Richfield et al Pt.

Separation No. 1

Drilling Authority No. .....
Date Issued .....

WELL NAME Richfield et al Pt. Separation No. 1
FIELD Wildcat Area: Fort McPherson
LOCATION: Unit ..... Section ..... Grid .....
Latitude 67°34'06" N. Longitude 134°00'10" W.
From Established Reference Marker .....
.....

Rig Release Date: 16-10-60
Status D. & A.
Information Release Date 16-10-62

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	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.
	Approval to Commingle Production before Measurement.
	Application to Amend Approval No. ..... to Commingle Production before Measurement.
	Application for M.P.R.—Oil.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Field Abandonment Programme and Approval.
	Well Card.
	Well Visit.
	Daily Drilling Reports.

Pt Separation Well Report.

THIS IS EXHIBIT "C" ATTACHED TO AND MADE A PART OF STATUTORY DECLARATION DATED THE 26th DAY OF JULY, A. D. 1961.

Jordan Lawden

Summary of Drilling Operations conducted by Peter Lawden Drilling Ltd. in drilling the Roc et al Point Separation # 1 well from July 31st, 1960 to October 18th, 1960.

The daily progress of the Point Separation # 1 well is as follows:

July 31st, 1960	Spudded 3:00 p.m.
August 1st, 1960	No Report.
August 2nd, 1960	No Report.
August 3rd, 1960	No Report.
August 4th, 1960	Depth 975 feet - drilling.
August 5th, 1960	Depth 1,010 feet - Opening hole to 17½ inches.
August 6th, 1960	Depth 1,010 feet - Opening hole to 17½ inches.
August 7th, 1960	Depth 1,010 feet - Opening hole to 17½ inches.
August 8th, 1960	Depth 1,010 feet - Opening hole to 17½ inches.
August 9th, 1960	Depth 1,010 feet - Conditioning hole.
August 10th, 1960	Depth 1,010 feet - Cementing casing.
August 11th, 1960	No report.
August 12th, 1960	Depth 1,010 feet - Standing cemented.
August 13th, 1960	Depth 1,203 feet - Drilling.
August 14th, 1960	Depth 1,597 feet - Drilling.
August 15th, 1960	Depth 1,950 feet - Drilling.
August 16th, 1960	No report.
August 17th, 1960	No report.
August 18th, 1960	Depth 2,534 feet - Drilling.

August 19th, 1960	Depth 3,000 feet - Drilling.
August 20th, 1960	Depth 3,261 feet - Drilling.
August 21st, 1960	Depth 3,443 feet - Drilling.
August 22nd, 1960	Depth 3,594 feet - Drilling.
August 23rd, 1960	Depth 3,755 feet - Drilling.
August 24th, 1960	Depth 3,930 feet - Drilling.
August 25th, 1960	Depth 4,080 feet - Drilling.
August 26th, 1960	Depth 4,227 feet - Drilling.
August 27th, 1960	Depth 4,358 feet - Drilling.
August 28th, 1960	Depth 4,496 feet - Drilling.
August 29th, 1960	Depth 4,633 feet - Drilling.
August 30th, 1960	No report.
August 31st, 1960	Depth 4,933 feet - Drilling.
September 1st, 1960	Depth 5,088 feet - Drilling.
September 2nd, 1960	Depth 5,168 feet - Preparing to core.
September 3rd, 1960	Coring.
September 4th, 1960	Coring.
September 5th, 1960	Depth 5,340 feet - Drilling.
September 6th, 1960	No report.
September 7th, 1960	Depth 5,477 feet - Drilling.
September 8th, 1960	Depth 5,615 feet - Drilling.
September 9th, 1960	Depth 5,707 feet - Drilling.
September 10th, 1960	Depth 5,866 feet - Pulling to log.
September 11th, 1960	Depth 5,892 feet - Logging.
September 12th, 1960	No report.
September 13th, 1960	Depth 6,088 feet - Drilling.
September 14th, 1960	Depth 6,122 feet - Drilling.
September 15th, 1960	No report.

September 16th, 1960	Depth 6,315 feet - Drilling.
September 17th, 1960	No report.
September 18th, 1960	No report.
September 19th, 1960	No report.
September 20th, 1960	Depth 6,667 feet - Coring.
September 21st, 1960	Depth 6,687 feet - Testing.
September 22nd, 1960	Depth 6,687 feet - D.S.T. # 1 - 6680 feet to 6717 feet - Recovered 290 feet salt water.
September 23rd, 1960	Depth 6,882 feet - Drilling.
September 24th, 1960	Depth 6,994 feet - Drilling.
September 25th, 1960	No report.
September 26th, 1960	Depth 7,161 feet - Drilling.
September 27th, 1960	Depth 7,199 feet - Drilling.
September 28th, 1960	Depth 7,247 feet - Coring.
September 29th, 1960	No report.
September 30th, 1960	Depth 7,287 feet - Drilling.
October 1st, 1960	Depth 7,455 feet - Drilling.
October 2nd, 1960	No report.
October 3rd, 1960	No report.
October 4th, 1960	Depth 7,565 feet - Drilling.
October 5th, 1960	No report.
October 6th, 1960	No report.
October 7th, 1960	Depth 7,747 feet - Drilling.
October 8th, 1960	No report.
October 9th, 1960	No report.
October 10th, 1960	Depth 7,993 feet - Coring.
October 11th, 1960	Depth 8,000 feet - Lost circulation.
October 12th, 1960	Depth 8,000 feet - Logging.

October 13th, 1960	Depth 8,000 feet - Ran E-log.
October 14th, 1960	No report.
October 15th, 1960	No report.
October 16th, 1960	No report.
October 17th, 1960	Depth 8,023 feet - Cut core # 10.
October 18th, 1960	Total Depth 8,023 feet. Well plugged and abandoned.

CGL-6

CHEMICAL & GEOLOGICAL LABORATORIES LTD. # 83A

Edmonton — Fort St. John — Calgary

WATER ANALYSIS REPORT

Field Pt. Separation, Northwest Territories. Well No. R.O.C. et al Point Separation #1

Operator Richfield Oil Corporation Date Received October 19, 1960

Formation Middle Devonian Depths 6680' - 6713'

Other pertinent data D.S.T. #1. Sample taken from bottom, recovered 290 feet S.W.C.M.

Date October 25, 1960 Lab. No. C 3337

PARTS PER MILLION (MILLIGRAMS PER LITER)

Na & K	Ca	Mg	Fe	SO_4	Cl	CO_3	HCO_3	OH	H_2S
31,876	6,551	1,188	Present	25	64,000		355		

MILLIGRAM EQUIVALENTS

1386.60	326.89	97.65		0.52	1804.80		5.82		

MILLIGRAM EQUIVALENTS IN PERCENT

38.28	9.02	2.70		0.01	49.83		0.16		

Total Solids in Parts per Million

By evaporation 116,470

After ignition 100,200

Calculated 103,815

Specific Gravity 1.086

Observed pH 6.6

Resistivity 0.086 ohm meters @ 68° F.

Properties of Reaction in Percent

Primary salinity 76.56

Secondary salinity 23.12

Primary alkalinity ---

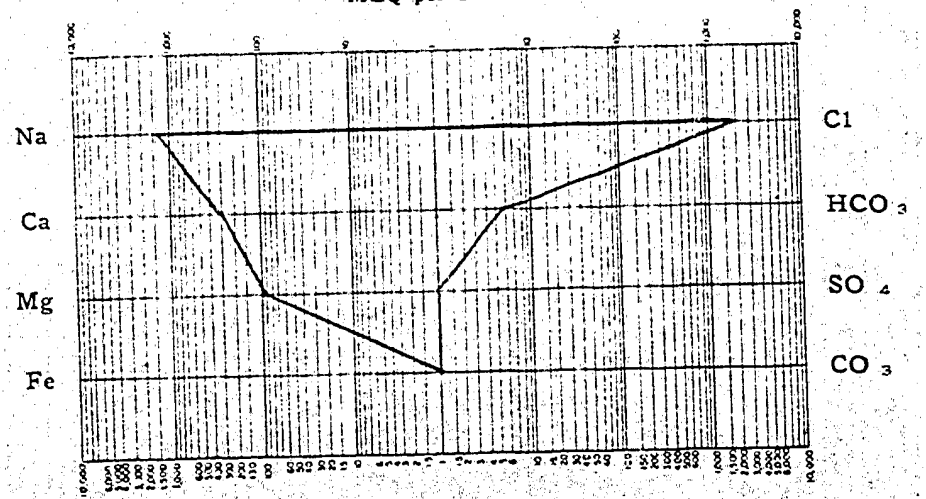
Secondary alkalinity 0.32

Chloride salinity 99.98

Sulfate salinity 0.02

Remarks and conclusions

LOGARITHMIC PATTERN
MEQ per unit



FORM "B"

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

For the period from 14th October, 1960

to 16th October, 1960

REPORT of ~~COMPLETION~~ ~~REWORK~~ ~~RECOMPLETION~~ SUSPENSION ABANDONMENT of a Well

Permit No. 1522

Name of well R O Corp et al Pt. Separation #1 Lease No. ....

Registered owner Richfield Oil Corporation Drilling Company Bawden Drilling

Location 67° 34' 6" N. Lat. 134° - 00' - 10" W. Long.

Survey description, if available .....

Elevation: Ground 50' Last previous depth 8023'

Kelly bushing 62' Present depth 8023'

Spudded 31st July, 1960 Finished drilling 14th October, 1960 Rig Released 16th October, 1960

Deviations from vertical Maximum inclination 3½° @ 7091'

.....

CASING RECORD

	Date	Size O.D.	Weight lbs/ft	Grade	Set at feet	Sacks Cement	Top of Cement
1	9/8/60	13 3/8"	54.50	~~H-40~~ J55	998'	900	Surface
2							
3							
4							

TUBING RECORD

Size	Wt.Lbs/foot	Grade	Amount	Landed Depth	Remarks

Wellhead .....(Manufacturer).... (Size)....(Series)

Status of well on completion of drilling Abandoned as a dry hole

Producing Zone ..... and formation .....
Injection
Cord intervals 5168-5191; 5270-5300; 5707-5737; 6101-6122; 6540-6560; 6837-6855; 7235-7260; 7659-7679; 7980-7993; 8000-8023

Interval logged: E-log 1002-8000 Other logs .....
R-log 40-7987 Accoustic Velocity 998-8000
Contact - M-log 1002-7981 Guerd Log 5000-7982
Velocity log 998-8000

The above logs (are) (~~will be~~) submitted in accordance with Section 65 of the Regulations.

DRILL STEM TESTS

Test No.	Date	Interval Tested	Duration	Results
1	20th Sept./60	6713-6680	VO 45 min.	Recovered 290' salt water cut mud
			ISI 30 min.	
			FSI 50 min.	F.P. 64 - 166
				FSIP 2611
				H.P. 3714

(If space insufficient, attach further sheet)

(Strike out the non-applicable) (~~Completion~~) (~~Rework~~) (~~Recompletion~~)

Perforations Bullet .....

Shootings .....

Hydraulic fracturing .....

Chemical treatment .....

Date initial production tests .....

Initial production data .....

Pumping or flowing . . . . . .

Plug back . . . . . .

Other . . . . . .

. . . . . .

. . . . . .

. . . . . .

. . . . . .

CEMENT PLUGS SET

Date	Plug set at	Sacks cement	Method	Top found at
14th Oct./60.	8023-7900	60	Displacement	7891
15th Oct./60	6850-6600	120	Displacement	6582
15th Oct./60	1048- 948	100	Displacement	945
16th Oct./60	-	Ten sacks plugged at surface		
		Placed steel cap on top of surface casing		

Washed well samples have been sent to Geological Survey of Canada, Calgary

Cores will be stored at 239 6th Avenue W., Calgary, Alberta

Core analysis (~~was made~~)of the Intervals No analyses made
(~~to be made~~)

Oil analysis (was made) of the Intervals.
(to be made)

Gas analysis (was made) of the Intervals.
(to be made)

Water analysis (was made) of the Intervals. 6713-6680
(~~to be made~~)

The above analyses (~~are~~)
(will be) submitted in accordance with Section 70(2) of the Regulations.

ADDITIONAL DETAILS AND COMMENTS

. . . . . .

. . . . . .

. . . . . .

. . . . . .

. . . . . .

Signed. R. L. Reeves Address 320 7th Avenue W., Calgary, Alberta

Date 31st October, 1960

(To be submitted in triplicate in accordance with Sections 68, 69, 70 and 71, of the Territorial Oil and Gas Regulations to the Oil Conservation Engineer at Calgary, Alberta.)

FORM "C"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

ABANDON

NOTICE OF INTENTION TO or a Well

~~SUSPEND DRILLING~~

(Strike out operation which does not apply)

In accordance with Sections 67(1) of the ~~Territorial~~ Canada Oil and Gas Regulations, notice is hereby given of our intention to

Abandon . . . . . the well named R.O.Corp et.al Pt. Separation #1 on Oil and Gas

Permit No. 1522 . .

Lease No. . . . .

Registered in the name of Richfield et.al . . . . . .

Ground surface . . . . 50 . . ft.

Depth 8023. . .feet. Elevation above sea level:

Kelly bushing . . . . 62 . . ft.

Location . 67° . - 34' . - 6" . . . . . N. Lat. 134° . - 00' . - 10" . . . . . W. Long.

Approx. 4.63 . . . . (N.of S. boundary) (Permit No. . 1522 . . . . . .)
(~~S~~ boundary) of (Lease No. . . . . .)

Approx. . .07. . . . (W.of E. boundary) of (Permit No. . 1522 . . . . . .)
(~~E~~ boundary) (Lease No. . . . . .)

Survey description, if available . . . . . .

CASING RECORD

Size O.D. inches	Weight lbs/ft	Grade	Amount feet	Set at feet	Sacks cement	Method	to be withdrawn
1 13.3/8.	54.50 .	~~H-40~~ J55	. .983. .	.998. .	900 .	Displacement	. . No. . .
2	. . . .	. . . . .	. . . .	. . . .	. . .		. . . . .
3	. . . .	. . . . .		. . . . .	. . . . .		. . . . .
4. . . .	. . . .	. . . . .		. . . . .	. . . . .		. . . . .

OIL, GAS AND WATER

Oil from . . . . .feet to . . . . .feet From . . . . .feet to . . . .feet with . . . . . .sacks cement

Oil from . . . . .feet to . . . . .feet From . . . .feet to . . . . feet with . . . . . sacks cement

Gas from . . . . feet to . . . .feet From . . . feet to . . . .feet with . . . . sacks of cement.

Gas from . . . .feet to . . . feet From . . . feet to . . . .feet with . . . . sacks of cement.

Water from 6713 .feet to 6680 .feet From . . . .feet to . . . .feet with 120 sacks sacks cement.

Water from . . . .feet to . . . feet From . . . .feet to . . . .feet with . . . . sacks cement.

Surface and bottom plugs:

1. from 8023 .feet to 7900 .feet with 60 .sacks cement.
2. from 6850 .feet to 6600 .feet with 120 .sacks cement.
3. from 1048 .feet to 948 .feet with 100 .sacks cement.

Date of last operation 16th October, 1960 .Total depth 8023'

Nature of liquid left in well Drilling mud Level from surface surface
on suspension or abandonment

The following logs ~~were~~ have been run E Log - Guard Log

Contact Caliper Log, R.A. Log - Acoustic Log

Produced from . . . . zone and . . . .
on abandonment of a well which has been on production.

Present condition of well in addition to above Plugged and abandoned

On abandonment or suspension of drilling we shall comply with Sections 68, 69 and 70 of the Regulations.

Program of operation not included above . . . .

Responsible agents of permittee or lessee in charge of operation:

At well . J. R. Brown . . . . Postal address . . . .

At registered office . R. R. Ritter . . .Postal address . 320 7th Avenue W. Calgary, Alt

It is understood that if changes in this Notice of Intention become necessary we will promptly notify you.

dated at Calgary, Alberta this . . 31st . . day of . October . . . . .19.60 . .

Signed by . R. R. Ritter . . . . .

This program is approved subject to the following provisions

CONFIRMING ORAL APPROVAL OF ABANDONMENT 12 October 1960.

2 Nov. 1960.
Date

Oil Conservation Engineer

(To be submitted in triplicate to the Oil Conservation Engineer at Calgary, Alberta.)

DEPT. OF NORTHERN AFFAIRS & NATIONAL RESOURCES
CALGARY, ALBERTA
AUG 4 1960
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

RICHFIELD OIL CORPORATION

Canadian Division

GEOLOGICAL WELL PROGRAM

July 21, 1960.

Name of well: R O CORP ET AL POINT SEPARATION NO.1

Location: 67°34'6" North Lat.
134°00'10" West Long.
Northwest Territories, Canada.

Elevation: 50 feet, estimated ground.

Objective: Stratigraphic test which will evaluate all potential reservoir rocks to an estimated total depth between 6500 and 8000 feet.

GEOLOGICAL MARKERS

Formation	Depth	Subsea	Thickness
Imperial-Ft. Creek	surface	+ 50	1000'+
Ramparts	1000	-950	1000'+
Lone Mtn.(Bear Rock)	2000	-1950	1000'+
Ordovician-Silurian	3000	-2950	1500'+
Cambrian	4500	-4450	2000'+
Pre Cambrian	6500	-6450	

1. Casing Program

   a. Surface String: drill adequate size hole to accommodate 1000 feet of 13 3/8 inch surface casing.

   b. Production String: to be determined.

2. Hole Size

   Drill 9 inch hole and core 6 1/8 inch hole to total depth as directed.

3. Samples

   Three sets of samples taken at 10 foot intervals from surface to total depth will be required for distribution as follows:

   1. Richfield Oil Corp. (1 set in bottles and 1 set cloth bags)
   2. French Petroleum Co. (washed and dried in paper bags)
   3. Hudson's Bay Oil and Gas Co. Ltd. (washed and dried in paper bags)
   4. Dept. of Northern Affairs (cloth bags)
   5. Stratigraphic Service (cloth bags)

   Samples should be taken while reaming cored intervals.

4. Drilling Time

A geolograph will be supplied by the contractor and one foot drilling time will be kept from under surface casing to total depth.

5. Coring Program

Cores will be cut after major lithologic changes; when significant porosity is noticed and subsequent tests are positive, coring will be continued until porous zone is evaluated.

Cores will be cut for fossil and stratigraphic information at intervals of approximately 400 feet. In addition, cores will be cut at the top of the Ramparts, Bear Rock (Lone Mountain), Ordovician-Silurian and Cambrian. A final core will be cut at total depth.

The length of cores cut will be at the discretion of the wellsite geologist. When coring for stratigraphic information, the maximum length of core obtainable should be cut that is consistent with geological and drilling conditions.

6. Testing

All zones with indicated porosity should be drillstem tested. Tested interval should not be less than 20 feet.

7. Well Surveys

The following logs will be run:

(a) induction electric log
(b) contact-caliper log
(c) guard log
(d) gamma ray-neutron log

If possible, electric log should be run before surface casing is set.

A complete set of logs will be run after 200 feet of penetration in the Bear Rock and again at total depth.

Intermediate runs will be made as required.

A velocity survey will be run at total depth.

The following log copies will be required by the Calgary Office for distribution:

a. Field prints - 15 blue-line copies of each log
b. Final prints - 15 blue-line copies of each log and all original films of logs.

8. Abandonment

No abandonment plugs will be run without the consent of Richfield Oil Corporation and partners, and the Oil and Gas Conservation Engineer of the Department of Northern Affairs.

H.T. HORNFORD.

FORM "A"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

or

~~TO COMMENCE DRILLING OPERATIONS~~

In accordance with Section 57 (1) of the ~~Territorial~~ Canada Oil and Gas Regulations, notice is hereby given of our intention to begin drilling a well on Oil and Gas Permit No. 1522 registered in the name of Lease No. .....

Richfield etal

TYPE OF WELL:

Wildcat R O Corp etal Pt. Separation #1

Development .....

Expected total depth 8000' feet, in the Cambrian formation of Cambrian age.

