feet Left on Spool</i>			
<i>11. Next Slip</i>			
<i>12. Company Time</i>			
<i>13. Cont'r Time</i>			
<i>14. MAKE UP TEST</i>	8:00	9:00	1
<i>15. COMPLETE MAKING UP TEST</i>	11:30	12:15	45
<i>16. HEAD UP TO TEST</i>	1:45	2:00	15
<i>17. TESTING</i>	2:00	4:00	2
<i>18. 1680' of gas, sulphurous, mud cut salt water</i>			
<i>19. IHP 1287, FHP 1270, IEP 208, FFP 866</i>			
<i>20. ISIP 1177, FSIP 1177, BHT 95°F</i>			
<i>21. Testing</i>	4:00	5:00	1
<i>22. Drill bit with 1800' fluid</i>	5:00	5:45	45
<i>23. Tool down hole</i>	5:45	6:00	15
<i>24. W. P. D.</i>	6:00	6:15	15
<i>25. Measure tail pipe and from end of run</i>	11:30	12:00	30
<i>26. 17</i>			
<i>27. 18</i>			
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<i>211. 202</i>			
<i>212. 203</i>			
<i>213. 2</i>			

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS

Time	
Start	Stop

Tour — Midnight - 8 a.m.		Specify actual hours worked		Hrs.
Driller	C. L. K...			
Derrick				
Floor				
Floor				
Floor				
Motor				
Mechanic				
Extra				
Injuries:				
Fires:				

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	YS 1-3	3-11	7465.62			10				6	
2	6 1/2	YS 1-3	3-11	7465.62								
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												
Slip												
Feet Left on Spool												
Next Slip												
General												
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	WT-T	3-11	22147	35	80	65	7 1/2			Running	
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												
Slip												
Feet Left on Spool												
Next Slip												
General												
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	WT-T	3-11	22147	35	75	71	8 1/2			3-1-1	
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												
Slip												
Feet Left on Spool												
Next Slip												
General												
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	WT-T	3-11	22147	35	75	71	8 1/2			3-1-1	
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												
Slip												
Feet Left on Spool												
Next Slip												
General												
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	WT-T	3-11	22147	35	75	71	8 1/2			3-1-1	
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												
Slip												
Feet Left on Spool												
Next Slip												
General												
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	WT-T	3-11	22147	35	75	71	8 1/2			3-1-1	
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												
Slip												
Feet Left on Spool												
Next Slip												
General												
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
1	6 1/2	WT-T	3-11	22147	35	75	71	8 1/2			3-1-1	
MUD												
WEIGHT												
VISCOSITY												
GEL												
At Surveys Degree												
MOTOR HOURS												
Next Oil Change												
C.B. Ft.												
Subs. Ft.												
Ft. Up On Kelly												
TOTAL												

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

[illegible]

Total Contractor Time _____ Mrs. Toolpusher _____

Total Company Time _____ Mrs. _____ Approved by _____

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 35 LOCATION Hornumers G.P. Road at Rabbit Lake AREA Rabbit Lake DATE Dec 19 1970