The well will be located at 67°, 34' 6" N. Lat. 134°, 00'-10" W.Long.

approx. 4.63 miles (N. of S. boundary) (~~S. of N. boundary~~) of (Permit No. 1522) (Lease No. .....)

approx. .07 miles (W. of E. boundary) (~~E. of W. boundary~~) of (Permit No. 1522) (Lease No. .....)

Survey description of Location, if known 67°, 34' 6" North Lat.

134°, 90' 10" West Long. N.W.T.

Approximate surface elevation of 50' feet above sea level.

Name of well R O Corp etal Pt. Separation

Type of drilling rig Oilwell 64B Rotary

Expected date of commencement 1st August, 1960

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

	Size O.D. Inches	Weight lbs/ft	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1.	13 3/8	54.5	J-55	Seamless	New	1000	850
2.							
3.							

.. 2

Expected depth of water, gas and oil horizons and method of control:

Imperial, Fort Creek, Ramparts, Lone Mountain, Ordovician, Cambrian,
By use of adequate surface casing and Blowout Prevention Equipment
and by over balance of mud column.

An electric log will be run Other logs will be run

STRUCTURE TEST PROGRAM

Proposed number of holes . . . . . Maximum well depth . . . . . .
enclosed within an area bounded by

. . . . . .N. Latitudes

. . . . . .W. Longitudes

An electric log will / will not be run Other logs will / will not be run

Name and address of drilling contractor . Peter Bawden Drilling . . . . . .
640-7th Avenue S.W. . . . . .
Calgary, Alberta . . . . . .

Responsible agents of permittee or lessee in charge of operation:

At well . J. R. Brown . . . . . Postal address Inuvik, N.W.T. . . . . .

At registered office . . . R. R. Ritter . . . . Postal address 320 7th Avenue S.W., Calgary . . . . . .

It is understood that if changes in this Notice of Intention become necessary we will promptly notify you.

Dated at Calgary this 20th day of July 19 60

Signed by M. R. Ritter

This program is approved subject to the following provisions (if any):
Because of the delays which will be caused by the remoteness of your operation in furnishing the daily drilling reports each week to my office, oral or if preferred, written reports on the progress of the well are to be sent, based on the daily reports you receive by radio. . . . . .

21th July, 1960 . . . .
Date

B. H. Thomas . . . .
Oil Conservation Engineer.

(To be submitted in triplicate to the Oil Conservation Engineer at least 15 days prior to the commencement of drilling)

CANADA

File No.....
Drilling Authority No. NA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: Inuvik Date: 10th July 1971

TO: The Oil Conservation Engineer:

RE: R.O. Corp. et al Pt. Separation No. 1 (69) 67-40-134-00

Location: 67° 34' 06"N., 134° 00' 10" W. Status: D & A 1960

This location was inspected by the undersigned on 10th July 1971 T.D. 8023'

The location is in satisfactory/unsatisfactory condition.

The following items require attention:

1. General clean-up and burial of junk.
2. Provide identifier with plate 2' x 3' welded or bolted to min. 2" diameter pipe a
3. minimum of 4' above G.L.
4. Paint identifier pipe and plate fluorescent orange.
5.
6.

Other comments and recommendations: (Include Map, if necessary for clarity)

Junk all over
Could not find actual well. No marker visible.
Location pretty well grown over.
Location immediately adjacent to Mackenzie River.

Inspected by M. D. Thomas

M. D. Thomas
District 2

Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer.
IAND 52-90-14 (9-69)

JOHNSTON TESTERS LTD.

321 - 50th AVENUE S.E., CALGARY, ALBERTA

PHONE AL 5-1151

GEOLOGICAL & EVALUATION
RESOURCES DIVISION
JAN 12 1961
Dept. of Northern Affairs & National Resources
OTTAWA, CANADA

FORMATION AND CASING TESTING
JOHNSTON

SERVICE REPORT

Pressure Recorder: No. 867	Cap. 3000#	Location 6713'		
PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	Over capacity				
B Initial Shut-In	false				
C Initial Flow	92#				
D Final Flow	181#				
E Final Shut-In	2824#				
F Final Hyd.	Over capacity				
Remarks:					

SECONDARY RECORDER

Pressure Recorder: No. 651	Cap. 5000#	Location 6704.50'		
PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	3702#				
B Initial Shut-In	false				
C Initial Flow	64#				
D Final Flow	166#				
E Final Shut-In	2811#				
F Final Hyd.	3714#				
Remarks:					

PRIMARY RECORDER

JOHNSTON TESTERS LTD.

321 - 50th Avenue S.E. Calgary, Alberta

Phone AL 5-1151

COMPANY Richfield Oil Corporation TICKET # B-2491

FIELD Wildcat P.O. #

WELL NAME Richfield et al Pt. Seperation #1

COMPANY REP. J.Brown (Richfield) OP. A.Covey

GENERAL TEST DATA

TYPE TEST	Open hole			BOTTOM HOLE TEMP.	148°F
TOTAL DEPTH	6713'			CHOKE SIZE	1/2"
INTERVAL TESTED	6680'-6713'			FLUID CUSHION TYPE	AMT
TIME STARTED IN HOLE		A.M.	P.M.	AIR CHAMBER SIZE I.D.	AMT
TIME TOOL ON BOTTOM		A.M.	P.M.	WAS TOOL CHASED TO BOTTOM	no
TIME TOOL OPENED	9:52	A.M.	P.M.	DID PACKERS HOLD	yes
INITIAL SHUT-IN PERIOD	30 mins.			WAS TOOL PLUGGED	no
FLOW PERIOD	45 mins.			WAS JARRING NECESSARY	no
FINAL SHUT-IN PERIOD	45 mins.			WAS TEST REVERSED OUT	no

REMARKS Calculated hydrostatic pressure 3735# initial shut in unsuccessful ,----Test satisfactory.

AIR OR GAS BLOW Fair initial puff steady blow throughout flow period.

FLUID RECOVERY. 290 feet of salt water cut mud.

SURFACE INFORMATION WHEN CHOKE OR ORIFICE USED

TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE

OTHER TEST DATA

MAIN HOLE SIZE	9"	RAT HOLE SIZE				DRILL PIPE SIZE	4 1/2"
TYPE MUD	WEIGHT	10.7	VISCOSITY		WATER LOSS	FILTER CAKE	
TYPE PACKER'S	SIZE		TYPE			SIZE	

RECORDERS:

TOP NO.	651	CAPACITY	5000#	INSIDE ☐	OUTSIDE ☐	DEPTH	6704.50'
BOTTOM	867	CAPACITY	3000#	INSIDE ☐	OUTSIDE ☐	DEPTH	6713'
EXTRA		CAPACITY		INSIDE ☐	OUTSIDE ☐	DEPTH	

NO. SERVICE REPORTS 4 - Richfield Oil Corporation Calgary
1 - Data Center Calgary

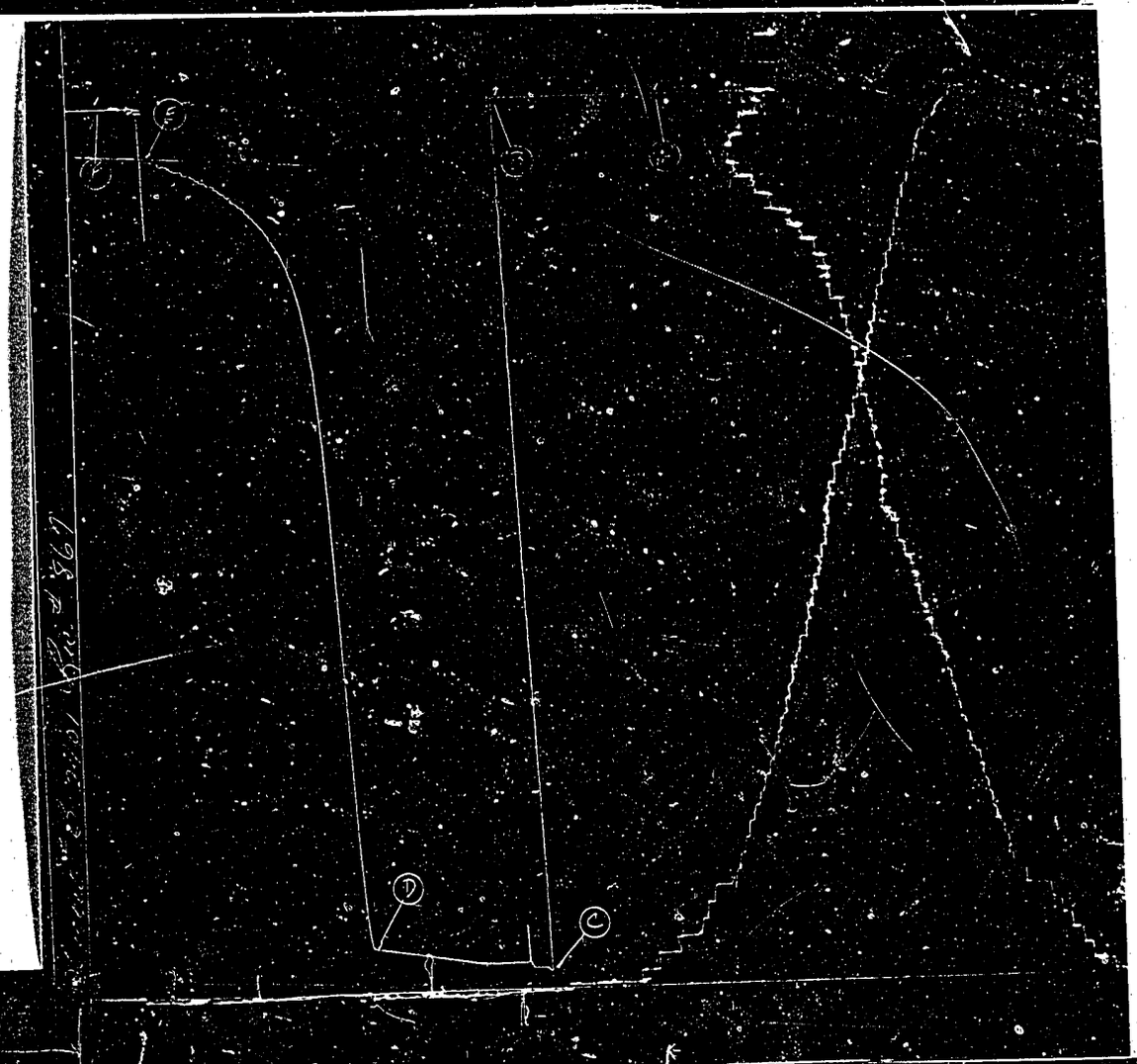
RICHFIELD OIL CORPORATION
COMPANY

RICHFIELD et al PT. SEPARATION #1
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1
TEST NO.

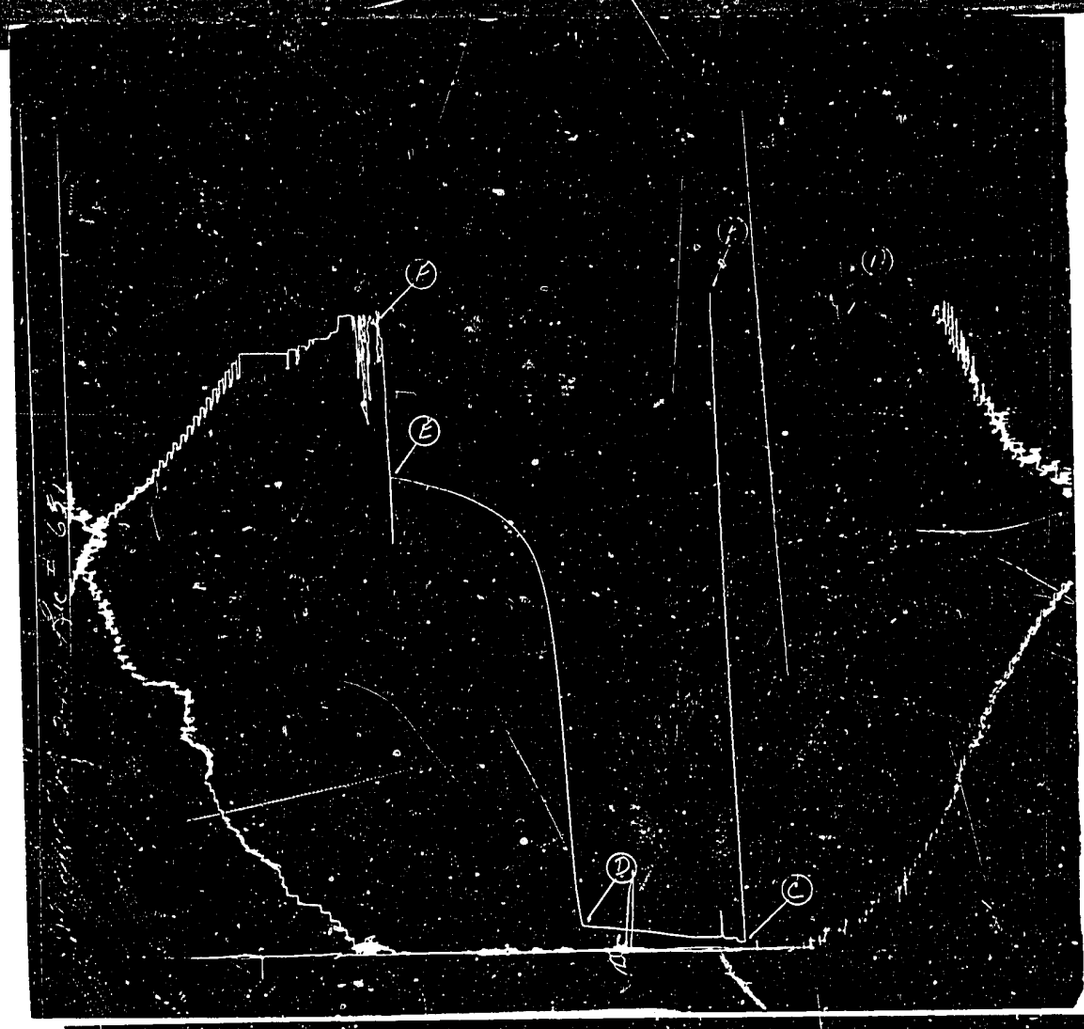
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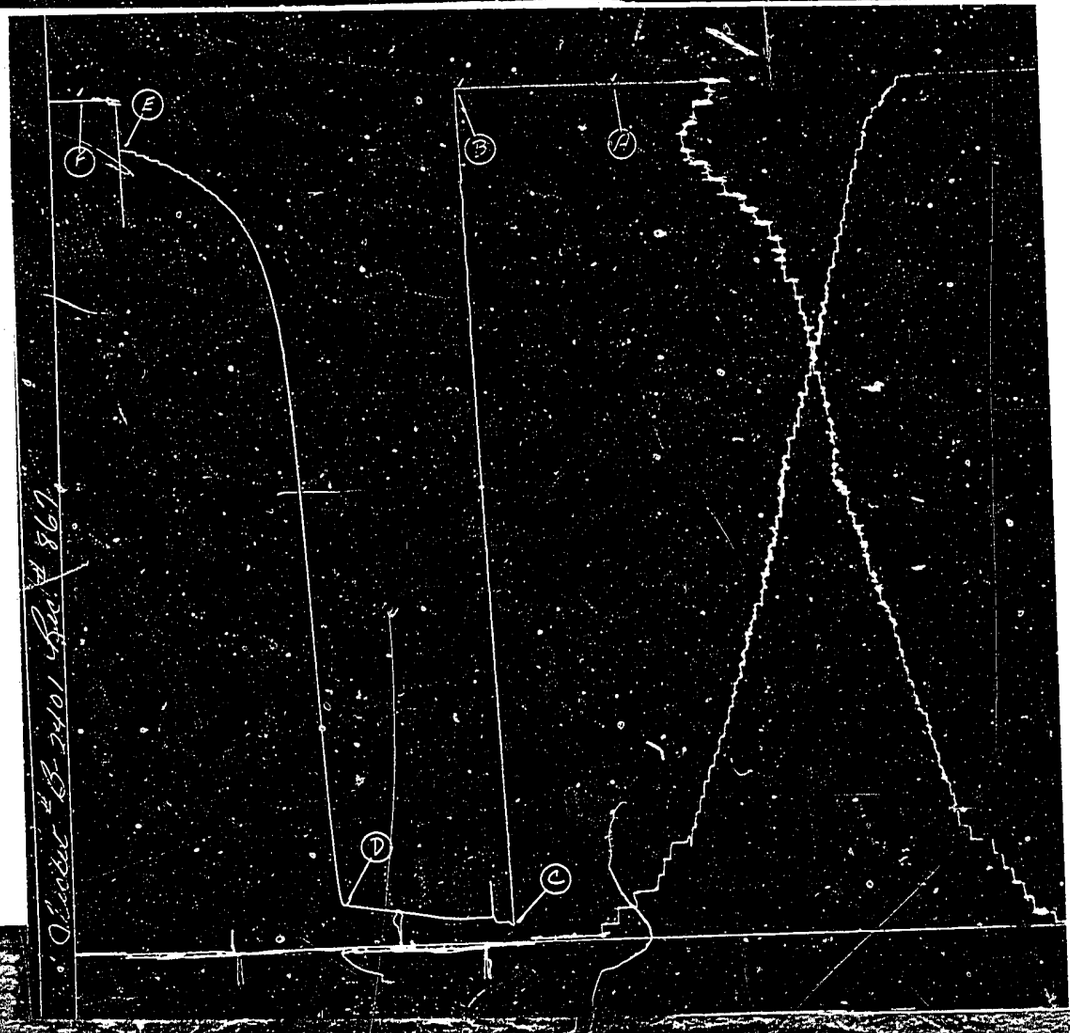

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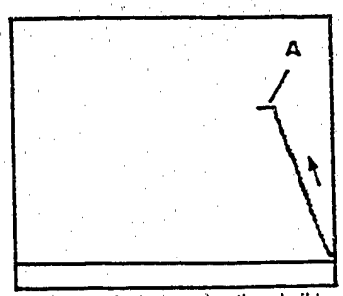

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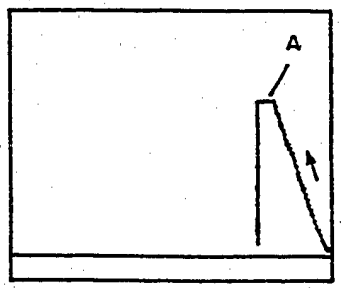
GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

1



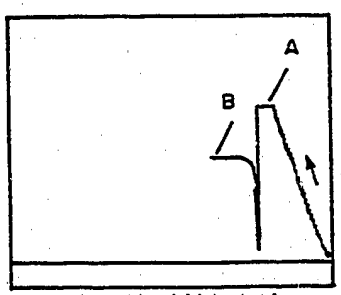
The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.

2



The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.

3

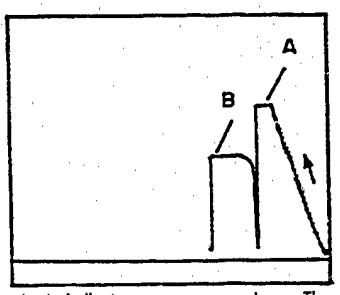


This chart shows the initial shut-in pressure. There are three mechanical methods by which this initial shut-in can be taken:

1. A disc valve with air chamber
2. A shut-in tool closed at top of an air chamber.
3. Closing of the main testing valve (no air chamber)

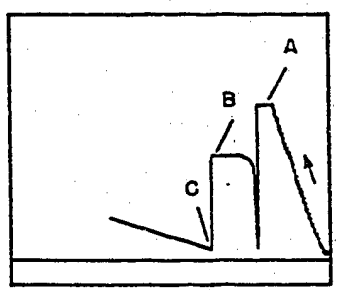
All these methods are carried out by allowing only a minimum of formation fluid to be produced. This initial shut-in pressure is the best method yet devised for recording the original, undisturbed reservoir pressure of a formation.

4



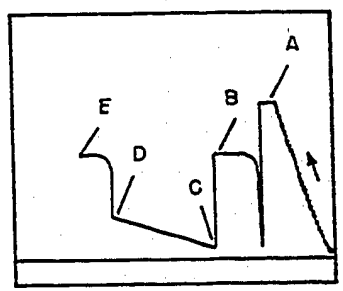
The chart indicates a pressure drop. The test tool has been opened to the surface either by breaking a disc, rotating a shut-in tool open or by reopening the main testing valve to permit the formation to produce.

5



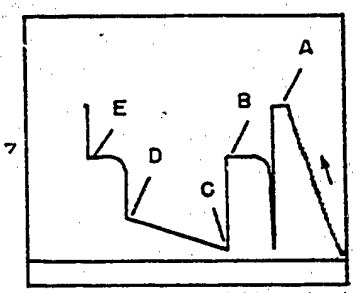
The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.

6



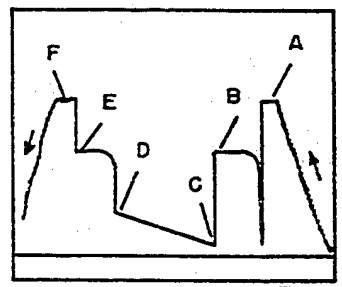
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

7



The chart shows the equalizing, the by-pass ports have been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.

8



The packer has been unseated. The testing assembly is being removed from the hole.

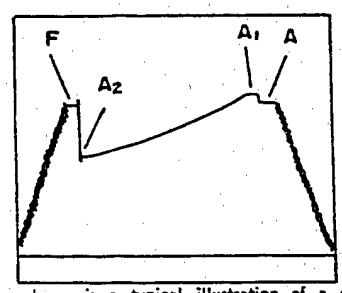
INDEX OF LABELED POINTS:

- A. Initial Hyd. Mud
- B. Initial shut-in
- C. Initial flow
- D. Final flow
- E. Final shut-in
- F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

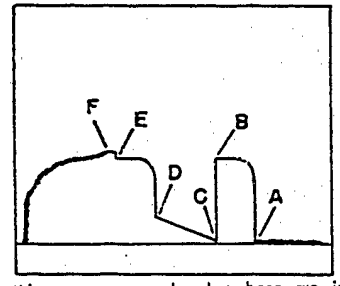
A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B-1, B-2, B-3, etc. The Initial Shut-in Pressures
C-1, C-2, C-3, etc. Flowing Pressures
D-1, D-2, D-3, etc. The Final Flow Pressures or Final Shut-in Pressures
E-1, E-2, E-3, etc. The Final Shut-in Pressures
F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

A



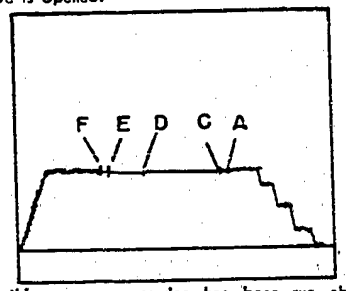
The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a straddle test. Only the hydrostatic mud pressures are recorded. When the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a draw-down in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone, then the bottom packer has failed. If this occurs, all zones below the top packer are being tested.

B



In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

C



In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.

R.O.C.E. N. Pol. SEPARTION NO. 1
67034'6" N. Lat., 134°00'10" W. Long.
Northwest Territories