Tour — Midnight - 8 a.m.		From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FUEL		WATER		COAL		Stands	
Specify actual hours worked		Hrs.		2759		146		2905		7 1/4		58M		19		4 1/2				17 1/4 25	
Driller D. Khinich		8		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.	
Derrick J. Minley		8		4		6 1/4		CWT		2 1/2		20072		32M		120		270		12	
Floor M. Markumbank		8		S																D. Collars	
				B																Other Ft.	
				I																C.B. Ft.	
				T																Subs. Ft.	
Floor				MUD		12 Mn.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
Floor				WEIGHT		94		94		94		94		C-Drum 150				1		245 DW	
Motor R. Markumbank		8		VISCOSITY		42		40		42		50		C-Drum 150				2		245 PLMP	
Mechanic				GEL										C-Drum 150				3		200 LF	
Extra				P		No. 1		Pres-sure		600		600		600				4			
				M		Model		S.P.M.		53		53		53				5			
				P		Liner		Size		5 1/2								Feet Left on Spool		Next Slip	
				U		No. 2		Pres-sure													
				M		Model		S.P.M.													
Injuries: nil				S		Liner		Size													
Fires:																					
				W.L.		F.C.		pH													
Tour — 8 a.m. to 4 p.m.		From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FUEL		WATER		COAL		Stands	
Specify actual hours worked		Hrs.		2405		9		2914		1		58M		19		4 1/2				2355-58	
Driller C.L. KENNER		8		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.	
Derrick F. ERASER		8		4		6 1/4		CWT		3-11		20080		35		120		294		13	
Floor A. MEYER		8		S																D. Collars	
Floor J. MEYER		8		B																Other Ft.	
				I																C.B. Ft.	
				T																Subs. Ft.	
Motor B. BENEFIELD		8		MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
Mechanic				WEIGHT		84												1		456 DW	
Extra M. R. BETH		8		VISCOSITY		45												2		456 PLMP	
				GEL														3		200 LF	
				P		No. 1		Pres-sure										4			
				M		Model		S.P.M.		53								5			
				P		Liner		Size		5 1/2								Feet Left on Spool		Next Slip	
				U		No. 2		Pres-sure													
				M		Model		S.P.M.													
Injuries: nil				S		Liner		Size													
Fires: nil																					
				W.L.		F.C.		pH													
Tour — 4 p.m. to Midnight		From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FUEL		WATER		COAL		Stands	
Specify actual hours worked		Hrs.		2914		87		3001		7 3/4		58M		19		4 1/2				37	
Driller K. ANDERSON		8		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.	
Derrick F. SASHUK		8		5		6 1/4		YSL		3-11		726862		35		120				D. Collars	
Floor M. L. RIVIERE		8		B																Other Ft.	
				I																C.B. Ft.	
				T																Subs. Ft.	
Floor				MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	
Floor				WEIGHT		91		91		90		70		C-Drum 150				1		264 DW	
Motor D. DUCKMONTEN		8		VISCOSITY		42		45		40		44		C-Drum 150				2		264 PLMP	
Mechanic				GEL										C-Drum 150				3		216 LF	
Extra				P		No. 1		Pres-sure		7		7		7				4			
				M		Model		S.P.M.		53								5			
				P		Liner		Size		5 1/2								Feet Left on Spool		Next Slip	
				U		No. 2		Pres-sure													
				M		Model		S.P.M.													
Injuries:				S		Liner		Size													
Fires:																					
				W.L.		F.C.		pH													

REMARKS		Time	
Start	Stop	Interval	
12:00	12:45	45	Drill
12:45	1:00	15	Service Trip
1:00	3:00	2:00	Drill
Company Time			
Cont'r Time			
9:00	9:45	45	Drill
9:45	10:00	15	Deep Survey + Tool Joint Dis. S.M. Security
10:00	1:00	1:00	TEP Fall Bit
1:00	1:30	30	Work on Drawers Hip Lines
1:30	3:00	1:30	Finish Trip
3:00	4:00	1:00	Work Bailed Bit
Company Time			
Cont'r Time			
4:00	4:15	15	Rig Set
4:15	4:30	15	Drill
4:30	7:00	2:30	Drill
Company Time			
Cont'r Time			

Totco Ring on Bit No.

D.P. Caliper Date

Results

From Pipe Rack

Total Contractor Time

Toolpusher

Total Company Time

Approved by

B.O.P. Test-Operated

Time

Results

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 35 LOCATION Near River G.P. West of Lake AREA Lake DATE Dec 18 1973

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.				
Driller	<u>N. Klineck</u>	<u>2233</u>	<u>267</u>	<u>2500</u>	<u>7 1/2</u>	<u>57M</u>	<u>19</u>	<u>4 3/4</u>						<u>319177</u>
Derrick	<u>W. Nierberg</u>													
Floor	<u>M. Murchmanchi</u>													
Floor														
Floor														
Motor	<u>R. Murchmanchi</u>													
Mechanic														
Extra														
Injuries:	<u>nil</u>													
First:														

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.				
Driller	<u>L. Klineck</u>	<u>2236</u>	<u>135</u>	<u>2635</u>	<u>6 1/4</u>	<u>54M</u>	<u>14</u>	<u>4 1/2</u>	<u>2 1/2</u>					<u>319177</u>
Derrick	<u>F. Farnes</u>													
Floor	<u>L. H. H.</u>													
Floor	<u>L. H. H.</u>													
Motor	<u>B. B. B.</u>													
Mechanic														
Extra	<u>A. B. B.</u>													
Injuries:	<u>nil</u>													
First:	<u>W.L.</u>													

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.				
Driller	<u>K. ANDERSON</u>	<u>2635</u>	<u>24</u>	<u>2759</u>	<u>4 1/4</u>	<u>60</u>	<u>14</u>	<u>4 1/2</u>	<u>2</u>	<u>35</u>				<u>35</u>
Derrick	<u>F. JASNUK</u>													
Floor														
Floor	<u>M. LORIERE</u>													
Floor														
Motor	<u>D. DUCKMONT</u>													
Mechanic														
Extra														
Injuries:	<u>nil</u>													
First:														

REMARKS			Time		
Start	Stop	Interval			
12:00	12:15	15			
12:15	12:30	15			
12:30	12:45	15			
12:45	1:00	15			
1:00	1:15	15			
1:15	1:30	15			
1:30	1:45	15			
1:45	2:00	15			
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2:30	2:45	15			
2:45	3:00	15			
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4:45	5:00	15			
5:00	5:15	15			
5:15	5:30	15			

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control-Drilling" as well as HOURS.

RIG No. 35 LOCATION Ham River C.D. No. 1 of Rabbit Lake AREA Rabbit Lake DATE Dec 17 19 70

Tour — Midnight - 8 a.m.		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		COAL		Stands		
Specify actual hours worked		Hrs.		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		
Driller	<u>L. Klemm</u>	<u>8</u>		<u>1524</u>	<u>246</u>	<u>1770</u>	<u>6</u>			<u>49</u>	<u>19</u>	<u>44</u>			<u>587</u>	<u>3</u>												
Derrick	<u>W. Nurnberg</u>	<u>8</u>		<u>2</u>	<u>64</u>	<u>YFIA</u>	<u>3-14</u>			<u>5364</u>	<u>28</u>	<u>155-25</u>	<u>135</u>	<u>586</u>	<u>13 1/2</u>													
Floor	<u>M. Minkunawaki</u>	<u>8</u>																										
Floor																												
Floor																												
Motor	<u>A. Minkunawaki</u>	<u>8</u>																										
Mechanic																												
Extra																												
Injuries:																												
Fire:	<u>nil</u>																											

Tour — 8 a.m. to 4 p.m.		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		COAL		Stands		
Specify actual hours worked		Hrs.		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		
Driller	<u>L. Klemm</u>	<u>4</u>		<u>1470</u>	<u>170</u>	<u>1446</u>	<u>5 1/2</u>			<u>50</u>	<u>14</u>	<u>44</u>			<u>50</u>	<u>14</u>												
Derrick	<u>E. F. F. F.</u>	<u>4</u>		<u>12</u>	<u>140</u>	<u>YFIA</u>	<u>3-14</u>			<u>5364</u>	<u>28</u>	<u>155-25</u>	<u>135</u>	<u>586</u>	<u>13 1/2</u>													
Floor	<u>L. Klemm</u>	<u>4</u>																										
Floor	<u>M. Minkunawaki</u>	<u>4</u>																										
Floor																												
Motor	<u>A. Minkunawaki</u>	<u>4</u>																										
Mechanic																												
Extra	<u>M. Minkunawaki</u>	<u>4</u>																										
Injuries:	<u>Nil</u>																											
Fire:	<u>Nil</u>																											