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
Spud in Imperial Formation. No samples from 0' to 40 feet.										
40	50	Med. Grey		-	Shale & Siltstone	Shale med gry, micromicaceous, silty, slightly fissile with interbeds of siltstone, well sorted, speckled. Minor sandstone, medium grey, fine grained to silty, poorly sorted, tight, argillaceous, micaceous, slightly glauconitic in part.	Tight			
50	60	As above			As above	As above.	As above			
60	70	Light to medium grey		Coarse to fine	Sandstone	Sandstone, light to medium grey, salt and pepper, arkosic, coarse to fine grained, poorly sorted, angular to subrounded, silty, tight, micaceous in part, slightly glauconitic in part. Trace of pyrite. Minor siltstone and shale as above.	Tight	Pyrite		
70	80	Light to medium grey		Medium to very fine grained	Sandstone	Sandstone light to medium grey, salt and pepper, arkosic, medium to very fine grained, poorly sorted, angular to subrounded, silty, tight, micaceous, grading to a micaceous siltstone in part, poor sample.	Tight			
80	90	As above		As above	Sandstone	Sandstone as above, becoming coarser grained with interbedded shale, medium grey, silty, slightly fissile. Trace ironstone.	Tight			
90	100	As above		Fine to very fine grained	Sandstone	Sandstone as above, fine to very fine grained, grading to a micaceous siltstone in part, minor shale as above.	Tight			
100	110	Light Grey		Medium to very fine grained	Sandstone	Sandstone light grey, salt and pepper, arkosic, medium to very fine grained, angular to subrounded, poorly sorted, silty, tight, micaceous in part, slightly glauconitic in part with minor siltstone				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
100	110 (Continued)					brownish-grey, micaceous, trace ironstone.	Tight			
110	120	Light grey		Medium to very fine grained	Sandstone	Sandstone as above, with minor shale, medium grey, silty, micaceous, slightly fissile, trace siltstone.	Tight			
120	130	Light grey		As above	Sandstone	Sandstone as above, becoming finer grained, grading to a poorly sorted, micaceous siltstone in part. Common shale medium grey, silty in part, micro-micaceous in part, slightly fissile, trace ironstone.	Tight			
130	140	Light to medium grey			Siltstone & Shale	Siltstone, light to medium grey to brownish-grey, micaceous, poorly sorted, grading to a very fine grained sandstone in part. Interbeds of shale, medium grey, silty in part, micromicaceous. Common sandstone as above. Trace ironstone. Trace pyrite.	Tight	Pyrite		
140	150	As above		Medium to very fine grained	Sandstone & Siltstone	Sandstone light to medium grey, salt and pepper, arkosic, medium to very fine grained, angular to subrounded, poorly sorted, silty, tight, micaceous in part, slightly pyritic in part, with interbeds of siltstone as above. Minor shale, medium grey, silty and micaceous in part. Trace pyrite.	Tight	Pyrite		
150	160	Medium grey			Shale	Shale medium grey, silty in part, micro-micaceous in part, slightly fissile, with traces of siltstone and sandstone as above.				
160	170	Medium grey			Shale	Shale medium grey, slightly micromicaceous, silty in small part, with traces of siltstone and sandstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
170	180	Medium grey			Shale	Shale as above, with the occasional large frosted angular quartz grain.				
180	190	Light to medium grey		Fine to very fine grained.	Sandstone	Sandstone, light to medium grey, salt and pepper, arkosic, fine to very fine grained, angular to subrounded, poorly sorted, silty, tight, micaceous; in part with interbeds of shale as above. Trace pyrite. Minor ironstone fragments. Occasional large rounded chert grains & clear, angular quartz grains.	Tight	Pyrite		
190	200	Light to medium grey			Shale & Sandstone	Shale medium grey, silty, micromicaceous in part, with interbeds of sandstone as above. Minor siltstone.	Tight			
200	210	Medium grey			Shale	Shale medium grey, silty & micromicaceous in part with minor salt and pepper, fine to very fine grained, arkosic sandstone as above.				
210	220	Light to medium grey		Fine to very fine grained	Sandstone & Shale	Interbedded sandstone and shale, sandstone light to medium grey, salt and pepper, arkosic, fine to very fine grained, angular to subrounded, poorly sorted, silty, tight, micaceous in part, with shale as above, common ironstone fragments, trace pyrite, trace chert.	Tight	Pyrite	Pyritized Wood	
220	230	Light to medium grey		Fine to very fine grained.	Sandstone	Sandstone as above, slightly glauconitic, with minor shale, medium grey, silty and micromicaceous in part. Common ironstone fragments. Trace pyrite. Trace of coarse light grey chert grains.	tight	Pyrite		
230	240	Light to medium grey		Fine to very fine grained	Sandstone & Shale	Interbedded sandstone and shale. Sandstone light to medium grey, salt and pepper, arkosic, fine to very fine grained, angular to subrounded, poorly sorted, silty, tight, micaceous in part,	Tight	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
230	240 continued					slightly pyritic in part, with shale as above. Common ironstone fragments, trace pyrite. Trace chert.	Tight	Pyrite		
240	250	Medium grey			Shale	Shale medium grey, micromicaceous, silty in part, slightly fissile, with minor sandstone as above. Common brown ironstone fragments. Trace pyrite.	Tight	Pyrite		
250	260	Medium grey			Shale	Shale as above with interbedded sandstone light grey, salt and pepper, very fine grained, poorly sorted, silty, tight, micaceous in part. Trace ironstone.	Tight			
260	270	Light grey		Very fine grained to silty	Sandstone	Sandstone light grey, salt and pepper, arkosic, very fine grained to silty, angular to subrounded, poorly sorted, tight, micaceous in part, slightly glauconitic in part, with minor shale as above. Trace ironstone.	Tight			
270	280	Light grey to medium			Shale and Sandstone	Interbedded sandstone and shale, sandstone as above, slightly pyritic in part, shale medium grey, micromicaceous, silty in part, slightly fissile. Trace chert and ironstone.	Tight	Pyrite		
280	290	As above			As above	As above.	Tight	As above		
290	300	Light grey		Fine to very fine grained	Sandstone	Sandstone, light grey, salt and pepper, arkosic, fine to very fine grained to silty, poorly sorted, tight, micaceous in part, slightly glauconitic in part, grading to a poorly sorted siltstone in part. Interbedded shale as above. Trace ironstone.	Tight			
300	310	Light grey		Very fine grained	Sandstone	Sandstone, light grey, salt and pepper, arkosic, very fine grained, grading to siltstone in part, poorly sorted, tight, calcareous, slightly micaceous in part, slightly glauconitic, in part, trace ironstone, trace chert.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
310	320	Light grey		Very fine grained	Sandstone & shale	Interbedded sandstone and shale. Shale medium grey, micromicaceous, silty in part, slightly fissile, sandstone as above, slightly calcareous in part.	Tight			
320	330	Medium grey			Shale	Shale medium grey, micromicaceous, silty in part, slightly fissile with interbeds of sandstone, light grey, very fine grained to silty, poorly sorted, arkosic, tight, micaceous in part, grading to a poorly sorted siltstone in part.	Tight			
330	340	Light to medium grey		Very fine grained	Sandstone	Sandstone light to medium grey, salt and pepper, very fine grained to silty, poorly sorted, argillaceous, tight, micaceous in part, slightly pyritic in part, grading to a sandy siltstone in part, with minor shale as above. Trace ironstone.	Tight	Pyrite		
340	350	Light to medium grey		Very fine grained	Sandstone	Sandstone as above becoming coarser grained in part with common shale, medium grey, micromicaceous, silty in part, slightly fissile. Trace ironstone, trace pyrite.	Tight	Pyrite		
350	360	Light grey		Very fine grained	Sandstone	Sandstone, light grey, salt and pepper, very fine grained, poorly sorted, argillaceous, tight, micaceous in part, slightly calcareous, slightly glauconitic in part, with minor shale as above. Trace ironstone.	Tight			
360	370	Light grey to brownish grey			Shale and sandstone	Interbedded sandstone and shale. Sandstone as above, brownish-grey in part, shale as above, medium to dark grey, common ironstone fragments.	Tight			
370	380	Light grey		Very fine grained	Sandstone	Sandstone, light grey, salt and pepper, very fine grained, poorly sorted, argillaceous, tight, micaceous in part, pyritic in part, slightly calcareous, with minor medium to dark grey shale as above.	Tight	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
380	390	Light grey		Fine to very fine grained	Sandstone	Sandstone as above, fine to very fine grained, with minor shale as above, trace ironstone, trace pyrite.	Tight	Pyrite		
390	400	Light to medium grey		Very fine grained	Sandstone	Sandstone light to medium grey, salt and pepper, very fine grained to silty, poorly sorted, angular to subrounded, tight, micaceous in part, slightly pyritic in part, grading to a poorly sorted siltstone in part, minor shale as above, trace ironstone, trace chert.	Tight	Pyrite		
400	410	Light to medium grey		Very fine grained	Sandstone	Sandstone as above with trace of calcite filled fractures in sandstone. Interbedded shale medium to dark grey, micromicaceous, silty in part. Trace pyrite.	Tight	Calcite Pyrite		
410	420	Light to medium grey		Very fine grained	Sandstone	Sandstone as above, with interbedded shale as above. Sandstone is slightly calcareous. Trace chert.	Tight	Pyrite	Trace	
420	430	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous silty in part, slightly fissile, trace sandstone as above. Trace chert, trace pyrite.		Pyrite		
430	440	Medium to dark grey			Shale	Shale as above with interbeds of sandstone as above. Trace of coarse grains, cherty, poorly sorted, light grey, salt and pepper sandstone. Trace ironstone, trace pyrite.		Pyrite		
440	450	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous in part, silty in part, with trace of sandstone as above. Trace limestone, white, coarse grained, tight. Trace pyrite.		Pyrite		
450	460	Medium to dark grey			Shale	Shale as above, trace of chert and ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
460	470	Light grey		Very fine grained to silty	Sandstone	Sandstone, light grey, salt and pepper, to silty, argillaceous, poorly sorted, tight, slightly micaceous with interbedded shale as above. Trace chert, Trace pyrite.		Pyrite		
470	480	Light grey		Very fine grained to silty	Sandstone	Sandstone as above, slightly calcareous in part, grading to a poorly sorted siltstone in part with interbedded shale as above. Trace ironstone.				
480	490	Light grey		Very fine grained	Sandstone	Sandstone, light grey, salt and pepper, very fine grained to silty, argillaceous in part, poorly sorted, tight, slightly micaceous in part, slightly pyritic in part, slightly glauconitic in part, trace of calcite filled fractures. Minor shale medium to dark grey, micromicaceous in part, trace pyrite and ironstone.	Tight	Calcite Pyrite		
490	500	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous in part, silty in part with interbedded salt and pepper, slightly calcareous sandstone as above. Trace pyrite.		Pyrite		
500	510	Medium to dark grey			Shale	As above.		Pyrite		
510	520	Medium to dark grey			Shale	Shale as above with interbeds of sandstone as above. Trace ironstone.				
520	530				Shale and siltstone	Shale medium to dark grey, silty in part, slightly micromicaceous, with interbedded siltstone, light grey, salt and pepper, poorly sorted, sandy, slightly calcareous. Trace chert.				
530	540				Shale and sandstone	Interbedded shale and sandstone. Sandstone light grey, salt and pepper, very fine grained, silty in part, poorly sorted, tight, slightly calcareous, slightly micaceous in part, with shale	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
530	540	Continued				medium to dark grey, silty in part, slightly micromicaceous, slightly fissile. Trace ironstone.	Tight			
540	550				Shale and sandstone	Interbedded shale and sandstone as above, sandstone becoming slightly pyritic in part, trace ironstone.	Tight	Pyrite		
550	560				Shale & Sandstone	Interbedded shale and sandstone as above. Trace of glauconite in sandstone.	Tight			
560	570				Sandstone, Shale & Siltstone	Interbedded sandstone, shale and siltstone. Sandstone, light grey, salt and pepper, fine to very fine grained, silty, poorly sorted, tight, cherty, slightly micaceous, slightly calcareous, grading to a poorly sorted siltstone in part. Shale medium to dark grey, silty in part, micromicaceous, slightly fissile. Trace of buff sandstone. Trace ironstone.	Tight			
570	580				Sandstone & Shale	Interbedded sandstone and shale as above. Trace of pyrite & ironstone.	Tight	Pyrite		
580	590	Light grey		Very fine grained to silty	Sandstone	Sandstone light grey, salt and pepper, very fine grained to silty, poorly sorted tight, slightly micaceous, slightly pyritic in part, slightly glauconitic in part with minor medium to dark grey shale as above. Trace of coarse sandstone	Tight			
590	600	Light to medium grey		Coarse to very fine grained	Sandstone	Sandstone, light to medium grey, salt & pepper, coarse to very fine grained, angular to subrounded, very poorly sorted tight, cherty, slightly pyritic in part with greyish-brown siltstone. Minor shale medium to dark grey, micromicaceous, silty in part. Trace ironstone. Trace chert.	Tight	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
600	610	Light to medium grey		Fine to very fine grained	Sandstone	Sandstone light to medium grey, salt and pepper, fine to very fine grained, silty in part, angular to subrounded, poorly sorted, tight, cherty, with occasional fragments of coarse, very poorly sorted, cherty sandstone. Minor siltstone light grey, salt and pepper, poorly sorted, sandy. Minor shale medium to dark grey, micromicaceous in part. Trace chert.	Tight			
610	620	Light to medium grey		Fine to very fine grained	Sandstone	As above, sandstone becoming coarser. Common chert fragments. Trace ironstone.	Tight			
620	630	Medium to dark grey		Shale	Shale	Shale medium to dark grey, silty in part, hard, slightly micromicaceous with interbedded sandstone as above, very cherty in part.	Tight			
630	640	Medium to dark grey			Shale	Shale medium to dark grey, silty in part, hard, micromicaceous in part, with minor poorly sorted siltstone. Trace of sandstone as above.				
640	650	Light to medium grey		Very fine grained	Sandstone	Sandstone light to medium grey, salt and pepper, very fine grained to silty, angular to subrounded, poorly sorted, tight, micaceous in part, grading to a sandy siltstone in part, with interbedded shale as above.	Tight			
650	660	Light to medium grey		Very fine grained	Sandstone	As above.	Tight			
660	670				Sandstone & Shale	Interbedded sandstone & shale. Sandstone as above, shale medium to dark grey, micromicaceous in part, silty in part, hard. Common white to light grey chert fragments. Trace ironstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
670	680	Medium to dark grey			Shale	Shale medium to dark grey, hard, micro-micaceous in part, silty in part, slightly fissile with interbedded sandstone, light grey, salt and pepper, very silty, poorly sorted, tight, cherty in part, slightly micaceous, trace chert, trace ironstone.	Tight			
680	690	Medium to dark grey			Shale	Shale as above with minor sandstone as above. Trace of waxy chert, trace ironstone.				
690	700				Shale & Sandstone	Interbedded shale and sandstone. Shale as above. Sandstone as above, grading to a poorly sorted, sandy siltstone in part. Trace of a coarse, cherty, very poorly sorted sandstone. Trace chert, trace pyrite. Trace ironstone.	Tight	Pyrite		
700	710	Light to medium grey		Coarse to very fine grained	Sandstone	Sandstone light to medium grey to brownish-grey, salt and pepper, coarse to very fine grained, silty, angular to subrounded, poorly sorted, tight, cherty, slightly glauconitic in part, with interbedded shale as above. Trace siltstone. Trace chert & ironstone.	Tight			
710	720	Light to medium grey		Fine to very fine grained	Sandstone	Sandstone, light to medium grey, salt and pepper, fine to very fine grained, silty, poorly sorted, tight, cherty in part, slightly pyritic in part, grading to a sandy siltstone in part with interbedded medium to dark grey shale. Trace ironstone and chert.	Tight	Pyrite		
720	730	Light to medium grey		Fine to very fine grained	Sandstone	Sandstone as above with light brown(dead) oil stain in part, NCSOF. Minor interbedded shale, medium to dark grey, micro-micaceous in part, hard. Trace chert.	Tight			
730	740	No Sample				No Sample.				
740	750	Light grey		Very fine grained	Sandstone	Sandstone light grey, salt and pepper, very fine grained, poorly sorted, silty, tight, micaceous in part, slightly glauconitic, grading to siltstone in part. Trace ironstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
750	760	Light grey			Siltstone	Siltstone, light grey, salt and pepper, poorly sorted, sandy in part, micaceous in part with minor sandstone as above. Trace of chert.				
760	770	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous, hard, silty in part with minor siltstone and sandstone as above.				
770	780	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous in part, silty in part, hard, with minor sandstone and siltstone as above. Trace chert and ironstone.				
780	790				Siltstone & Shale	Interbedded siltstone and shale. Siltstone light to medium grey, salt and pepper, micaceous, poorly sorted, sandy in part, grading to a very fine grained sandstone. Shale as above.				
790	800	Light to medium grey			Siltstone	Siltstone as above, grading to a very fine grained sandstone in part with interbedded shale as above. Trace chert.				
800	810	Light to medium grey			Siltstone	As above.				
810	820	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous in part, silty in part, hard, slightly fissile with interbedded siltstone as above. Trace of fine to very fine grained poorly sorted, tight, slightly glauconitic light grey, salt and pepper sandstone. Trace ironstone.				
820	830				Shale & Sandstone	Interbedded shale and sandstone. Shale as above. Sandstone, light grey, salt and pepper, very fine grained to silty, poorly sorted, tight, micaceous in part, slightly glauconitic in part, grading to siltstone in part. Trace ironstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
830	840				Sandstone Shale & Siltstone	Interbedded sandstone, shale and siltstone. Shale and sandstone as above. Siltstone light grey, salt and pepper, micaceous in part, poorly sorted, trace chert.	Tight			
840	850				Shale & Sandstone	Shale medium to dark grey, micromicaceous, silty in part, slightly fissile with interbedded sandstone, light to medium grey, salt and pepper, fine to very fine grained to silty, very poorly sorted, angular to subrounded, tight, slightly micaceous, grading to a poorly sorted siltstone in part.	Tight			
850	860				Sandstone & Shale	Interbedded sandstone and shale as above. Trace chert.	Tight			
860	870				Shale & Siltstone	Shale medium to dark grey, micromicaceous in part, silty in part with interbedded siltstone, light to medium grey, salt and pepper, micaceous, poorly sorted, grading to a very fine grained sandstone in part. Trace chert.	Tight			
870	880	Light grey		Very fine grained	Sandstone	Sandstone-light grey, salt and pepper, very fine grained to silty, poorly sorted, tight, micaceous in part, grading to siltstone in part, with interbedded shale as above. Trace ironstone.	Tight			
880	890	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous silty in part, platy in part, with interbedded siltstone and sandstone as above. Trace ironstone.				
890	900	Medium to dark grey			Shale	As above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
900	910	Light to medium grey		Fine to very fine grained	Sandstone	Sandstone, light to medium grey, salt and pepper, fine to very fine grained to silty, very poorly sorted, sub-angular to subrounded, tight, argillaceous slightly micaceous with interbedded shale as above. Trace ironstone.	Tight			
910	920				Shale & Sandstone	Shale medium to dark grey, micromicaceous, silty in part, hard, with interbedded sandstone, light to medium grey, salt and pepper, very fine grained, silty in part, poorly sorted, argillaceous, tight, micaceous in part, grading to a sandy siltstone in part. Trace ironstone. Trace pyrite.	Tight	Pyrite		
920	930				Sandstone & Shale	As above, sandstone more abundant, coarser grained in part, cherty in part.	Tight			
930	940				Sandstone & Shale	As above.	Tight			
940	950	Medium to dark grey			Shale	Shale medium to dark grey, micromicaceous in part, silty in part, with interbedded sandstone as above.				
950	960	Light to medium grey		Very fine grained	Sandstone	Sandstone light to medium grey, salt and pepper, very fine grained to silty, poorly sorted, argillaceous, tight, micaceous in part, grading to a sandy siltstone in part with interbedded shale as above.	Tight			
960	970	Light to medium grey			Siltstone	Siltstone, light to medium grey, salt and pepper, poorly sorted, argillaceous micaceous, grading to a very fine grained sandstone in part. Trace ironstone.	Tight			
970	980	Light to medium grey			Siltstone	As above.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
980	990	Light to medium grey			Siltstone & Shale	Siltstone as above with interbedded shale, medium to dark grey, micromicaceous in part, silty in part.	Tight			
990	1000	Light to medium grey			Siltstone & Shale	Interbedded siltstone and shale as above.	Tight			
1000	1010	Light to medium grey			Siltstone & Shale	Siltstone as above, grading to a very fine grained, argillaceous sandstone in part, with interbedded medium to dark grey shale as above.	Tight			
1010	1020				Shale & Siltstone	Interbedded shale and siltstone. Shale medium to dark grey, micromicaceous in part, silty in part with siltstone light to medium grey, salt and pepper, poorly sorted, argillaceous, micromicaceous in part, slightly pyritic in part, grading to a very fine grained sandstone, trace chert.	Tight	Pyrite		
1020	1030				Shale & Siltstone	As above.	Tight			
1030	1040				Shale & Siltstone	Interbedded shale and siltstone as above. Trace light grey, medium to fine grained, tight, argillaceous sandstone. Trace chert.	Tight	Pyrite		
1040	1050	Dark grey			Shale	Shale dark grey, micromicaceous, silty in part, fissile in part with interbedded siltstone, medium grey, slightly salt and pepper, poorly sorted, argillaceous, micromicaceous in small part, trace chert.	Tight			
1050	1060	Dark grey			Shale	Shale with interbedded siltstone as above.	Tight			
1060	1070	Dark grey			Shale	Shale as above with minor interbedded siltstone as above, grading to a very fine grained, argillaceous sandstone in part. Trace chert.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1070	1080	Dark grey			Shale	As above.	Tight			
1080	1090	Dark grey			Shale	Shale dark grey, slightly micromicaceous, silty in small part, fissile in part with minor interbedded siltstone, light to medium grey, slightly salt and pepper, poorly sorted, argillaceous, slightly micaceous, grading to a very fine grained, argillaceous sandstone in part. Trace chert.	Tight	.....		
1090	1100	Dark grey			Shale	As above.	Tight			
1100	1110	Dark grey			Shale	As above.				
1110	1120				Shale & Siltstone	Shale dark grey, fissile in part, micro-micaceous in small part, silty in small part, with interbedded siltstone, light to medium grey, slightly salt and pepper, poorly sorted, argillaceous, micaceous in part, grading to a very fine grained, argillaceous sandstone in part.	Tight			
1120	1130				Shale & Siltstone	As above.				
1130	1140				Shale & Siltstone	Interbedded shale and siltstone as above.	Tight			
1140	1150				Shale & Siltstone	Shale dark grey, fissile in part, micro-micaceous in part, silty in small part, with interbedded siltstone, light grey to greenish-grey, salt and pepper, poorly sorted, argillaceous, micaceous, grading to a very fine grained, argillaceous sandstone. Trace of minor calcite-filled fractures in siltstone. Trace chert.	Tight	Calcite		
1150	1160				Shale & Siltstone	As Above.	Tight	Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1160	1170				Shale & Siltstone	As above.	Tight			
1170	1180				Shale & Siltstone	As above.	Tight			
1180	1190				Shale & Siltstone	As above.	Tight			
1190	1200				Shale & Siltstone	As above.	Tight			
1200	1210				Shale & Sandstone	Shale dark grey, micromicaceous in part, fissile in part with interbedded sandstone medium grey, salt and pepper, very fine grained to silty, very poorly sorted, argillaceous, tight, cherty in part, grading to an argillaceous siltstone in part, NCSOF.	Tight			
1210	1220				Shale & Sandstone	Interbedded shale, sandstone & siltstone as above. Trace of chert and ironstone.	Tight			
1220	1230				Shale & Sandstone	Interbedded shale, sandstone & siltstone as above. Sandstone becoming coarser and cherty. Trace of calcite-filled fractures. Trace pyrite.	Tight	Calcite Pyrite		
1230	1240				Shale & Sandstone	Interbedded shale, sandstone & siltstone as above. Trace ironstone. Trace of calcite, probably from fractures.	Tight	Calcite		
1240	1250				Shale & Siltstone	Shale dark grey, fissile in part, micromicaceous in part, silty in small part with interbedded siltstone, light to medium grey, salt and pepper, poorly sorted, argillaceous, micaceous, grading to a very fine grained, argillaceous sandstone in part.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1250	1260				Shale & Siltstone	Interbedded shale and siltstone as above with trace ironstone.	Tight			
1260	1270				Shale & Siltstone	Interbedded shale and siltstone as above. Trace of sandstone, medium grey, medium to fine grained, very poorly sorted, angular to subrounded, argillaceous, tight, cherty.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1270	1280	Light Grey			Siltstone	Siltstone, light grey, salt and pepper, fair to poor sorting, argillaceous, micaceous in part, grading to a very fine grained sandstone in part, with minor interbedded shale dark grey, fissile in part, micromicaceous in part. Trace ironstone.	Tight			
1280	1290	Light grey			Siltstone	Siltstone as above with minor interbedded shale as above, trace chert.	Tight			
1290	1300				Siltstone, Sandstone & Shale	Interbedded siltstone, sandstone and shale. Siltstone as above, sandstone light to medium grey, salt and pepper, very fine grained, angular to sub-rounded, very poorly sorted, argillaceous, tight, cherty in part, micaceous in part, very slightly glauconitic in part. Shale dark grey, fissile in part, micro-micaceous in part. Trace pyrite.	Tight	Pyrite		
1300	1310				Siltstone, Sandstone & Shale	Interbedded siltstone, sandstone and shale as above.	Tight			
1310	1320				Siltstone, Sandstone & Shale	Interbedded siltstone, sandstone & shale as above. Trace ironstone.	Tight			
1320	1330	Medium grey			Siltstone	Siltstone, medium grey, salt and pepper, poor sorting, argillaceous, micaceous in part, grading to a very fine grained, poorly sorted sandstone with minor interbedded shale, dark grey, fissile in part, micromicaceous in part. Trace pyrite.		Pyrite		
1330	1340				Siltstone & Shale	Interbedded siltstone and shale. Siltstone as above, shale dark grey, fissile in part, micromicaceous and silty in part, minor fine to very fine grained, poorly sorted, tight, micaceous, salt and pepper sandstone. Trace ironstone	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1340	1350	Medium grey			Siltstone	Siltstone medium grey to brownish-grey, salt and pepper, fair sorting, argillaceous in part, micaceous, grading to a very fine grained sandstone with interbedded shale, dark grey, micromicaceous, splintery in part, slightly pyritic in part. Trace ironstone.	Tight	Pyrite		
1350	1360	Medium grey			Siltstone	Siltstone as above, becoming sandier with occasional coarse rounded grains of chert embedded in siltstone. Minor shale as above. Trace of minor calcite-filled fractures. Minor very fine grained, silty, tight sandstone.	Tight	Calcite		
1360	1370	Medium grey			Siltstone	Interbedded siltstone and shale as above. Trace of calcite-filled fractures. Trace limestone, light grey to white, microcrystalline, tight.	Tight	Calcite		
1370	1380				Shale & Siltstone	Interbedded shale and siltstone. Shale dark grey, fissile in part, micromicaceous in part, splintery, with silstone light to medium grey to slightly salt and pepper fair sorting, argillaceous in part, micaceous in part, calcareous in part. Trace of small calcite-filled fractures.	Tight	Calcite		
1380	1390				Shale & Siltstone	Interbedded shale and siltstone as above. Trace ironstone.	Tight			
1390	1400				Shale & Siltstone	Interbedded shale and siltstone as above. Trace ironstone. Trace of calcite-filled fractures.	Tight	Calcite		
1400	1410				Shale & Siltstone	Siltstone light to medium grey, salt and pepper, fair sorting, argillaceous in part, micaceous in part, slighfy calcareous with interbedded shale, dark grey, fissile in part, micromicaceous in part, splintery. Trace calcite. Trace very fine grained, angular to rounded, argillaceous, tight, salt and pepper sandstone.	Tight	Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1410	1420				Shale & Siltstone	Interbedded shale and siltstone as above. Siltstone, grades to a very fine grained, argillaceous, tight, salt and pepper sandstone in part. Trace pyrite. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
1420	1430				Shale & Siltstone	Interbedded shale and siltstone as above. Trace limestone, white, dense, hard, tight.	Tight			
1430	1440				Shale & Sandstone	Interbedded shale and sandstone. Sandstone light to medium grey, salt and pepper, medium to very fine grained, very poorly sorted, argillaceous, tight, cherty, very slightly glauconitic in part with interbedded shale, dark grey, fissile in part, micromicaceous in part. Minor siltstone as above. Trace of calcite. Trace pyrite.	Tight	Calcite Pyrite		
1440	1450				Siltstone & Shale	Siltstone light to medium grey, slightly salt and pepper, fair to poor sorting, argillaceous in part, micaceous in part, with interbedded shale as above. Minor sandstone as above, pyritic in part. Trace chert.	Tight	Pyrite		
1450	1460				Siltstone & Shale	Interbedded siltstone and shale as above. Trace chert.	Tight			
1460	1470				Siltstone & Shale	Siltstone light grey, slightly salt and pepper, fair sorting, argillaceous in part, micaceous in part, grading to a very fine grained sandstone in part. with interbedded shale, dark grey, fissile in part, micromicaceous in part, silty in part, splintery. Trace medium to fine grained, cherty, tight sandstone	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1470	1480				Siltstone & Shale	Interbedded siltstone and shale as above. Minor sandstone, light grey, salt and pepper, very fine grained, silty in part, fair sorting, tight, no cut, stain, odour or fluorescence. Trace pyrite.	Tight	Pyrite		
1480	1490				Shale and Sandstone	Shale dark grey, splintery, fissile in part, micromicaceous with interbedded sandstone, medium grey, salt and pepper, fine to very fine grained, very poorly sorted, tight, silty, cherty. Minor siltstone as above.	Tight			
1490	1500				Shale & Siltstone	Shale as above with interbedded siltstone light to medium grey, poorly sorted, micaceous, slightly calcareous in part, argillaceous in part. Minor sandstone as above. Trace ironstone.	Tight			
1500	1510				Shale & Sandstone	Shale as above with interbedded sandstone, light to medium grey, salt and pepper, very fine grained, fair sorting, argillaceous in part, tight, micaceous in part, grading to siltstone in part. Trace of medium to fine grained, arkosic, tight, greyish-brown sandstone. Trace ironstone.	Tight			
1510	1520				Shale & Sandstone	Interbedded shale and sandstone as above. Siltstone becoming more abundant. Trace ironstone.	Tight			
1520	1530	Dark grey			Shale	Shale dark grey, fissile in part, micromicaceous, splintery with interbedded siltstone, medium grey, salt and pepper, poorly sorted, micaceous. Minor sandstone as above.	Tight			
1530	1540	Dark grey			Shale	As above.	Tight			
1540	1550				Shale & Siltstone	Interbedded shale and siltstone as above. Siltstone becoming very argillaceous in part. Minor sandstone medium grey, very fine grained to silty, very poorly sorted, argillaceous, tight, cherty. Trace ironstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1550	1560	Medium Grey			Siltstone	Siltstone light to medium grey, salt & pepper, fair sorting, argillaceous in part, micaceous in part, grading to very fine grained sandstone with interbedded shale, dark grey, slightly fissile, micromicaceous, in part, splintery.	Tight			
1560	1570	Medium grey			Siltstone	As above.	Tight			
1570	1580	Medium grey			Siltstone	As above.	Tight			
1580	1590				Siltstone & Shale	Interbedded siltstone and shale as above. Trace of sandstone, medium grey to greyish-brown, medium to fine grained, subangular to rounded, very poorly sorted, argillaceous, tight. Trace chert and ironstone.	Tight			
1590	1600				Sandstone & Siltstone	Sandstone, medium to dark grey, salt & pepper, fine to very fine grained, very poorly sorted, argillaceous, tight, slightly pyritic, cherty, with interbedded siltstone, medium grey, salt and pepper, fair sorting, argillaceous, micaceous in part.	Tight	Pyrite		
1600	1610	Light to medium grey		Very fine grained to silty	Sandstone	Sandstone, light to medium grey, salt and pepper, very fine grained to silty, fair to poor sorting, argillaceous in part, tight, cherty in part, slightly micaceous with interbedded shale, dark grey, fissile in part, micromicaceous in part, splintery. Trace ironstone. Minor siltstone.	Tight			
1610	1620	Medium grey			Siltstone	Siltstone, medium grey, slightly salt and pepper, fair sorting, very argillaceous in part, slightly micaceous, grading to a very fine grained sandstone in part with interbedded shale, dark grey, slightly fissile, micromicaceous in small part. Trace of fine to very fine grained, argillaceous, tight sandstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1620	1630				Siltstone & Shale	Interbedded siltstone and shale as above. Minor sandstone medium grey, salt and pepper, medium to very fine grained, very poorly sorted, very argillaceous, tight, cherty in part.	Tight			
1630	1640				Siltstone, Sandstone & Shale	Interbedded siltstone, sandstone & shale as above. Trace ironstone.	Tight			
1640	1650	Light grey			Siltstone	Siltstone light grey, salt and pepper, fair sorting, argillaceous in part, slightly micaceous in part, grading to a very fine grained, tight sandstone in part, with interbedded shale, dark grey, micro-micaceous in part, silty in part, slightly fissile. Trace of calcite-filled fractures.	Tight	Calcite		
1650	1660				Siltstone & Shale	Interbedded siltstone and shale as above. Trace of fine to very fine grained, poorly sorted, argillaceous sandstone.	Tight			
1660	1670	Dark grey			Shale	Shale dark grey, micromicaceous in part, silty in part, slightly fissile with minor siltstone as above.				
1670	1680				Sandstone & Shale	Sandstone, medium grey, salt and pepper, fine to very fine grained to silty, very poorly sorted, very argillaceous, tight, micaceous in part, slightly calcareous in part, grading to a poorly sorted siltstone in part, with interbedded shale as above, trace pyrite.	Tight	Pyrite		
1680	1690	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, slightly micromicaceous, with interbedded sandstone as above. Minor argillaceous, poorly sorted, salt and pepper siltstone. Trace ironstone.				