Tour — 4 p.m. to Midnight		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		COAL		Stands		
Specify actual hours worked		Hrs.		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		
Driller	<u>L. Anderson</u>	<u>8</u>		<u>1946</u>	<u>287</u>	<u>2-33</u>	<u>6</u>			<u>54</u>	<u>14</u>	<u>44</u>			<u>54</u>	<u>14</u>												
Derrick	<u>F. S. S. H. K.</u>	<u>8</u>		<u>2</u>	<u>64</u>	<u>YFIA</u>	<u>3-11</u>			<u>2174</u>	<u>9</u>	<u>25-34</u>	<u>155</u>	<u>6</u>														
Floor																												
Floor	<u>M. L. F. R. I. E. R. E.</u>	<u>8</u>																										
Floor																												
Motor	<u>D. Duckworth</u>	<u>8</u>																										
Mechanic																												
Extra																												
Injuries:																												
Fire:	<u>Nil</u>																											

REMARKS		TIME		
		Start	Stop	Interval
<u>Drill to hole</u>		<u>12:00</u>	<u>12:15</u>	<u>15</u>
<u>Survey and wire log</u>		<u>12:15</u>	<u>12:45</u>	<u>30</u>
<u>Drill</u>		<u>12:45</u>	<u>1:45</u>	<u>1</u>
<u>Work on pump</u>		<u>1:45</u>	<u>2:00</u>	<u>15</u>
<u>Drill</u>		<u>2:00</u>	<u>3:15</u>	<u>1 15</u>
<u>Survey at 1030</u>		<u>3:15</u>	<u>3:30</u>	<u>15</u>
<u>Drill</u>		<u>3:30</u>	<u>3:45</u>	<u>15</u>
<u>Install new line gaskets</u>		<u>3:45</u>	<u>4:30</u>	<u>45</u>
<u>Drill</u>		<u>4:30</u>	<u>5:15</u>	<u>45</u>
<u>Survey at 1700</u>		<u>5:15</u>	<u>5:30</u>	<u>15</u>
<u>Drill</u>		<u>5:30</u>	<u>5:50</u>	<u>20</u>
Company Time				
Cont'r Time				
<u>TRIP IN</u>		<u>4:00</u>	<u>4:20</u>	<u>1 15</u>
<u>DISPLACE HOLE & RIG SET</u>		<u>4:30</u>	<u>5:00</u>	<u>30</u>
<u>DRILL</u>		<u>5:00</u>	<u>7:00</u>	<u>2</u>
<u>NOLE TIGHTEN & CAN/WORK</u>		<u>7:00</u>		
<u>PIPE</u>		<u>7:00</u>	<u>7:30</u>	<u>30</u>
<u>DRILL</u>		<u>7:30</u>	<u>10:30</u>	<u>3</u>
<u>SURVEY</u>		<u>10:30</u>	<u>11:00</u>	<u>30</u>
<u>DRILL</u>		<u>11:00</u>	<u>12:00</u>	<u>1</u>
Company Time				
Cont'r Time				

too Ring on Bit No. _____ D.P. Caliper Date _____

I.P. Test-Operated _____

Results _____

Results _____

From Pipe Rack _____

Total Contractor Time _____ Hrs.

Total Company Time _____ Hrs.

Toolpusher _____

Approved by _____

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control-Drilling" as well as HOURS.