From	To	Core Analysis Size	Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1690			Sandstone & Shale	Sandstone light to medium grey, salt and pepper, fine to very fine grained to silty, very poorly sorted, very argillaceous, tight, micaceous in part, grading to siltstone in part, with interbedded shale, dark grey to black, fissile in part, micromicaceous in part, silty in part. Trace ironstone.	Tight			
1700	1710		Siltstone	Siltstone, light grey, salt and pepper, fair sorting, argillaceous in part, micaceous, slightly calcareous, grading to very fine grained sandstone in part. Minor shale as above. Trace of calcite-filled fractures.	Tight	Calcite		
1710	1720		Siltstone & Shale	Interbedded siltstone and shale as above. Trace calcite-filled fractures. Trace ironstone.	Tight	Calcite		
1720	1730		Siltstone & Shale	Interbedded siltstone and shale as above. Trace of calcite-filled fractures. Trace ironstone.	Tight	Calcite		
1730	1740		Siltstone & Shale	Interbedded siltstone and shale as above.				
1740	1750	Dark grey to black	Shale	Shale dark grey to black, fissile, micromicaceous in part, bituminous? with interbedded siltstone, light to medium grey, salt and pepper, poor sorting, argillaceous, micaceous in part, grading to a very fine grained sandstone in part. Trace calcite.		Calcite		
1750	1760	Light grey to brown	Sandstone	Sandstone, light grey to greyish-brown, salt and pepper, fine to very fine grained, rounded to subangular, very poorly sorted, argillaceous, tight, cherty, micaceous in part, with minor interbedded siltstone and shale as above.	Tight			
1760	1770	Dark grey to black	Shale	Shale dark grey to black, fissile, micromicaceous in part, bituminous in part, with minor siltstone, medium grey, salt and pepper, very argillaceous, trace very fine grained sandstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1770	1780				Shale & Siltstone	Shale as above with interbedded siltstone, light to medium grey, salt and pepper, fair to poor sorting, micaceous in part. Trace of calcite-filled fractures. Trace ironstone.		Calcite		
1780	1790				Shale & Siltstone	Interbedded shale and siltstone as above. Siltstone grading to a very fine grained argillaceous, salt and pepper sandstone in part. Trace ironstone.				
1790	1800					No sample.				
1800	1810	Dark grey to black			Shale	Shale dark grey to black, fissile, micromicaceous, bituminous in part, with minor siltstone, light to medium grey, poorly sorted, argillaceous, micaceous in part, slightly pyritic in part. Minor sandstone, medium grey, salt and pepper, fine to very fine grained, very poorly sorted, argillaceous, tight, cherty in part. Trace calcite.	Tight	Calcite Pyrite		
1810	1820	Dark grey to black			Shale	Shale as above, very slightly pyritic in part, with minor interbedded siltstone as above. Trace of sandstone as above.		Pyrite		
1820	1830	Dark grey to Black			Shale	Shale dark grey to black, fissile, micromicaceous, bituminous in part with interbedded siltstone, medium grey, slightly salt and pepper, poorly sorted, argillaceous, micaceous in part. Trace fine to very fine grained, tight, argillaceous sandstone. Trace of calcite-filled fractures.		Calcite		
1830	1840				Siltstone & Shale	Interbedded siltstone & shale as above. Siltstone becoming coarser, grading to a very fine grained, salt and pepper sandstone in part. Trace pyrite and calcite.		Pyrite Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1840	1850	Light grey			Siltstone	Siltstone light to medium grey, salt & pepper, fair to poor sorting, argillaceous, micaceous in part, grading to a very fine grained, salt and pepper sandstone, with interbedded shale dark grey to black, fissile, micromicaceous, bituminous in part. Trace of calcite-filled fractures.	Tight	Calcite		
1850	1860	Light grey			Siltstone	Siltstone as above with interbedded shale as above. Trace calcite.	Tight	Calcite		
1860	1870				Sandstone & Shale	Sandstone medium grey, salt and pepper, medium to very fine grained, very poorly sorted, very argillaceous, tight, cherty in part, with interbedded shale, dark grey to black, fissile, micromicaceous, bituminous in part, pyritic in part. Minor siltstone as above.	Tight	Pyrite		
1870	1880				Sandstone & Shale	As above.	Tight	Pyrite		
1880	1890	Medium grey			Sandstone	Sandstone, medium grey, salt and pepper, fine to very fine grained, very poorly sorted, very argillaceous, tight, cherty in part, slightly micaceous in part with minor shale, dark grey to black, fissile, micromicaceous, bituminous in part. Trace calcite. Minor siltstone.	Tight	Calcite		
1890	1900				Shale & Siltstone	Shale as above with interbedded siltstone light to medium grey, salt and pepper, poorly sorted, argillaceous, micaceous in part, grading to a very fine grained, salt and pepper sandstone. Minor sandstone, fine to very fine grained as above.	Tight			
1900	1910				Shale & Sandstone	Shale dark grey to black, fissile, micromicaceous in part, bituminous in part, slightly pyritic in part, with interbedded sandstone, light to medium grey, salt & pepper, fine to very fine grained, very poorly sorted, very argillaceous, tight, slightly micaceous in part, slightly glauconitic in part, trace ironstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1910	1920				Shale & Siltstone	Shale as above, with interbedded siltstone, light to medium grey, salt and pepper, poorly sorted, argillaceous, micaceous in part, grading to a very fine grained sandstone. Minor fine to very fine grained, argillaceous sandstone as above.	Tight			
1920	1930	Dark grey to black			Shale	Shale as above with interbedded siltstone as above. Minor sandstone as above. Trace ironstone.				
1930	1940	Light to medium grey			Siltstone	Siltstone as above, greding to a very fine grained sandstone in part; with interbedded bituminous shale as above.				
1940	1950	Light to medium grey			Siltstone	As above.				
1950	1960	Light to medium grey			Siltstone	As above.				
1960	1970	Dark grey to black			Shale	Shale dark grey to black, fissile, micromicaceous in part, bituminous in part, with minor siltstone, medium grey, slightly salt and pepper, fair to poor sorting, argillaceous, micaceous in part, Trace of fine to very fine grained, argillaceous, very poorly sorted, tight, salt and pepper sandstone.				
1970	1980				Shale & Siltstone	Interbedded shale and siltstone as above. Minor sandstone medium grey to brownish-grey, fine to very fine grained, very poorly sorted, argillaceous, tight, slightly micaceous.	Tight			
1980	1990				Sandstone, siltstone & Shale	Interbedded siltstone, sandstone & shale as above.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1990	2000				Sandstone & Shale	Shale dark grey to black, fissile, slightly micromicaceous, bituminous in part, with interbedded sandstone, medium grey, slightly salt and pepper, fine to very fine grained to silty, very poorly sorted, argillaceous, tight. Trace of calcite. Minor poorly sorted, argillaceous siltstone.	Tight	Calcite		
2000	2010				Shale & Siltstone	Shale as above with interbedded siltstone, medium grey, poorly sorted, argillaceous, micaceous in part, grading to a very fine grained sandstone in part. Minor fine to very fine grained sandstone as above. Trace ironstone. Trace pyrite.	Tight	Pyrite		
2010	2020	Medium grey			Siltstone	Siltstone as above with interbedded shale as above.				
2020	2030	Medium grey			Siltstone	Siltstone as above, grading to a very fine grained sandstone in part, with interbedded dark grey to black shale as above. Trace of calcite veinlets. Trace ironstone.	Tight	Calcite		
2030	2040	Medium grey			Siltstone	As above.	Tight	Calcite		
2040	2050				Shale & Siltstone	Interbedded shale and siltstone as above. Minor sandstone medium grey, fine to very fine grained, poorly sorted, argillaceous, tight, cherty, micaceous in part.	Tight			
2050	2060	Light to medium grey			Siltstone	Siltstone, light to medium grey, slightly salt and pepper, fair sorting, argillaceous in part, micaceous in part, slightly calcareous in part, grading to a very fine grained sandstone in part. Trace calcite veinlets.	Tight	Calcite		
2060	2070	Light to medium grey			Siltstone	As above with minor shale, dark grey to black, micromicaceous in part, bituminous in part, fissile. Trace ironstone.	Tight	Calcite		

R.O.C. [illegible] 67°03½'C" [illegible] 13½°00'10"W. [illegible]
Northwest [illegible] Territories

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2070	2080	Dark grey to black			Shale	Shale dark grey to black, bituminous, micromicaceous, fissile in part, very slightly pyritic in part, with interbedded siltstone, medium to dark grey, poorly sorted, very argillaceous in part, micaceous in part. Minor fine to very fine grained, very argillaceous, medium to dark grey sandstone. Trace calcite.		Calcite Pyrite		
2080	2090				Sandstone, siltstone & Shale	Interbedded siltstone, sandstone and shale as above. Trace of calcite veinlets. Trace ironstone.	Tight	Calcite		
2090	2100				Sandstone, siltstone & Shale	Interbedded siltstone, sandstone & shale as above.	Tight			
2100	2110				Sandstone & Shale	Sandstone, medium grey, fine to very fine grained to silty, very poorly sorted, argillaceous, tight, arkosic in part, cherty in part, with interbedded shale, dark grey to black, fissile in part, bituminous in part, micromicaceous in part. Minor poorly sorted, argillaceous siltstone. Trace calcite veinlets.	Tight	Calcite		
2110	2120	Dark grey to black			Shale	Shale as above with interbedded sandstone medium grey, salt and pepper, fine to very fine grained to silty, very poorly sorted, argillaceous, tight, cherty in part, very slightly pyritic in part. Minor argillaceous, poorly sorted siltstone. Trace calcite veinlets.	Tight	Calcite Pyrite		
2120	2130	Dark grey to black			Shale	As above.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2130	2140				Shale & Siltstone	Shale dark grey to black, fissile, bituminous in part, micromicaceous in part, with interbedded siltstone, light to medium grey, salt and pepper, fair sorting, micromicaceous, argillaceous, very slightly pyritic in part, grading to a very fine grained, salt and pepper sandstone. Trace ironstone.	Tight	Pyrite		
2140	2150				Shale & Siltstone	Interbedded shale and siltstone as above. Siltstone becoming sandier. Trace of very bituminous, pyritic shale. Trace calcite veinlets.	Tight	Pyrite Calcite		
2150	2160	Light to medium grey			Siltstone	Siltstone, light to medium grey, salt and pepper, fair sorting, micromicaceous in part, argillaceous in part, slightly calcareous in part with minor dark grey to black bituminous shale as above. Trace calcite veinlets.	Tight	Calcite		
2160	2170				Sandstone & Shale	Sandstone light to medium grey, slightly salt and pepper, very fine grained to silty, poorly sorted, argillaceous in part, tight, micaceous in part, grading to siltstone in part, with interbedded shale, dark grey to black, micromicaceous, bituminous in part, fissile in part. Trace calcite veinlets.	Tight	Calcite		
2170	2180				Sandstone & Shale	As above.	Tight	Calcite		
2180	2190				Sandstone & Shale	As above.	Tight	Calcite		
2190	2200				Sandstone & Shale	As above.	Tight	Calcite		
2200	2210				Sandstone & Shale	Interbedded sandstone and shale as above. Sandstone grading to a poorly sorted, argillaceous siltstone in part. Trace calcite. Trace of brown, carbonaceous ironstone.	Tight	Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2210	2220				Sandstone & Shale	Shale as above, slightly pyritic in part with interbedded sandstone, medium to dark grey, very fine grained to silty, poorly sorted, argillaceous, tight, bituminous in part, no cut, stain, odour or fluorescence, grading to a poorly sorted, bituminous siltstone in part. Minor light grey, salt and pepper sandstone and siltstone as above.	Tight	Pyrite		
2220	2230				Sandstone & Shale	As above.				
2230	2240				Shale & Siltstone	Shale dark grey to black, micromicaceous, bituminous in part, fissile in part with interbedded siltstone, medium to dark grey, very poorly sorted in part, micaceous in part, argillaceous, grading to a silty sandstone in part. Minor cherty, fine to very fine grained, dark grey sandstone. Trace ironstone. Trace calcite veinlets.	Tight	Calcite		
2240	2250	Light grey		Very fine grained to silty	Sandstone	Sandstone, light grey, slightly salt and pepper, very fine grained to silty, poorly sorted, argillaceous, tight, micaceous in part, grading to a siltstone in part, no cut, stain, odour or fluorescence with interbedded dark grey to black shale as above.	Tight			
2250	2260				Sandstone & Shale	Interbedded sandstone and shale as above. Sandstone becoming cherty, dark grey & bituminous in part. Minor medium to dark grey argillaceous siltstone.				
2260	2270	Dark grey to black			Shale	Shale dark grey to black, micromicaceous in part, fissile in part, bituminous in part, with interbedded sandstone, medium to dark grey, very fine grained to silty, poorly sorted, argillaceous, tight, cherty in part. Minor siltstone. Trace ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2270	2280	Light to medium grey			Siltstone	Siltstone light to medium grey, salt & pepper, fair sorting, micaceous in part, argillaceous in part, grading to a very fine grained sandstone with interbedded shale as above.	Tight			
2280	2290	Medium to light grey		Very fine grained to silty	Sandstone	Sandstone medium to light grey, slightly salt and pepper, very fine grained to silty, very poorly sorted, argillaceous, tight, cherty, slightly micaceous, with common siltstone as above. Minor interbedded shale as above. Trace calcite veinlets.	Tight	Calcite		
2290	2300	Medium to light grey		Very fine grained to silty	Sandstone & Shale	Sandstone as above, becoming coarser grained and slightly glauconitic in part, with interbedded shale as above, slightly pyritic in part, minor light to medium grey siltstone as above.	Tight	Pyrite		
2300	2310				Siltstone & Shale	Siltstone medium grey, fair sorting, argillaceous in part, slightly micaceous, grading to a very fine grained sandstone in part, with interbedded shale, dark grey to black, bituminous in part, slightly micromicaceous.	Tight			
2310	2320				Siltstone & Shale	Interbedded siltstone and shale as above. Siltstone becoming sandier in part. Trace of calcite veinlets. Trace ironstone. Trace pyrite.	Tight	Calcite Pyrite		
2320	2330				Siltstone & Shale	Interbedded siltstone and shale as above. Trace ironstone.	Tight			
2330	2340	Dark grey to black			Shale	Shale dark grey to black, micromicaceous, fissile, bituminous in part with interbedded siltstone, medium grey, poorly sorted, argillaceous, micaceous, grading to a very fine grained sandstone. Trace ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2340	2350				Siltstone & Shale	Interbedded siltstone and shale as above, with minor sandstone, light to medium grey, fine to very fine grained to silty, poorly sorted, argillaceous, micaceous in part, slightly calcareous. Trace of calcite veinlets. Trace pyrite, trace ironstone.	Tight	Calcite Pyrite		
2350	2360				Siltstone & Shale	Interbedded siltstone & shale as above. Minor sandstone medium grey to brownish-grey, salt and pepper, fine to very fine grained to silty, poorly sorted, argillaceous, tight, cherty in part.	Tight			
2360	2370				Siltstone & Shale	As above. Common ironstone fragments. Trace calcite veinlets.	Tight	Calcite		
2370	2380				Sandstone & Shale	Sandstone light to medium grey, salt and pepper, fine to very fine grained to silty, poor sorting, argillaceous in part, cherty in part, very slightly pyritic in part, with interbedded shale, dark grey to black, bituminous, fissile, micromicaceous in part, Minor siltstone as above. Trace ironstone.	Tight	Pyrite		
2380	2390	Light to medium grey			Siltstone	Siltstone light to medium grey, salt and pepper in part, fair sorting, argillaceous in part, slightly micaceous, grading to a very fine grained sandstone in part.	Tight			
2390	2400				Siltstone & Shale	Interbedded siltstone and shale as above. Minor sandstone light grey, salt and pepper, fine to very fine grained, fair sorting, tight, slightly micaceous in part. No cut, stain, odour or fluorescence. Very poor sample. Made trip.	Tight			
2400	2410	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, micromicaceous in part, with interbedded siltstone as above, grading to a very fine grained sandstone in part. Minor fine to very fine grained sandstone as above. Trace carbonaceous ironstone.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2410	2420	Dark grey to black			Shale	As above.				
2420	2430	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, micromicaceous in part, with interbedded siltstone, medium to light grey, slightly salt and pepper, fair sorting, argillaceous in part, micaceous, grading to a very fine grained sandstone in part.				
2430	2440	Dark grey to black			Shale	Shale as above, very slightly pyritic in part with interbedded sandstone, light to medium grey, salt and pepper, fine to very fine grained, poorly sorted, argillaceous in part, tight, slightly micaceous in part. Minor siltstone as above. Trace calcite veinlets.	Tight	Calcite Pyrite		
2440	2450	Dark grey to black			Shale	Shale as above, with interbedded siltstone medium grey, slightly salt and pepper, fair sorting, argillaceous in part, micaceous in part, grading to a very coarse grained sandstone. Minor sandstone as above.				
2450	2460	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone as above.				
2460	2470	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, slightly micromicaceous in part with minor siltstone and fine to very fine grained, salt and pepper sandstone as above.				
2470	2480	Dark grey to black			Shale	Shale as above with minor siltstone & Sandstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2480	2490				Shale & Sandstone	Shale as above with interbedded sandstone medium to dark grey, very fine grained to silty, very poorly sorted, very argillaceous, cherty in part, bituminous in part, tight, slightly micaceous, no cut, stain, colour or fluorescence, grading to a medium to dark grey, poorly sorted, sandy siltstone. Trace calcite.	Tight	Calcite		
2490	2500	Dark grey to black			Shale	Shale as above, pyritic and very bituminous in small part, with interbedded siltstone, medium grey, poorly sorted, argillaceous, micaceous in small part, grading to a very fine grained sandstone in part.				
2500	2510	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, micromicaceous in part with interbedded siltstone as above. Minor medium grey, bituminous, very fine grained, argillaceous, tight sandstone. Common light brown ironstone fragments.				
2510	2520	Dark grey to black			Shale	As above.				
2520	2530	Dark grey to black			Scale	Shale as above with interbedded siltstone light to medium grey, slightly salt & pepper, poorly sorted, argillaceous in part, sandy in part, slightly micaceous. Minor sandstone, light grey, salt and pepper, fine to very fine grained, fair to poor sorting, tight, calcareous, cherty in part, bituminous in part. Trace calcite.		Calcite		
2530	2540	Dark grey to black			Shale	Shale as above with interbedded sandstone medium grey, salt and pepper in part, fine to very fine grained, argillaceous, poor to fair sorting, tight, bituminous in part, calcareous in part, slightly micaceous. Minor siltstone as above.				

Depth Metres From	Depth Metres To	Main Colour	Grading	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2540	2550	Medium grey			Siltstone	[illegible]		Pyrite		
2550	2560	Medium grey			Sandstone	As above.		Pyrite		
2560	2570	Medium grey			Sandstone	As above.		Pyrite		
2570	2580	Medium grey			Siltstone	Siltstone, medium grey, fair sorting, slightly micaceous, argillaceous in part with minor shale and sandstone as above.				
2580	2590	Medium to dark grey			Sandstone	Sandstone medium to dark grey, salt and pepper in part, fine to very fine grained, sub-rounded to sub-angular, poorly sorted, argillaceous, tight, cherty in part, slightly calcareous in part, very slightly glauconitic in part, with interbedded siltstone as above. Minor shale as above. Common ironstone fragments.				
2590	2600	Dark grey to black			Shale	Shale dark grey to black, fissile, blocky, slightly micromicaceous with interbedded sandstone and shale as above. Trace ironstone.				
2600	2610	Dark grey to black			Shale	Shale as above, with minor siltstone as above. Trace sandstone as above.				
2610	2620	Dark grey to black			Shale	Shale dark grey to black, siltstone, fissile, micromicaceous in part with minor sandstone, medium to dark grey, salt and pepper, medium to fine grained, very poorly sorted, argillaceous in part, angular to rounded, tight, very cherty in part. Minor siltstone as above. Trace ironstone.				