RIG No. 35 LOCATION *Area 1974* DATE *1970*

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands	REMARKS	Start	Stop	Interval
Specify actual hours worked							No.	O.D.	I.D.	Wgt.								
Driller	<i>D. K. M. M. M.</i>	1134												9	<i>ad. and liner</i>	12:30		
Derrick	<i>L. K. M. M. M.</i>													1	<i>and want for repair</i>		8:00	
Floor	<i>P. K. M. M. M.</i>																	
Floor																		
Motor	<i>P. K. M. M. M.</i>																	
Mechanic																		
Extra																		
Injuries:	<i>NIL</i>																	
Fires:																		
Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands				
Specify actual hours worked							No.	O.D.	I.D.	Wgt.								
Driller	<i>L. L. K. M. M.</i>	1144					19	4 1/4	2 1/2	3 1/2				9	<i>Wait for repairs</i>	9:30	9:50	1 1/2
Derrick	<i>F. F. M. M.</i>													1	<i>Repair Battery Drive</i>	9:30	3:30	6
Floor	<i>A. M. M.</i>														<i>Run 4/311 No. 2</i>	3:30	4:00	1/2
Floor	<i>V. M. M.</i>																	
Motor	<i>P. K. M. M.</i>																	
Mechanic																		
Extra	<i>M. R. M. M.</i>																	
Injuries:	<i>NIL</i>																	
Fires:	<i>NIL</i>																	
Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands				
Specify actual hours worked							No.	O.D.	I.D.	Wgt.								
Driller	<i>K. ANDERSON</i>	1184	340	1524	6 3/4	4 1/2	19	4 1/4	2 1/2	3 1/2				15	<i>TRIP IN</i>	4:00	4:15	1 1/2
Derrick	<i>F. S. M. M.</i>													1	<i>RIP IN + TIGHTEN LINES</i>	4:15	4:30	1 1/4
Floor															<i>CLEAN UP TO BOTTOM</i>	4:30	4:45	1 1/4
Floor	<i>M. L. R. M. M.</i>														<i>DRILL</i>	4:45	7:45	3
Motor	<i>P. K. M. M.</i>														<i>SURVEY</i>	7:45	8:00	1 1/4
Mechanic															<i>DRILL HUNG UP</i>	8:00	10:15	2 1/4
Extra															<i>SURVEY</i>	10:15	10:30	1 1/4
Injuries:	<i>NIL</i>														<i>DRILL</i>	10:30	12:00	1 1/2
Fires:																		

Totco Ring on Bit No.

D.P. Caliper Date

Results

From Pipe Rack

Total Contractor Time

Toopusher

B.O.P. Test-Operated

Time

Results

Total Company Time

Approved by

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

RIG No. 35 LOCATION *1000 ft. P.D. well at Cape Point*

AREA *Subsidiary* DATE *Dec 15* 19 *70*

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		COAL		Stands		REMARKS											
Specify actual hours worked		Hrs.		No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
Driller	<i>N. Klumach</i>	5		334		138		573		74		7701		134		32																							
Derrick	<i>M. Muckumenshi</i>	5		1		12		25010		3-4		22567		32		150		743		17																			
Floor	<i>M. Muckumenshi</i>	5																																					
Floor																																							
Floor																																							
Motor	<i>M. Muckumenshi</i>	5																																					
Mechanic																																							
Extra																																							
Injuries:	<i>7:45 5/12/70</i>																																						
Fires:	<i>at 7:00 AM</i>																																						
Tour — 8 a.m. to 4 p.m.		Specify actual hours worked		Hrs.		From Footage To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		COAL		Stands		REMARKS															
Driller	<i>R.L. KEMMER</i>	5		573		444		1001		74		40		19		44		23		34																			
Derrick	<i>P. FRASER</i>	5		1		614		02-10		3-14		22567		32		150		743		17																			
Floor	<i>P. DEX</i>	5																																					
Floor	<i>V. MAYER</i>	5																																					
Floor																																							
Motor	<i>B. BENEFOND</i>	5																																					
Mechanic																																							
Extra	<i>M. BELLETTA</i>	5																																					
Injuries:	<i>NIL</i>																																						
Fires:	<i>NIL</i>																																						
Tour — 4 p.m. to Midnight		Specify actual hours worked		Hrs.		From Footage To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		COAL		Stands		REMARKS															
Driller	<i>K. ANDERSON</i>	5		1001		103		1154		5 1/2		40		19		44		23		34																			
Derrick	<i>P. FRASER</i>	5		1		614		02-10		3-14		22567		32		150		743		17																			
Floor	<i>M. MUCKUMENSHI</i>	5																																					
Floor																																							
Floor																																							
Motor	<i>M. MUCKUMENSHI</i>	5																																					
Mechanic																																							
Extra																																							
Injuries:	<i>NIL</i>																																						
Fires:	<i>NIL</i>																																						

Company Time		Cont'r Time	
<i>8:00</i>	<i>8:15</i>	<i>1/4</i>	
<i>8:15</i>	<i>9:30</i>	<i>1 1/4</i>	
<i>9:30</i>	<i>9:45</i>	<i>1/4</i>	
<i>9:45</i>	<i>1:00</i>	<i>3 1/4</i>	
<i>1:00</i>	<i>1:15</i>	<i>1/4</i>	
<i>1:15</i>	<i>1:30</i>	<i>1/4</i>	
<i>1:30</i>	<i>1:45</i>	<i>1/4</i>	
<i>1:45</i>	<i>2:00</i>	<i>1/4</i>	
<i>2:00</i>	<i>2:15</i>	<i>1/4</i>	
<i>2:15</i>	<i>2:30</i>	<i>1/4</i>	
<i>2:30</i>	<i>2:45</i>	<i>1/4</i>	
<i>2:45</i>	<i>3:00</i>	<i>1/4</i>	
<i>3:00</i>	<i>3:15</i>	<i>1/4</i>	
<i>3:15</i>	<i>3:30</i>	<i>1/4</i>	
<i>3:30</i>	<i>3:45</i>	<i>1/4</i>	
<i>3:45</i>	<i>4:00</i>	<i>1/4</i>	
<i>4:00</i>	<i>4:15</i>	<i>1/4</i>	
<i>4:15</i>	<i>4:30</i>	<i>1/4</i>	
<i>4:30</i>	<i>4:45</i>	<i>1/4</i>	
<i>4:45</i>	<i>5:00</i>	<i>1/4</i>	
<i>5:00</i>	<i>5:15</i>	<i>1/4</i>	
<i>5:15</i>	<i>5:30</i>	<i>1/4</i>	
<i>5:30</i>	<i>5:45</i>	<i>1/4</i>	
<i>5:45</i>	<i>6:00</i>	<i>1/4</i>	
<i>6:00</i>	<i>6:15</i>	<i>1/4</i>	
<i>6:15</i>	<i>6:30</i>	<i>1/4</i>	
<i>6:30</i>	<i>6:45</i>	<i>1/4</i>	
<i>6:45</i>	<i>7:00</i>	<i>1/4</i>	
<i>7:00</i>	<i>7:15</i>	<i>1/4</i>	
<i>7:15</i>	<i>7:30</i>	<i>1/4</i>	
<i>7:30</i>	<i>7:45</i>	<i>1/4</i>	
<i>7:45</i>	<i>8:00</i>	<i>1/4</i>	
<i>8:00</i>	<i>8:15</i>	<i>1/4</i>	
<i>8:15</i>	<i>8:30</i>	<i>1/4</i>	
<i>8:30</i>	<i>8:45</i>	<i>1/4</i>	
<i>8:45</i>	<i>9:00</i>	<i>1/4</i>	
<i>9:00</i>	<i>9:15</i>	<i>1/4</i>	
<i>9:15</i>	<i>9:30</i>	<i>1/4</i>	
<i>9:30</i>	<i>9:45</i>	<i>1/4</i>	
<i>9:45</i>	<i>10:00</i>	<i>1/4</i>	
<i>10:00</i>	<i>10:15</i>	<i>1/4</i>	
<i>10:15</i>	<i>10:30</i>	<i>1/4</i>	
<i>10:30</i>	<i>10:45</i>	<i>1/4</i>	
<i>10:45</i>	<i>11:00</i>	<i>1/4</i>	
<i>11:00</i>	<i>11:15</i>	<i>1/4</i>	
<i>11:15</i>	<i>11:30</i>	<i>1/4</i>	
<i>11:30</i>	<i>11:45</i>	<i>1/4</i>	
<i>11:45</i>	<i>12:00</i>	<i>1/4</i>	
<i>12:00</i>	<i>12:15</i>	<i>1/4</i>	
<i>12:15</i>	<i>12:30</i>	<i>1/4</i>	
<i>12:30</i>	<i>12:45</i>	<i>1/4</i>	
<i>12:45</i>	<i>1:00</i>	<i>1/4</i>	
<i>1:00</i>	<i>1:15</i>	<i>1/4</i>	
<i>1:15</i>	<i>1:30</i>	<i>1/4</i>	