Depth: From	Depth: To	Main Colour	Hardness	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2020	2030	Dark grey to black			Shale	[illegible] with minor interbedded siltstone, light to medium grey, salt and pepper, fine to very fine grained, very poorly sorted, argillaceous, tight, cherty in part, bituminous in part, slightly micaceous. Minor sandstone.				
2030	2040	Dark grey to black			Shale	As above.				
2040	2050	Dark grey to black			Shale	As above.				
2050	2060	Dark grey to black			Shale	Shale as above with interbedded siltstone as above. Minor sandstone light to medium grey, salt and pepper, fine to very fine grained, very poorly sorted, argillaceous, tight, cherty in part, bituminous in part, slightly micaceous.				
2060	2070	Dark grey to black			Shale	Shale as above with interbedded sandstone as above. Minor siltstone as above.				
2070	2080	Medium grey			Siltstone	Siltstone, medium grey, fair to poor sorting, argillaceous in part, slightly micaceous in part, sandy in part, grading to a very fine grained sandstone in part, with interbedded shale as above. Minor sandstone as above.				
2080	2090	Medium grey			Siltstone	As above.				
2090	2100				Siltstone & Shale	Interbedded siltstone and shale as above. Minor medium to very fine grained, very argillaceous, cherty sandstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2700	2710	Medium grey			Siltstone	Siltstone light to medium grey, salt and pepper, poorly sorted, argillaceous in part, micaceous in part, very sandy in part, grading to a very fine grained, silty sandstone, with interbedded shale as above.				
2710	2720	Medium grey			Siltstone	As above.				
2720	2730	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, slightly micromicaceous, with minor siltstone as above. Trace of medium to fine grained, very argillaceous, tight sandstone. Trace ironstone.				
2730	2740	Dark grey to black			Shale	As above.				
2740	2750	Dark grey to black			Shale	As above.				
2750	2760	Medium grey			Siltstone	Siltstone medium to light grey, salt and pepper, fair to poor sorting, argillaceous in part, micaceous in part, grading to a silty sandstone in part, with interbedded shale as above.				
2760	2770				Shale & Siltstone	Interbedded shale and siltstone as above. Trace of fine to very fine grained, tight, argillaceous salt and pepper sandstone. Trace ironstone.				
2770	2780	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, micromicaceous in part with interbedded siltstone as above. Trace light grey, salt and pepper, fine to very fine grained, argillaceous, cherty sandstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2780	2790	Dark grey to black			Shale	Shale as above, with interbedded siltstone medium grey, fair sorting, argillaceous in part, slightly micaceous in part, very slightly glauconitic in part. Trace of fine to very fine grained, argillaceous, medium grey sandstone. Trace ironstone.				
2790	2800				Shale & Siltstone	Interbedded shale and siltstone as above. Siltstone grading to a very fine grained, silty sandstone in part. Trace ironstone.				
2800	2810	Medium grey			Siltstone	Siltstone medium grey, fair sorting, argillaceous in part, slightly micaceous in part, with interbedded shale, dark grey to black, bituminous, fissile, slightly micromicaceous.				
2810	2820				Siltstone & Shale	Interbedded siltstone and shale as above. Trace fine to very fine grained, argillacecus sandstone.				
2820	2830				Siltstone & Shale	As above, shale, pyritic in part.		Pyrite		
2830	2840	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, slightly micromicaceous with interbedded siltstone, light to medium grey, salt and pepper, fair to poor sorting, argillaceous in part, slightly micaceous, grading to a very fine grained sandstone in part. Trace ironstone.				
2840	2850	Dark grey to black			Shale	As above.				
2850	2860	Dark grey to black			Shale	Shale as above with minor interbedded siltstone as above and sandstone, light to medium grey, salt and pepper, fine to very fine grained, poorly sorted, argillaceous, tight, bituminous in part, slightly micaceous. Trace ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2860	2870				Shale & Siltstone	Shale as above with interbedded siltstone light to medium grey, salt and pepper, fair to poor sorting, argillaceous in part, micaceous, grading to a very fine grained, silty sandstone. Trace of light grey, medium to fine grained, tight, cherty sandstone.				
2870	2880				Shale & Siltstone	As above.				
2880	2890	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, micromicaceous in part, with minor interbedded siltstone, medium grey, poorly sorted, argillaceous, micaceous in part, sandy in part, grading to a very coarse grained silty sandstone.				
2890	2900	Dark grey to black			Shale	As above with trace of sandstone, medium grey, fine to very fine grained, very poorly sorted, tight, very hard.				
2900	2910				Shale & Siltstone	Interbedded shale as above and siltstone as above, very sandy in part.				
2910	2920	Medium grey			Siltstone	Siltstone, medium grey, slightly salt and pepper, fair sorting, argillaceous, micaceous in part, with minor interbedded shale, dark grey, bituminous, fissile, micromicaceous in part, very slightly pyritic in part.			Pyrite	
2920	2930	Light to medium grey			Siltstone	Siltstone as above, becoming sandier in part, grading to a very fine grained, salt and pepper sandstone with interbedded shale as above.				
2930	2940				Siltstone & Shale	Interbedded siltstone and shale as above. Trace of fine to very fine grained, tight argillaceous, salt and pepper sandstone. Trace ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
2940	2950				Siltstone & Shale	Interbedded siltstone and shale as above, with minor very fine grained, argillaceous, tight, light to medium grey, salt and pepper sandstone.				
2950	2960	Light to medium grey			Siltstone	Siltstone light to medium grey, salt and pepper, fair to poor sorting, argillaceous, micaceous in part, sandy in part, grading to a very fine grained sandstone with interbedded shale as above. Trace calcite.		Calcite		
2960	2970	Light to medium grey			Siltstone	As above, trace pyrite.		Pyrite		
2970	2980				Shale & Siltstone	Shale dark grey to black, bituminous, fissile, micromicaceous in part, with interbedded siltstone as above. Minor sandstone light to medium grey, salt and pepper, fine to very fine grained, very poorly sorted, argillaceous, tight.				
2980	2990	Light to medium grey			Siltstone	Siltstone as above with minor interbedded shale as above. Trace sandstone medium grey, medium grained, very poorly sorted, angular to subrounded, very argillaceous in part, tight, cherty, slightly pyritic in part.		Pyrite		
2990	3000	Light to medium grey			Siltstone	Siltstone as above, grading to a very fine grained, salt and pepper sandstone in part with interbedded dark grey to black shale as above.				
3000	3010	Light to medium grey			Siltstone	Siltstone light to medium grey, fair sorting, argillaceous in part, slightly micaceous in part with interbedded shale dark grey to black, bituminous, fissile, slightly micromicaceous.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3010	3020	Light to medium grey			Siltstone	Interbedded siltstone & shale as above. Siltstone sandy in part, grading to a very fine grained, salt and pepper sandstone.				
3020	3030	Light to medium grey			Siltstone	Interbedded siltstone and shale as above. Trace of fine to very fine grained, argillaceous, tight, salt and pepper sandstone.				
3030	3040				Siltstone & Shale	Interbedded siltstone and shale as above. Minor sandstone, light to medium grey, salt and pepper, fine to very fine grained poorly sorted, argillaceous, tight, slightly micaceous. Common ironstone fragments.				
3040	3050				Siltstone & Shale	As above. Trace pyrite.		Pyrite		
3050	3060	Light to medium grey			Siltstone	Siltstone, light to medium grey, fair sorting, argillaceous in part, micaceous in part, grading to a very fine grained sandstone with minor interbedded shale as above. Trace ironstone.				
3060	3070	Light to medium grey			Siltstone	Siltstone as above with minor interbedded shale as above. Minor fine to very fine grained, salt and pepper sandstone.				
3070	3080	Light to medium grey			Siltstone	Siltstone, light to medium grey, salt and pepper, fair sorting, argillaceous and micaceous in part, sandy in part, grading to a very fine grained sandstone, with minor interbedded shale, dark grey to black, bituminous, fissile, slightly micromicaceous.				
3080	3090	Light to medium grey			Siltstone	As above, with minor sandstone medium to dark grey, fine to very fine grained, very poorly sorted, argillaceous, tight, slightly micaceous.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3090	3100	Light to medium grey			Siltstone	Siltstone as above, very sandy in part, becoming a very fine grained sandstone in part, with minor interbedded shale as above.				
3100	3110				Siltstone & Shale	Interbedded siltstone & shale as above. Minor sandstone, light to medium grey, salt and pepper, fine to very fine grained to silty, poorly sorted, argillaceous, tight, slightly micaceous.				
3110	3120	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, slightly micromicaceous with minor interbedded siltstone as above. Trace fine to very fine grained, argillaceous sandstone.				
3120	3130	Dark grey to black			Shale	Shale as above with minor sandstone, light to medium grey, salt and pepper, fine to very fine grained, poorly sorted, argillaceous, tight, slightly micaceous, no cut, stain, odour or fluorescence. Trace siltstone as above.				
3130	3140	Dark grey to black			Shale	Shale as above with interbedded siltstone light to medium grey, slightly salt and pepper, fair sorting, argillaceous in part, slightly micaceous. Minor sandstone as above.				
3140	3150	Light to medium grey			Siltstone	Siltstone light to medium grey, slightly salt and pepper, poorly sorted, argillaceous in part, sandy in part, slightly micaceous, grading to a very silty, very fine grained sandstone in part with interbedded shale as above. Minor sandstone, light grey, salt and pepper, fine to very fine grained, very poorly sorted, argillaceous, tight.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3150	3160				Siltstone & Shale	Interbedded siltstone and shale as above. Minor sandstone, light to medium grey, medium to very fine grained, angular to subrounded, very poorly sorted, silty, tight, cherty.				
3160	3170				Siltstone & Shale	As above.				
3170	3180				Siltstone & Shale	Shale as above with interbedded siltstone medium grey, salt and pepper, very poorly sorted, argillaceous in part, sandy in part, slightly micaceous, grading to a silty, very fine grained sandstone in part. Minor medium to very fine grained, silty, tight, salt and pepper sandstone.				
3180	3190				Siltstone & Shale	As above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3190	3200	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, slightly micromicaceous in part with siltstone, medium to light grey, salt and pepper, poor sorting, argillaceous in part, micaceous in part, sandy in part, grading to a very fine grained, silty sandstone. Trace fine to very fine grained, argillaceous, bituminous in part, salt and pepper sandstone.				
3200	3210	Dark grey to black			Shale	As above with trace coarsely crystalline quartz veinlets.		Quartz		
3210	3220	Dark grey to black			Shale	Shale as above with minor sandstone, medium grey, fine to very fine grained to silty, very poorly sorted, argillaceous, tight, slightly micaceous. Minor siltstone as above.				
3220	3230	Dark grey to black			Shale	Shale as above, with minor siltstone, medium to light grey, poorly sorted, argillaceous in part, micaceous in part, sandy in part, grading to a very fine grained sandstone. Trace sandstone as above. Trace ironstone.				
3230	3240	Dark grey to black			Shale	As above, siltstone becoming more abundant and darker in colour.				
3240	3250	Dark grey to black			Shale	Shale dark grey to black, bituminous, slightly micromicaceous, very slightly pyritic, with interbedded sandstone medium grey, fine to very fine grained, very poorly sorted, argillaceous in part, tight, cherty in part. Trace ironstone.		Pyrite		
3250	3260	Dark grey to black			Shale	Shale as above with interbedded siltstone medium grey, poor to fair sorting, argillaceous, micaceous in part, sandy in part Minor sandstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3260	3270	Dark grey to black			Shale	Shale as above, with minor poorly sorted, sandy siltstone as above. Trace quartz. Trace ironstone.				
3270	3280				Shale & Sandstone	Shale as above with interbedded sandstone light to medium grey, fine to very fine grained, silty, very poorly sorted, argillaceous, tight, cherty in part. Minor siltstone as above. Trace ironstone.				
3280	3290	Light grey			Siltstone	Siltstone, light grey, salt and pepper, fair sorting, hard, argillaceous in part, micaceous in part, grading to a very fine grained sandstone in part, with minor interbedded shale as above. Trace clear quartz crystals.		Quartz		
3290	3300	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, slightly micaceous with interbedded siltstone as above. Trace fine to very fine grained, argillaceous, salt and pepper sandstone.				
3300	3310	Dark grey to black			Shale	Shale as above with interbedded siltstone as above. Trace sandstone.				
3310	3320	Dark grey to black			Shale	Shale as above with minor siltstone as above. Trace of sandstone, medium grey, medium to very fine grained, very poorly sorted, argillaceous, tight, very cherty in part. Trace ironstone.				
3320	3330	Dark grey to black			Shale	Shale as above with minor siltstone as above. Trace ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3330	3340	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, slightly micromicaceous in part, with interbedded siltstone medium grey, fair sorting, argillaceous, micaceous in part. Trace of fine to very fine grained, very silty sandstone.	—		—	
3340	3350				Shale & Siltstone	Interbedded shale and siltstone as above.				
3350	3360	Dark grey to black			Shale	Shale as above, with interbedded siltstone, light to medium grey, salt and pepper, fair sorting, hard, argillaceous in part, sandy in part, micaceous, grading to a very fine grained sandstone in part.				
3360	3370	Dark grey to black			Shale	Shale as above with minor interbedded siltstone as above.				
3370	3380	Dark grey to black			Shale	Shale as above, very bituminous in part, with interbedded siltstone, medium to dark grey, very poorly sorted, sandy in part. Minor siltstone as above. Trace of dolomite light grey, microcrystalline, tight, calcareous.	Note: Dolomite in samples believed to be wrong as shaker screen on shale shaker was changed at approximately this depth. Probably contaminating sample.			
3380	3390	Dark grey to black			Shale	Shale as above with interbedded siltstone, medium to light grey, salt and pepper in part, poor to fair sorting, micaceous, grading to a very fine grained sandstone in part. Trace dolomite as above.				
3390	3400	Dark grey to black			Shale	Shale as above with interbedded siltstone as above, grading to a very fine grained sandstone in part. Trace sandstone medium grey, medium to fine to very fine grained, very poorly sorted, argillaceous, tight, cherty in part.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3400	3410				Shale & Sandstone	Shale as above with interbedded sandstone light to medium grey, salt and pepper in part, very fine grained to silty, fair to poor sorting, argillaceous in part, tight, slightly micaceous, grading to siltstone in part.	Tight			
3410	3420				Shale & Sandstone	As above.	Tight			
3420	3430				Shale & Sandstone	Shale as above with interbedded sandstone, medium grey, fine to very fine grained to silty, very poorly sorted, argillaceous in part, silty in part, tight, cherty in part, bituminous in part, no cut, stain, oil or fluorescence. Minor siltstone.	Tight			
3430	3440				Shale, Sandstone & Siltstone	As above with interbedded siltstone, medium grey, fair to poor sorting, micaceous in part, grading to a very fine grained sandstone in part.	Tight			
3440	3450	Dark grey to black			Shale	Shale dark grey to black, bituminous, fissile, micromicaceous in part with minor siltstone and sandstone as above. Trace gypsum and anhydrite.				
3450	3460	Dark grey to black			Shale	Shale as above with interbedded siltstone light to medium grey, salt and pepper, fair to poor sorting, argillaceous in part, slightly micaceous, sandy in part, grading to a very fine grained silty sandstone in part. Trace light brownish-grey anhydrite.				
3460	3470	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone. Trace anhydrite.				
3470	3480	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, slightly micromicaceous, splintery, with minor siltstone & sandstone. Trace gypsum.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3480	3490	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone. Note - Sample badly contaminated as shale shaker had been cleaned prior to catching this sample.				
3490	3500	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, slightly micromicaceous with interbedded siltstone, medium to light grey, salt and pepper, fair to poor sorting, argillaceous in part, micaceous in part, sandy in part, grading to a very fine grained silty sandstone. Trace of sandstone, fine to very fine grained, cherty, argillaceous, tight.				
3500	3510	Dark grey to black			Shale	Shale as above with minor siltstone as above.				
3510	3520	Dark grey to black			Shale	Shale as above, splintery in part with minor sandstone, light to medium grey, salt and pepper, very fine grained to silty, poorly sorted, argillaceous in part, tight. Trace anhydrite.				
3520	3530	Dark grey to black			Shale	As above. Sandstone grading to a poorly sorted siltstone in part. Trace pyrite.		Pyrite		
3530	3540	Dark grey to black			Shale	Shale as above with minor medium grey, argillaceous siltstone, grading to a very fine grained, silty sandstone in part. Trace fine to very fine grained silty sandstone. Trace pyrite.		Pyrite		
3540	3550	Dark grey to black			Shale	Shale as above with minor sandstone, medium grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight. Minor siltstone as above.				
3550	3560	Dark grey to black			Shale	As above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3560	3570	Dark grey to black			Shale	As above. Trace of sandstone medium to dark grey, medium to fine grained, round to subangular, poorly sorted, silty, very cherty in part.				
3570	3580	Dark grey to black			Shale	Shale as above with minor siltstone, medium to light grey, fair to poor sorting, micaceous in part, sandy in part, argillaceous in part, grading to a very fine grained sandstone. Trace of fine to very fine grained, very poorly sorted, argillaceous, tight, light grey sandstone. Trace anhydrite and gypsum.				
3580	3590	Dark grey to black			Shale	As above.				
3590	3600	Dark grey to black			Shale	As above.				
3600	3610				Shale & Sandstone	Shale dark grey to black, fissile, bituminous, slightly micromicaceous, with interbedded sandstone, medium to light grey, fine to very fine grained to silty, poor sorting, argillaceous, tight, slightly micaceous in part, very slightly pyritic in part, grading to a sandy siltstone in part.			Pyrite	
3610	3620	Dark grey to black			Shale	Shale as above with interbedded sandstone as above. Trace pyrite.			Pyrite	
3620	3630	Dark grey to black			Shale	Shale as above with interbedded siltstone, medium to dark grey, fair to poor sorting, argillaceous, micaceous in part. Trace anhydrite.				
3630	3640	Dark grey to black			Shale	As above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3640	3650	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous, slightly micromicaceous in part with minor sandstone medium grey to brownish-grey, fine to very fine grained to silty, poor sorting, argillaceous, tight, grading to a sandy siltstone in part.				
3650	3660	Dark grey to black			Shale	As above.				
3660	3670	Dark grey to black			Shale	Shale as above with minor siltstone medium grey, fair sorting, slightly micaceous, grading to a very fine grained sandstone in part. Trace sandstone as above. Trace annydrite.				
3670	3680	Dark grey to black			Shale	Shale as above with minor sandstone & siltstone. Sandstone medium grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight. Siltstone as above.				
3680	3690	Dark grey to black			Shale	Shale as above with interbedded sandstone and minor siltstone as above. Trace anhydrite. Trace pyrite.				
3690	3700	Dark grey to black			Shale	As above.				
3700	3710	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, slightly micromicaceous in part with minor sandstone medium grey, very fine grained to silty, poorly sorted, argillaceous, tight. Minor siltstone medium grey, fair to poor sorting, argillaceous in part, slightly micaceous. Trace anhydrite. Trace pyrite.			Pyrite	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3710	3720	Dark grey to black			Shale	As above.		Pyrite		
3720	3730				Shale & Sandstone	Shale as above with interbedded sandstone light to medium grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, cherty in part, bituminous in small part, slightly pyritic in part, no cut, stain, odour or fluorescence. Minor siltstone as above. Trace ironstone.	Tight	Pyrite		
3730	3740				Shale & Sandstone	As above.	Tight	Pyrite		
3740	3750	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone as above.				
3750	3760	Dark grey to black			Shale	Shale as above.				
3760	3770	Dark grey to black			Shale	As above.				
3770	3780	Dark grey to black			Shale	As above.				
3780	3790	Dark grey to black			Shale	Shale as above with minor siltstone & sandstone. Trace anhydrite. Trace fossils. Trace ironstone.			Trace	
3790	3800	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, micromicaceous in part, with minor sandstone medium grey to greenish-grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, grading to siltstone in part. Trace ironstone.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3800	3810	Dark grey to black			Shale	Shale as above with minor sandstone as above. Trace of sandstone, medium grey, medium to fine grained, angular to sub-rounded, very poorly sorted, argillaceous, tight, cherty.				
3810	3820	Dark grey to black			Shale	Shale as above with interbedded silt-stone, medium grey to greenish-grey, fair to poor sorting, very hard, argill-aceous in part, slightly micaceous in part, grading to a very fine grained sandstone in part. Trace of cherty sandstone as above.				
3820	3830	Dark grey to black			Shale	As above.				
3830	3840	Dark grey to black			Shale	As above.				
3840	3850	Dark grey to black			Shale	As above.				
3850	3860	Dark grey to black			Shale	Shale as above with interbedded sandstone medium grey to greenish-grey, fine to very fine grained to silty, poorly sorted argillaceous, tight, hard, grading to siltstone in part. Minor siltstone as above. Trace ironstone.				
3860	3870	Dark grey to black			Shale	As above.				
3870	3880	Dark grey to black			Shale	As above.				
3880	3890	Dark grey to black			Shale	As above.				
3890	3900	Dark grey to black			Shale	As above.				

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3900	3910				Shale & Sandstone	Interbedded shale and sandstone as above. Minor siltstone as above.	Tight			
3910	3920	Dark grey to black			Shale	Shale as above with minor sandstone, medium grey to greenish-grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight, hard, slightly micaceous, very slightly pyritic, in part. Minor siltstone, greenish-grey, fair to poor sorting, hard, argillaceous in part, slightly micaceous.				
3920	3930	Dark grey to black			Shale	As above.				
3930	3940	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone as above.				
3940	3950	Dark grey to black			Shale	As above.				
3950	3960	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, slightly micromicaceous in part, with minor sandstone, medium grey to greenish-grey, fine to very fine grained to silty, poorly sorted, argillaceous, hard, tight. Trace greenish-grey, poorly sorted, argillaceous siltstone.				
3960	3970	Dark grey to black			Shale	As above.				
3970	3980				Shale & Sandstone	Shale with interbedded sandstone. Minor siltstone medium grey to greenish-grey, fair to poor sorting, argillaceous in part, hard, micaceous in part.				
3980	3990	Dark grey to black			Shale	Shale as above, with interbedded sandstone as above. Minor siltstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
3990	4000	dark grey to black			Shale	Shale as above with minor siltstone and sandstone as above.				
4000	4010	Dark grey to black			Shale	Shale as above with interbedded siltstone and sandstone as above.				
4010	4020	Dark grey to black			Shale, Sandstone & Siltstone	Shale as above with interbedded sandstone and siltstone. Trace ironstone.				
4020	4030	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, slightly micromicaceous in part with interbedded sandstone and siltstone as above. Trace of medium to fine grained, very poorly sorted, argillaceous, tight sandstone.				
4030	4040	Dark grey to black			Shale	As above.				
4040	4050	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone as above.				
4050	4060	Dark grey to black			Shale	As above.				
4060	4070	Dark grey to black			Shale	As above.				
4070	4080	Dark grey to black			Shale	As above.				
4080	4090	Dark grey to black			Shale	As above.				
4090	4100	Dark grey to black			Shale	As above.				
4100	4110	Dark grey to black			Shale	As above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4110	4120	Dark grey to black			Shale	Shale as above with interbedded siltstone light to medium grey to greenish-grey, fair to poor sorting, argillaceous in part, micaceous in part, hard, grading to a very fine grained sandstone in part. Minor sandstone as above.				
4120	4130	Dark grey to black			Shale	Shale as above with minor siltstone and sandstore as above.				
4130	4140	Dark grey to black			Shale	Shale as above with minor siltstone and sandstone as above. Trace sandstone medium grey, medium to fine grained, very poorly sorted, angular to subrounded, quartzose, tight, very hard.				
4140	4150	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, micromicaceous in part, very slightly pyritic in part, with minor siltstone, medium grey to greenish-grey, fair sorting, hard, micaceous in part. Minor sandstone medium to light grey, fine to very fine grained, hard, fair to poor sorting, tight, argillaceous in part, micaceous in part.		Pyrite		
4150	4160	Dark grey to black			Shale	Shale as above with minor siltstone and sandstoue as above.				
4160	4170	Dark grey to black			Shale	As above.				
4170	4180	Dark grey to black			Shale	As above.				
4180	4190	Dark grey to black			Shale	Shale as above with interbedded siltstone light to medium grey, fair to poor sorting, argillaceous in part, hard, micaceous, sandy in part. Minor medium to light grey, fine to very fine grained sandstone as above.				

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain/Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4190	4200	Dark grey to black			Shale	As above.				
4200	4210	Dark grey to black			Shale	As above. Trace sandstone, medium grey, medium to fine grained, very poorly sorted, angular to subrounded, silty, tight, cherty, very hard. Trace ironstone.				
4210	4220	Dark grey to black			Shale	Shale as above with interbedded siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, hard, micaceous in part, grading to a very fine grained sandstone. Minor fine to very fine grained sandstone as above.				
4220	4230	Dark grey to black			Shale	As above.				
4230	4240	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous, with interbedded sandstone, medium grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, micaceous in part. Minor siltstone as above.				
4240	4250	Dark grey			Shale	As above.				
4250	4260	Dark grey			Shale	As above. Trace gypsum.				
4260	4270	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4270	4280	Dark grey			Shale	Shale as above with interbedded sandstone light to medium grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, grading to a poorly sorted siltstone. Minor siltstone as above. Trace of very pyritic, bituminous shale.		Pyrite		

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4280	4290	Dark grey			Shale	Shale as above with minor sandstone and siltstone as above. Trace gypsum.				
4290	4300	Dark grey			Shale	As above.				
4300	4310	Dark grey			Shale	As above.				
4310	4320	Dark grey			Shale	Shale dark grey, fissile, micromicaceous in part with minor siltstone, medium grey to greenish-grey, fair to poor sorting, hard, micaceous in part, sandy in part, grading to a very fine grained sandstone in part.				
4320	4330	Dark grey			Shale	As above.				
4330	4340	Dark grey			Shale	Shale as above, with minor siltstone as above. Minor sandstone light to medium grey, fine to very fine grained, poorly sorted, silty, tight, hard, No cut stain, odour or fluorescence.				
4340	4350	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above. Trace gypsum.				
4350	4360	Dark grey			Shale	Shale as above with interbedded siltstone light to medium grey, fair to poor sorting, hard, argillaceous in part, slightly micaceous in part, grading to a silty very fine grained sandstone in part.				
4360	4370	Dark grey			Shale	Shale as above, with minor siltstone as above.				
4370	4380	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part, with minor sandstone, medium grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, hard. Trace siltstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4380	4390	Dark grey			Shale	Shale as above with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, micaceous in part, hard, grading to a very fine grained sandstone. Trace sandstone as above.				
4390	4400	Dark grey			Shale	As above with trace gypsum and anhydrite.				
4400	4410	Dark grey			Shale	Shale as above with minor siltstone as above, becoming very sandy in part. Trace pyritic, bituminous shale. Trace sandstone, medium grey, coarse to medium grained, very poorly sorted, angular to subrounded, silty, tight, cherty, very hard. Trace anhydrite.		Pyrite		
4410	4420	Dark grey			Shale	Shale as above with minor siltstone as above and tight, fine to very fine grained, argillaceous sandstone. Trace pyritic, bituminous shale.		Pyrite		
4420	4430	Dark grey			Shale	As above.				
4430	4440	Dark grey			Shale	Shale dark grey, fissile, micromicaceous in part, with minor siltstone, medium grey, fair to poor sorting, argillaceous in part, slightly micaceous in part, hard, grading to a very fine grained sandstone in part.				
4440	4450	Dark grey			Shale	As above.				
4450	4460	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4460	4470	Dark grey			Shale	Shale as above with interbedded sandstone medium to light grey, fine to very fine grained to silty, poor sorting, argillaceous, tight, hard, slightly micaceous in part. Minor siltstone as above. Trace ironstone.				

Drilled — From	To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4470	4480	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4480	4490	Dark grey			Shale	Shale as above with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous, hard, micaceous in part, sandy in part, grading to a very fine grained sandstone. Trace greenish-grey, fine to very fine grained argillaceous sandstone.				
4490	4500	Dark grey			Shale	As above.				
4500	4510	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part, with interbedded sandstone light grey to greenish-grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight, hard, slightly micaceous in part. Minor siltstone as above. Trace ironstone.				
4510	4520	Dark grey			Shale	Shale as above with minor siltstone, medium grey to greenish-grey, poor to fair sorting, argillaceous, micaceous in part, sandy in part, grading to a very fine grained sandstone in part. Trace ironstone. Trace pyrite.		Pyrite		
4520	4530	Dark grey			Shale	Shale as above with minor siltstone as above, light grey in part. Trace gypsum.				
4530	4540	Dark grey			Shale	As above.				
4540	4550	Dark grey			Shale	Shale as above with minor sandstone, medium grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight, hard, slightly micaceous in part. Trace siltstone as above. Trace ironstone.				

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4550	4560	Dark grey			Shale	As above.				
4560	4570	Dark grey			Shale	As above.				
4570	4580	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above. Trace light brown, dense, tight limestone.				
4580	4590	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above. Trace ironstone.				
4590	4600	Dark grey			Shale	Shale dark grey, fissile, micromicaceous in part, with minor sandstone, medium to light grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight, hard. Trace siltstone, medium grey to light grey to greenish-grey, fair to poor sorting, argillaceous in part, micaceous in part, hard. Trace gypsum and ironstone.				
4600	4610	Dark grey			Shale	Shale as above with minor sandstone and siltstone as above.				
4610	4620	Dark grey			Shale	As above.				
4620	4630	Dark grey			Shale	As above.				
4630	4640	Dark grey			Shale	As above.				
4640	4650	Dark grey			Shale	Shale as above with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, slightly micaceous in part, hard, grading to a very fine grained sandstone in part. Trace gypsum.				
4650	4660	Dark grey			Shale	Shale as above with interbedded sandstone light to medium grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, hard, slightly micaceous in part. Minor siltstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4660	4670	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4670	4680	Dark grey			Shale	As above.				
4680	4690	Dark grey			Shale	Shale dark grey, fissile, slightly micaceous in part, with traces of siltstone and sandstone as above.				
4690	4700	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4700	4710	Dark grey			Shale	As above.				
4710	4720	Dark grey			Shale	As above.				
4720	4730	Dark grey			Shale	As above.				
4730	4740	Dark grey			Shale	As above.				
4740	4750	Dark grey			Shale	Shale as above with minor sandstone light to medium grey to greenish-grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight, hard, slightly micaceous in part, grading to siltstone in part. Trace ironstone.				
4750	4760	Dark grey			Shale	As above.				
4760	4770	Dark grey			Shale	Shale as above with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, slightly micaceous in part, hard, grading to a very fine grained sandstone in part.				
4770	4780	Dark grey			Shale	As above with trace ironstone.				
4780	4790	Dark grey			Shale	Shale as above, slightly pyritic in part, with minor siltstone and sandstone as above.		Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4790	4800	Dark grey			Shale	Shale dark grey, fissile, micaceous in part, with interbedded siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, micaceous in part, hard, sandy in part, grading to a very fine grained sandstone in part. Trace ironstone.				
4800	4810	Dark grey			Shale	As above with minor fine to very fine grained, argillaceous, tight sandstone.				
4810	4820	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above. Trace ironstone.				
4820	4830	Dark grey			Shale	As above.				
4830	4840	Dark grey			Shale	Shale as above with interbedded sandstone light to medium grey, fine to very fine grained to silty, poorly sorted, argillaceous in part, tight, hard. Minor siltstone as above.				
4840	4850	Dark grey			Shale	Shale as above with minor sandstone and siltstone as above.				
4850	4860	Dark grey			Shale	As above with trace of pyritic shale.		Pyrite		
4860	4870	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4870	4880	Dark grey			Shale	As above.				
4880	4890	Dark grey			Shale	As above.				
4890	4900	Dark grey			Shale	As above.				
4900	4910	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, slightly micaceous in part, hard, sandy in part,				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
4900	4910 Continued					grading to a very fine grained sandstone, trace ironstone.				
4910	4920	Dark grey			Shale	As above with minor fine to very fine grained to silty, argillaceous, tight, poorly sorted, medium to light grey sandstone. Trace of very bituminous, pyritic shale. Trace ironstone.		Pyrite		
4920	4930	Dark grey			Shale	Shale as above with interbedded siltstone and sandstone as above.				
4930	4940	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part with interbedded siltstone medium grey to light grey to greenish-grey, fair to poor sorting, argillaceous, micaceous in part, hard, sandy in part, grading to a silty sandstone in part. Minor fine to very fine grained, argillaceous, tight sandstone.				
4940	4950	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4950	4960	Dark grey			Shale	As above with trace pyritic shale, trace dark brown ironstone.		Pyrite		
4960	4970	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
4970	4980	Dark grey			Shale	As above.				
4980	4990	Dark grey			Shale	As above.				
4990	5000	Dark grey			Shale	As above.				
5000	5010	Dark grey			Shale	As above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5010	5020	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, micaceous in part, hard, sandy in part, grading to a very fine grained silty sandstone in part.				
5020	5030	Dark grey			Shale	Shale as above with minor siltstone as above. Trace fine to very fine grained, argillaceous, tight sandstone. Trace anhydrite.				
5030	5040	Dark grey			Shale	Shale as above with minor siltstone, sandstone as above. Trace ironstone.				
5040	5050	Dark grey			Shale	As above.				
5050	5060	Dark grey			Shale	Shale as above with minor siltstone, medium grey to greenish-grey, fair to poor sorting, argillaceous in part, micaceous in part, hard, sandy in part. Trace sandstone light to medium grey, fine to very fine grained to silty, argillaceous in part, poorly sorted, tight, hard, slightly micaceous in part, very slightly glauconitic in part. Trace ironstone.				
5060	5070	Dark grey			Shale	As above.				
5070	5080	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above. Trace anhydrite, trace ironstone.				
5080	5090	Dark grey			Shale	Shale as above with minor siltstone and sandstone as above.				
5090	5100	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part with trace of siltstone as above.				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5100	5110	Dark grey			Shale	Shale as above with minor siltstone as above.				
5110	5120	Dark grey			Shale	Shale as above with minor siltstone as above. Trace of bituminous, pyritic shale. Trace ironstone.		Pyrite		
5120	5130	Dark grey			Shale	Shale dark grey, fissile, slightly micromicaceous in part with minor siltstone, medium grey, fair sorting, argillaceous in part, micaceous in part, hard.				
5130	5140	Dark grey			Shale	Shale as above with minor black, bituminous, pyritic shale. Minor siltstone as above. Minor sandstone light to medium grey, fine to very fine grained to silty, poorly sorted, argillaceous, tight, hard. Trace light brown ironstone. Trace anhydrite.		Pyrite		
5140	5150	Dark grey to black			Shale	Shale dark grey, fissile, slightly micromicaceous with black, sooty, bituminous shale. Minor siltstone and sandstone as above. Trace pyrite, trace gypsum.		Pyrite		
5150	5160	Dark grey to black			Shale	Shale dark grey, fissile, slightly micromicaceous with interbedded black, sooty, pyritic in part, bituminous shale. Minor siltstone and sandstone as above.		Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5160	5170	Dark grey to black			Shale	As above with trace of gypsum and anhydrite.				
5170	5180	Dark grey to black			Shale	Shale dark grey to black, fissile in part, sooty, compact, hard, very pyritic in part, with minor siltstone medium grey to greenish-grey, fair sorting, hard, micaceous in part, argillaceous in part. Trace ironstone.		Pyrite		
5180	5190	Dark grey to black			Shale	As above.		Pyrite		
5190	5200	Dark grey to black			Shale	Shale dark grey to black, fissile in part, bituminous in part, compact, hard, pyritic in part, with minor siltstone as above.		Pyrite		
5200	5210	Dark grey to black			Shale	As above.		Pyrite		
5210	5220	Dark grey to black			Shale	As above with trace of fine to very fine grained, tight, argillaceous sandstone.		Pyrite		
5220	5230	Dark grey to black			Shale	Shale as above with interbedded siltstone, light to medium grey, fair to poor sorting, hard, argillaceous in part, micaceous in part. Trace limestone buff to light brown to medium brown, sucrosic, dense, tight, earthy in part, very silty in part, argillaceous in part, soft, very slightly pyritic in part, no cut, stain, odour or fluorescence, trace fossil fragment. Trace ironstone.		Pyrite	Trace	Ramparts Shales Member? at 5228
5230	5240	Dark grey to black			Shale	Shale dark grey to black, fissile in part, bituminous in part, hard, pyritic in part, with trace of bituminous partings. Interbedded limestone, medium to dark brown to buff, sucrosic, dense, tight, hard to soft, earthy in part, silty, argillaceous in part, pyritic in part, fossiliferous. Minor siltstone as above (cavings?)		Pyrite	Trace	

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5240	5250	Dark grey to black			Shale	Shale as above with interbedded limestone as above, microcrystalline in part.		Pyrite	Trace	
5250	5260				Shale & Limestone	Shale as above with interbedded limestone light to dark brown to buff, sucrosic, dense to microcrystalline, tight, hard, very silty in part, argillaceous in part, fossiliferous.		Pyrite	Trace	
5260	5270				Shale & Limestone	Shale as above, very bituminous in part, with interbedded limestone as above, earthy in part, pyritic in part.		Pyrite	Trace	
5270	5280	Medium to dark brown		Dense to Micro-crystalline	Limestone	Limestone medium to dark brown, dense to microcrystalline, argillaceous, very shaly in part, tight, hard, tough, pyritic in part, fossiliferous, with interbedded shale dark grey to black, fissile, bituminous in part, slightly calcareous, minor soft, marly light grey to buff limestone. Trace white, finely crystalline, tight limestone.	Tight	Pyrite	Trace	
5280	5290	Medium to dark brown		Dense to microcrystal-line	Limestone	As above.	Tight	Pyrite	Trace	
5290	5300	Medium to dark brown		Dense to microcrystal-line	Limestone	As above with soft, marly, tight, fossiliferous, light brown to buff, limestone becoming more abundant.	Tight	Pyrite	Trace	
5300	5310	Light grey to buff		Dense	Limestone	Limestone light grey to buff, dense, tight, marly, soft, argillaceous in part, fossiliferous with interbedded shale as above. Minor medium to dark brown, dense to microcrystalline, argillaceous limestone as above.	Tight	Pyrite	Trace	
5310	5320	Medium to dark brown		Dense to microcrystal-line	Limestone	Limestone medium to dark brown, dense to microcrystalline, argillaceous, shaly in part, tight, hard, tough, bituminous in part, pyritic in part, fossiliferous with interbedded shale, dark grey to black, fissile, bituminous, pyritic,				

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5310	5320	Continued				Slightly calcareous, minor marly limestone as above.	Tight	Pyrite	Trace	
5320	5330	Medium to dark brown		Dense to Micro-crystalline	Limestone	As above.	Tight	Pyrite	Trace	
5330	5340	Light grey to buff		Dense	Limestone & Shale	Limestone light grey to buff, dense, tight, marly, soft, shaly in part, fossiliferous, slightly pyritic in part with interbedded shale, dark grey to black, fissile in part, bituminous in part, pyritic in part, slightly calcareous. Minor dense to micro-crystalline, hard, medium to dark brown limestone as above.	Tight	Pyrite	Trace	
5340	5350	Light grey to buff		Dense	Limestone & Shale	As above.	Tight	Pyrite	Trace	
5350	5360	Medium to dark brown		Dense to Micro-crystalline	Limestone & Shale	Limestone medium to dark brown, dense to microcrystalline, argillaceous, shaly in part, tight, hard, tough, bituminous in part, slightly pyritic in part, fossiliferous with interbedded shale as above. Minor marly limestone as above. Trace of white finely crystalline, tight limestone.	Tight	Pyrite	Trace	
5360	5370	Medium to dark brown		Dense to micro-crystalline	Limestone & Shale	As above.	Tight	Pyrite	Trace	
5370	5380	Medium to dark brown		Dense to micro-crystalline	Limestone & Shale	As above.	Tight	Pyrite	Trace	
5380	5390	Medium to dark brown		Dense to micro-crystalline	Limestone & Shale	Limestone medium to dark brown, dense to microcrystalline, shaly in part, bituminous in part, tight, hard, tough, fossiliferous with interbedded shale, dark grey to black, bituminous in part,	Tight	Pyrite	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5380	5390	Continued				fissile, pyritic in part with interbedded limestone, light grey to buff, dense, tight, marly, fossiliferous, soft.	Tight	Pyrite	Trace	
5390	5400	Medium to dark brown		Dense to micro-crystalline	Limestone & Shale	As above.	Tight	Pyrite	Trace	
5400	5410	Medium to dark brown		Dense to micro-crystalline	Limestone & Shale	As above dark to medium brown limestone pyritic in part.	Tight	Pyrite	Trace	
5410	5420	Medium to dark brown		Dense to micro-crystalline	Limestone & Shale	As above.	Tight	Pyrite	Trace	
5420	5430	Dark grey to black			Shale	Shale dark grey to black, fissile, bituminous in part, hard, pyritic in part, with interbedded limestone as above.		Pyrite	Trace	
5430	5440	Dark grey to black			Shale	Shale as above with interbedded limestone as above. Limestone becoming more abundant. Trace white to light grey, medium crystalline, tight limestone.		Pyrite	Trace	
5440	5450				Shale & Limestone	Limestone medium to dark brown, dense to microcrystalline, very shaly in part, bituminous in part, tight, hard, tough, fossiliferous, very slightly pyritic in part, with interbedded shale as above. Interbedded light grey, dense, tight, soft, fossiliferous, slightly pyritic marly limestone. Trace buff, speckled very shaly limestone. Trace calcite-filled fractures.	Tight	Pyrite Calcite	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5450	5460	Dark grey to black			Shale	Shale dark grey to black, very bituminous in part, fissile in part, pyritic in part, with interbedded limestone as above.	Tight	Pyrite	Trace	
5460	5470	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone medium to dark brown, dense to microcrystalline, shaly in part, bituminous in part, tight, hard, tough, fissile, trace of vugular porosity infilled with bitumen and calcite with interbedded shale as above. Minor marly limestone as above.	Tight	Pyrite Calcite	Trace	
5470	5480	Medium to dark brown		Dense to micro-crystalline	Limestone	As above with trace of white, medium crystalline, tight limestone.	Tight	Pyrite Calcite	Trace	
5480	5490	Dark grey to black			Shale	Shale dark grey to black, very bituminous in part, fissile in part, pyritic in part, with interbedded limestone, light grey, dense, tight, marly, soft, fossiliferous. Minor dense to microcrystalline, hard, brown limestone as above. Trace white medium crystalline, tight limestone.	Tight	Pyrite	Trace	
5490	5500				Shale & Limestone	Shale as above with interbedded limestone medium to dark brown, dense to micro-crystalline, shaly in part, bituminous in part, tight, hard, tough, fossiliferous. Minor marly limestone as above. Trace pyrite. Trace medium crystalline, tight, white limestone.	Tight	Pyrite	Trace	
5500	5510				Shale & Limestone	As above.	Tight	Pyrite	Trace	
5510	5520				Shale & Limestone	Shale as above with interbedded limestone medium to dark brown, dense to micro-crystalline, shaly in part, bituminous in part, tight, hard, fossiliferous, slightly pyritic in part. Minor limestone, light grey, dense, tight, marly, soft, fossiliferous				