<i>1:30</i>	<i>1:45</i>	<i>1/4</i>	
<i>1:45</i>	<i>2:00</i>	<i>1/4</i>	
<i>2:00</i>	<i>2:15</i>	<i>1/4</i>	
<i>2:15</i>	<i>2:30</i>	<i>1/4</i>	
<i>2:30</i>	<i>2:45</i>	<i>1/4</i>	
<i>2:45</i>	<i>3:00</i>	<i>1/4</i>	
<i>3:00</i>	<i>3:15</i>	<i>1/4</i>	
<i>3:15</i>	<i>3:30</i>	<i>1/4</i>	
<i>3:30</i>	<i>3:45</i>	<i>1/4</i>	
<i>3:45</i>	<i>4:00</i>	<i>1/4</i>	
<i>4:00</i>	<i>4:15</i>	<i>1/4</i>	
<i>4:15</i>	<i>4:30</i>	<i>1/4</i>	
<i>4:30</i>	<i>4:45</i>	<i>1/4</i>	
<i>4:45</i>	<i>5:00</i>	<i>1/4</i>	
<i>5:00</i>	<i>5:15</i>	<i>1/4</i>	
<i>5:15</i>	<i>5:30</i>	<i>1/4</i>	
<i>5:30</i>	<i>5:45</i>	<i>1/4</i>	
<i>5:45</i>	<i>6:00</i>	<i>1/4</i>	
<i>6:00</i>	<i>6:15</i>	<i>1/4</i>	
<i>6:15</i>	<i>6:30</i>	<i>1/4</i>	
<i>6:30</i>	<i>6:45</i>	<i>1/4</i>	
<i>6:45</i>	<i>7:00</i>	<i>1/4</i>	
<i>7:00</i>	<i>7:15</i>	<i>1/4</i>	
<i>7:15</i>	<i>7:30</i>	<i>1/4</i>	
<i>7:30</i>	<i>7:45</i>	<i>1/4</i>	
<i>7:45</i>	<i>8:00</i>	<i>1/4</i>	
<i>8:00</i>	<i>8:15</i>	<i>1/4</i>	
<i>8:15</i>	<i>8:30</i>	<i>1/4</i>	
<i>8:30</i>	<i>8:45</i>	<i>1/4</i>	
<i>8:45</i>	<i>9:00</i>	<i>1/4</i>	
<i>9:00</i>	<i>9:15</i>	<i>1/4</i>	
<i>9:15</i>	<i>9:30</i>	<i>1/4</i>	
<i>9:30</i>	<i>9:45</i>	<i>1/4</i>	
<i>9:45</i>	<i>10:00</i>	<i>1/4</i>	
<i>10:00</i>	<i>10:15</i>	<i>1/4</i>	
<i>10:15</i>	<i>10:30</i>	<i>1/4</i>	
<i>10:30</i>	<i>10:45</i>	<i>1/4</i>	
<i>10:45</i>	<i>11:00</i>	<i>1/4</i>	
<i>11:00</i>	<i>11:15</i>	<i>1/4</i>	
<i>11:15</i>	<i>11:30</i>	<i>1/4</i>	
<i>11:30</i>	<i>11:45</i>	<i>1/4</i>	
<i>11:45</i>	<i>12:00</i>	<i>1/4</i>	
<i>12:00</i>	<i>12:15</i>	<i>1/4</i>	
<i>12:15</i>	<i>12:30</i>	<i>1/4</i>	
<i>12:30</i>	<i>12:45</i>	<i>1/4</i>	
<i>12:45</i>	<i>1:00</i>	<i>1/4</i>	
<i>1:00</i>	<i>1:15</i>	<i>1/4</i>	
<i>1:15</i>	<i>1:30</i>	<i>1/4</i>	
<i>1:30</i>	<i>1:45</i>	<i>1/4</i>	
<i>1:45</i>	<i>2:00</i>	<i>1/4</i>	
<i>2:00</i>	<i>2:15</i>	<i>1/4</i>	
<i>2:15</i>	<i>2:30</i>	<i>1/4</i>	
<i>2:30</i>	<i>2:45</i>	<i>1/4</i>	
<i>2:45</i>	<i>3:00</i>	<i>1/4</i>	

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 35 LOCATION Permian G.P.D. West of E. R. Lake AREA Robert Lake DATE Dec 14 19 71

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.				
Driller	<u>N. Klimach</u>													
Derrick	<u>W. Krumholz</u>													
Floor	<u>M. Muehmenst</u>													
Floor														
Floor														
Motor	<u>Muehmenst</u>													
Mechanic														
Extra														
Injuries:														
Fires:														
Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.				
Driller	<u>C. L. Krumholz</u>													
Derrick	<u>E. F. F. F.</u>													
Floor	<u>A. F. F.</u>													
Floor	<u>M. Krumholz</u>													
Floor														
Motor	<u>B. B. B.</u>													
Mechanic														
Extra	<u>V. Meyer</u>													
Injuries:	<u>W. W.</u>													
Fires:														
Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.				
Driller	<u>K. A. A.</u>													
Derrick	<u>F. F. F.</u>													
Floor														
Floor	<u>M. L. L.</u>													
Floor														
Motor	<u>P. P. P.</u>													
Mechanic														
Extra														
Injuries:	<u>W. W.</u>													
Fires:														

REMARKS		Start	Stop	Interval
Pull out to 1000' C.P.		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
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Guide Sides Baseplate				
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Run up to 1000' C.P.		11:45	12:00	15
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Company Time				
Cont'r Time				
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Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire		12:15	12:30	15
Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
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Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
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Connect & Pump Plug		12:30	12:45	15
W.C.C.		12:45	1:00	15
Guide Sides Baseplate				
Control Drilling				
Company Time				
Cont'r Time				
11:15		11:15	11:45	30
Run up to 1000' C.P.		11:45	12:00	15
Run 7' C.P.		12:00	12:15	15
Fire				

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Totco Ring on Bit No. _____		D.P. Calipered Date _____		Results _____		From Pipe Rack _____		Total Contractor Time _____ Hrs.		Toolpusher _____	
B.O.P. Test-Operated _____		Time _____		Results _____				Total Company Time _____ Hrs.		Approved by _____	

KENTING OILWELL DRILLING

DIVISION OF KENTING EXPLORATION SERVICES LTD.

DAILY DRILLING REPORT

RIG No. 35 LOCATION HOA RIVER C.P.D. NELETA RABBIT LAKE AREA SABOT LAKE DATE DEC 11 19 78

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 3 a.m.		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FUEL		WATER		COAL		REMARKS		Time	
Specify actual hours worked																												
Driller	Hrs.																											
Driller <u>D. I. GACK</u>	<u>5</u>																											
Derrick <u>W. NEERBERG</u>	<u>5</u>																											
Floor <u>M. MEHNER</u>	<u>5</u>																											
Floor																												
Floor																												
Motor <u>M. MEHNER</u>	<u>5</u>																											
Mechanic																												
Extra																												
Injuries:																												
Fires:																												
Tour — 3 a.m. to 4 p.m.		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FUEL		WATER		COAL		REMARKS		Time	
Specify actual hours worked																												
Driller <u>E. L. GACK</u>	<u>5</u>																											
Derrick <u>E. FRISCH</u>	<u>5</u>																											
Floor <u>A. A. GACK</u>	<u>5</u>																											
Floor																												
Floor																												
Motor <u>B. B. GACK</u>	<u>5</u>																											
Mechanic																												
Extra																												
Injuries:																												
Fires:																												
Tour — 4 p.m. to Midnight		From Footage To										Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FUEL		WATER		COAL		REMARKS		Time	
Specify actual hours worked																												
Driller <u>A. ANDERSON</u>	<u>5</u>																											
Derrick <u>E. S. GACK</u>	<u>5</u>																											
Floor <u>L. MEYER</u>	<u>5</u>																											
Floor																												
Floor																												
Motor <u>D. D. MEYER</u>	<u>5</u>																											
Mechanic																												
Extra																												
Injuries:																												
Fires:																												

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____

Total Company Time _____ Hrs. Approved by _____