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5510	5520	Continued				shaly in part, slightly pyritic in part, trace calcitefilled fractures.	Tight	Pyrite Calcite	Trace	
5520	5530				Shale & Limestone	As above. Trace of white, medium crystalline, tight limestone.	Tight	Pyrite Calcite	Trace	
5530	5540				Shale & Limestone	Shale dark grey to black, bituminous in part, fissile in part, pyritic in part, with interbedded dense to micro-crystalline limestone as above. Minor soft, marly limestone as above.	Tight	Pyrite	Trace	
5540	5550	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone medium to dark brown dense to microcrystalline, shaly in part, bituminous in part, tight, hard, fossiliferous in part with interbedded shale as above. Trace of marly limestone as above. Trace calcite-filled fractures. Trace pyrite.	Tight	Pyrite Calcite	Trace	
5550	5560				Shale & Limestone	Interbedded shale and limestone as above. Trace marly limestone as above. Trace of calcite-filled fractures.	Tight	Calcite	Trace	
5560	5570	Dark grey to black			Shale	Shale dark grey to black, bituminous in part, fissile in part, slightly pyritic in part, with interbedded dense to micro-crystalline, shaly, hard, tight limestone as above. Trace of soft, marly limestone as above. Trace calcite-filled fractures.	Tight	Calcite Pyrite	Trace	
5570	5580	Dark grey to black			Shale	As above.	Tight	Calcite Pyrite	Trace	
5580	5590	Medium brown		Dense	Limestone	Limestone medium brown, dense, shaly in part, bituminous in part, tight, hard, fossiliferous in part, very slightly pyritic in part with interbedded shale as above. Minor light grey, dense, tight, soft, marly limestone. Trace pyrite.	Tight	Pyrite	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5590	5600	Medium brown		Dense	Limestone	Limestone medium brown, dense, tight, marly, with interbedded shale as above. Common medium to dark brown, dense to microcrystalline, tight, hard limestone. Trace of soft, slightly grey, marly limestone. Trace calcite-filled fractures. Trace pyrite.	Tight	Calcite Pyrite	Tight	
5600	5610	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone medium to dark brown, dense to microcrystalline, shaly, bituminous in part, tight, hard, with interbedded shale, dark grey to black, fissile in part, bituminous in part. Minor light grey, soft, fossiliferous, marly limestone. Trace calcite-filled fractures.	Tight	Calcite	Tight	
5610	5620	Buff to medium brown		Dense	Limestone	Limestone buff to medium brown, dense, tight, hard, trace of vugular porosity filled by finely crystalline calcite. Minor light grey, soft, fossiliferous, marly limestone. Trace calcite-filled fractures. Trace pyrite.	Tight	Calcite Pyrite	Trace	Ramparts Limestone Member?at 5610.
5620	5630	Buff to medium brown		Dense	Limestone	Limestone as above with minor dark brown to black, dense, tight, bituminous limestone. Minor light grey, soft, fossiliferous marly limestone. Trace calcite-filled fractures. Trace pyrite.	Tight	Calcite Pyrite	Trace	
5630	5640	Buff to medium brown		Dense	Limestone	As above.	Tight	Calcite Pyrite	Trace	
5640	5650	Buff to medium brown		Dense	Limestone	Limestone buff to medium brown, dense, tight, hard, slightly silty in part, with minor light grey, soft, fossiliferous, marly limestone. Trace calcite-filled fractures.	Tight	Calcite	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5650	5660				Limestone & Shale	Limestone as above with interbedded shale, dark grey to black, bituminous in part, calcareous, very slightly pyritic in part. Common light grey, marly limestone as above.	Tight		Trace	
5660	5670	Dark brown to black		Dense to micro-crystalline	Limestone	Limestone dark brown to black, dense to microcrystalline, shaly in part, silty, tight, bituminous, hard, trace of vugular porosity filled by finely crystalline calcite. Minor buff to medium brown limestone as above. Minor light grey, marly limestone as above. Trace pyrite.	Tight	Calcite Pyrite	Trace	
5670	5680	Dark brown to black		Dense to micro-crystalline	Limestone	As above with abundant buff to medium brown limestone as above. Trace calcite veinlets.	Tight	Calcite	Trace	
5680	5690				Limestone & Shale	Limestone buff to medium brown, dense, tight, silty, hard, with interbedded shale dark grey to black, fissile in part, bituminous in part. Minor limestone light grey, dense, tight, fossiliferous, marly, soft. Trace calcite.	Tight	Calcite	Trace	
5690	5700				Limestone & Shale	As above with trace of pyritic shale.	Tight	Pyrite Calcite	Trace	
5700	5710	Light grey to buff		Dense	Limestone	Limestone light grey to buff, dense, tight, fairly hard, appears marly, silty trace of vugular porosity filled by bitumen, with minorbuff to medium brown limestone as above. Minor shale as above.	Tight		Trace	
5710	5720	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone medium to dark brown, dense to micro-crystalline, tight, silty, hard, shaly in part, trace of vugular porosity filled by finely crystalline calcite. Very poor sample - abundant cavings. See Core No. 3.	Tight	Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5720	5730	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone as above with minor black, very calcareous shale. Trace of calcite veinlets.	Tight	Calcite		
5730	5740	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone as above, fossiliferous in part, with minor limestone, buff to medium brown, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite		
5740	5750	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone medium to dark brown, dense to microcrystalline, tight, silty, very shaly in part, trace of vugular porosity, filled by finely crystalline calcite. Minor black, very calcareous shale. Minor limestone buff to greenish-grey, dense, tight, fairly hard, appears marly. Trace calcite-filled fractures.	Tight	Calcite		
5750	5760	Medium to dark brown		Dense to micro-crystalline	Limestone	As above.	Tight	Calcite		
5760	5770	Medium to dark brown		Dense to micro-crystalline	Limestone	Limestone as above, bituminous in part, very slightly pyritic in part, with common light grey, dense, tight, fossiliferous, soft limestone. Trace calcite-filled fractures.	Tight	Calcite Pyrite	Trace	
5770	5780	Medium to dark brown		Dense to micro-crystalline	Limestone	As above. Abundant Shale cavings?	Tight	Pyrite Calcite	Trace	
5780	5790	Buff to light brown		Dense	Limestone	Limestone buff to light brown, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite		
5790	5800	Buff to light brown		Dense	Limestone	Limestone as above with minor light grey, dense, tight, fossiliferous, soft limestone.	Tight		Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5800	5810	Buff to light brown		Dense	Limestone	Limestone buff to light brown, dense, tight, hard with minor white to light grey, dense, tight, pyritic in part, fossiliferous, soft limestone. Trace of calcite-filled fractures.	Tight	Calcite Pyrite	Trace	
5810	5820	Buff to light brown		Dense	Limestone	as above with common medium to dark brown, dense to microcrystalline, silty, tight, hard limestone.	Tight	Calcite Pyrite	Trace	
5820	5830	Medium to dark brown		Dense	Limestone	Limestone medium to dark brown, dense to microcrystalline, silty, shaly in part, tight, hard, with minor light grey, dense, tight, pyritic in part, fossiliferous, soft limestone. Trace of calcite-filled fractures.	Tight	Calcite Pyrite	Trace	
5830	5840	Medium to dark brown		Dense to micro-crystalline	Limestone	Silty, argillaceous in part, tight. Minor soft, fossiliferous, tight, light grey, marly limestone.	Tight		Trace	
5840	5850	Medium to dark grey		Dense to micro-crystalline	Limestone	very silty, tight, hard, sucrosic texture with minor limestone as above.	Tight		Trace	
5850	5860	Dark brown to dark grey		Dense to micro-crystalline	Limestone	very silty, argillaceous in part, tight, sucrosic texture, with interbedded limestone, light grey to buff, dense to microcrystalline, tight, silty, fairly hard, fossiliferous.	Tight		Trace	
5860	5870	Dark brown to dark grey		Dense to micro-crystalline	Limestone	Limestone as above with trace of vugular porosity filled by finely crystalline calcite. Trace fractures filled by calcite. Minor light grey to buff limestone as above.	Tight	Calcite	Trace	
5870	5880	Dark brown to dark grey		Dense to micro-crystalline	Limestone	silty, argillaceous in part, tight, bituminous in part, sucrosic texture with interbedded limestone light grey to buff, dense to microcrystalline, tight, silty in part, fairly hard, soft and earthy in part.	Tight		Trace	

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5880	5890	Dark brown		Dense	Limestone	silty, argillaceous in part, tight with minor limestone as above. Trace calcite filled fractures.	Tight	Calcite	Trace	
5890	5900	Buff to medium brown		Dense	Limestone	hard, tight, silty, slightly argillaceous, with minor dark brown, dense to micro-crystalline limestone as a bove. Trace light grey, soft, chalky limestone.	Tight			
5900	5910	Brownish-grey		Dense to micro-crystalline	Limestone	very silty, hard, tight, sucrosic texture, with minor limestone light grey to buff; dense tight, argillaceous in part, fairly hard, earthy in part, fossiliferous. Trace calcite-filled fractures.	Tight	Calcite	Trace	
5910	5920	Buff to dark brown		Dense	Limestone	argillaceous in part, slightly silty, microcrystalline in part, hard, tight, bituminous in part, with minor light grey to buff limestone as above. Abundant shale, probably cavings?	Tight		Trace	
5920	5930	Brownish-grey		Dense to micro-crystalline	Limestone	very silty, hard, tight, sucrosic, with minor buff to dark brown limestone as above. Minor limestone light grey, dense to microcrystalline, very silty in part, tight, fairly hard, earthy in part, fossiliferous in part.	Tight		Trace	
5930	5940	Brownish-grey		Dense to micro-crystalline	Limestone	As above.	Tight		Trace	
5940	5980	Buff to dark brown		Dense	Limestone	hard, tight, silty, trace of vugular porosity, filled by finely crystalline calcite, with minor very silty limestone as above. Minor limestone light grey to buff, dense to microcrystalline, sucrosic, tight, fairly hard, fossiliferous in part. Trace calcite filled fractures.	Tight	Calcite	Trace	

Drilled		Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
From	To									
5950	5960	Buff to dark brown		Dense	Limestone	As above.	Tight	Calcite	Trace	
5960	5970	Medium to dark brown		Dense to micro-crystalline	Limestone	tight, hard, silty with interbedded limestone, light grey to buff, dense to micro-crystalline, tight, silty, fairly soft, fossiliferous in part, earthy in part. Minor limestone brownish-grey, dense to microcrystalline, tight, very silty, hard, sucrosic texture. Common calcite-filled fractures.	Tight	Calcite	Trace	
5970	5980	Medium to dark brown		Dense to microcrystalline	Limestone	As above.	Tight	Calcite	Trace	
5980	5990	Brownish-grey		Dense to microcrystalline	Limestone	very silty, hard, tight, sucrosic texture, very slightly pyritic with interbedded limestone medium to dark brown, dense to microcrystalline, tight, silty, hard. Minor light grey to buff limestone as above.	Tight	Calcite Pyrite	Trace	
5990	6000	Brownish-grey		Dense to microcrystalline	Limestone	as above with interbedded limestone buff to medium brown, dense, tight, hard, silty.	Tight	Calcite Pyrite	Trace	
6000	6010	Brownish-grey		Dense to microcrystalline	Limestone	very silty, hard, tight, sucrosic texture in part, with minor limestone buff to medium brown, dense, tight, hard, silty, trace of vugular porosity filled by finely crystalline calcite. Minor limestone light grey, dense to micro-crystalline, tight, silty, fairly hard, earthy in part. Trace fractures.	Tight	Calcite		
6010	6020	Buff to dark brown		Dense	Limestone	microcrystalline in part, tight, hard, silty in part, with minor brownish-grey, very silty limestone as above. Minor light grey limestone as above, fossiliferous in part, trace fractures.	Tight	Calcite	Trace	

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Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6020	6030	Medium to dark brown		Dense to micro-crystalline	Limestone	silty, tight, hard, with interbedded limestone, brownish-grey, dense, tight, very silty, hard, appears cherty, trace of vugular porosity, filled by finely crystalline calcite. Trace calcite-filled fractures.	Tight	Calcite		
6030	6040	Buff to dark brown		Dense	Limestone	microcrystalline in part, tight, hard, silty in part, with interbedded limestone, brownish-grey, dense to microcrystalline, very silty, hard, tight, sucrosic texture. Minor greenish-grey limestone, dense, tight, very silty, hard, appears cherty. Trace fractures.	Tight	Calcite		
6040	6050	Medium grey		Dense to micro-crystalline	Limestone	very silty, tight, hard, sucrosic texture, pyritic in part, with minor buff to medium brown, dense, tight, hard, silty limestone. Trace calcite-filled fractures.	Tight	Pyrite Calcite		
6050	6060	Medium to dark brown		Dense	Limestone	microcrystalline in part, tight, hard, very silty, argillaceous in part, bituminous in part with interbedded limestone, white to light grey, dense to microcrystalline, tight, soft with fairly hard, slightly silty, earthy in part, fossiliferous in part. Trace calcite veinlets.	Tight	Calcite	Trace	
6060	6070	Medium to dark brown		Dense	Limestone	As above.	Tight	Calcite	Trace	
6070	6080	Buff to medium brown		Dense	Limestone	tight, hard, slightly silty, with minor limestone as above.	Tight	Calcite	Trace	
6080	6090	Dark brown		Dense to micro-crystalline	Limestone	very silty, hard, tight, sucrosic in part, with minor limestone, buff to medium brown, dense, tight, hard, slightly silty, trace calcite filled fractures.	Tight	Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6090	6100	Dark Brown		Dense to microcrystalline	Limestone	as above with minor light grey to greenish-grey limestone, dense to microcrystalline, very silty, very hard, tight. Trace calcite-filled fractures.	Tight	Calcite		
6100	6110	Medium to dark brown		Dense to micro-crystalline	Limestone	tight, silty, hard, slightly pyritic in part, trace of vugular porosity filled by finely crystalline calcite, very slightly pyritic in part.	Tight	Calcite Pyrite		
6110	6120	Dark brown		Dense	Limestone	tight, silty in part, argilleceous in part, hard, with minor limestone as above. Trace light brown to buff, dense, very silty, very hard limestone.	Tight	Calcite Pyrite		
6120	6130	Buff to light brown		Dense	Limestone	tight, hard, slightly silty with minor dark brown limestone as above.	Tight	Calcite Pyrite		
6130	6140	Buff to light brown		Dense	Limestone	microcrystalline in part, tight, hard, silty, sucrosic texture in part.	Tight			
6140	6150	Buff to light brown		Dense	Limestone	as above, pyritic in part, trace of inter-crystalline porosity, NCSOF.	Trace	Pyrite		
6150	6160	Light to medium grey		Dense to micro-crystalline	Dolomite	tight, hard, silty, grading to a very fine grained, silty, dolomitic sandstone with traces of pinpoint porosity. NCSOF. Minor limestone as above.	Trace			
6160	6170	Buff		Dense to microcrystalline	Dolomite	tight, hard, slightly silty with scattered filled microvugular porosity with dolomite as above.	Tight			
6170	6180	Light grey to buff		Dense	Dolomite	microcrystalline in part, tight, hard, silty.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6180	6190	Light grey to buff		Dense	Dolomite	As above.	Tight			
6190	6200	Light grey to buff		Dense	Dolomite	as above with interbedded dolomite, medium to dark brown, dense to micro-crystalline, tight, very silty in part, hard.	Tight			
6200	6210	Medium to dark grey		Dense to micro-crystalline	Dolomite	tight, hard, very silty, grading to a very fine grained, silty, dolomitic sandstone in part, with interbedded light grey to buff, silty dolomite as above. Trace of limestone, white to light grey, dense, soft, chalky.	Tight			
6210	6220	Light grey to buff		Dense to micro-crystalline	Limestone	granular in part, tight, fairly hard, earthy in part, slightly argillaceous in part, with minor limestone, dark grey, dense to microcrystalline, tight, hard, silty. Minor dolomite as above, trace fossils. Trace pyrite.	Tight	Pyrite	Trace	
6220	6230	Medium to dark grey		Dense to micro-crystalline	Limestone	tight, silty in part, with minor light grey to buff limestone as above. Trace white, soft, chalky limestone.	Tight			
6230	6240	Medium to dark grey		Dense to micro-crystalline	Limestone	As above.	Tight			
6240	6250	Medium to dark grey		Dense to micro-crystalline	Limestone	tight, silty, fairly hard, with interbedded light grey to buff limestone, dense to microcrystalline, tight, granular in part, soft with fairly hard, silty in part, fossiliferous, argillaceous in part. Trace white to light grey, soft, dense, chalky limestone.	Tight		Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6250	6260	Medium to dark grey		Dense to micro-crystalline	Limestone	As above.	Tight		Trace	
6260	6270	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty, soft with marly, hard, earthy in part, granular in part, fossiliferous in part, with interbedded medium to dark grey limestone as above. Trace limestone, white, dense, soft, tight, chalky, argillaceous in part.	Tight		Trace	
6270	6280	Light to medium grey		Dense to microcrystalline	Limestone	As above.	Tight		Trace	
6280	6290	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty, sandy in part, soft with fairly hard, earthy in part, fossiliferous in part, minor limestone, white, dense, soft, tight, chalky, argillaceous in part.	Tight	Quartz	Trace	
6290	6300	Light to medium grey		Dense to micro-crystalline	Limestone	As above.	Tight	Quartz	Trace	
6300	6310	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty, sandy, soft with fairly hard, earthy in part, fossiliferous in part. On dissolving, the sand consists of long, angular, finely crystalline quartz crystals. Interbedded with limestone, white, dense, tight, soft, chalky, slightly argillaceous in part. Trace white to light grey, fine to medium crystalline, tight limestone.	Tight	Quartz	Trace	
6310	6320	Light to medium grey		Dense to micro-crystalline	Limestone	Limestone as above with minor white, dense, soft, chalky limestone as above. Trace white to light grey, fine to medium crystalline, tight limestone.	Tight	Quartz	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6320	6330	Light to medium grey		Dense to micro-crystalline	Limestone	as above with common limestone, white to light grey, fine to medium crystalline, tight, trace pyrite.	Tight	Quartz Pyrite	Trace	
6330	6340	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty, sandy, argillaceous in part, soft with fairly hard, earthy in part. Sand consists of long, angular, finely crystalline quartz crystals. Trace soft, dense, chalky limestone. Trace of white fine to medium crystalline, tight limestone. Trace fossils.	Tight	Quartz	Trace	
6340	6350	Light to medium grey		Dense to micro-crystalline	Limestone	As above.	Tight	Quartz	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6350	6360	Light to med.grey		Dense to micro-crystalline	Limestone	tight, silty, slightly argillaceous in part, soft with fairly hard, fossiliferous in part, earthy in part, with minor soft, dense, tight, chalky limestone.	Tight		Trace	
6360	6370	Light to medium grey		Dense to micro-crystalline	Limestone	Limestone as above, sandy in part, consisting of long, angular, finely crystalline quartz crystals. Minor soft, dense, chalky limestone. Trace of white to light grey, fine to medium crystalline, tight limestone.	Tight	Quartz	Trace	
6370	6380	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty, slightly argillaceous in part, soft with fairly hard, earthy in part, trace fossils, with minor soft, dense, chalky limestone.	Tight		Trace	
6380	6390	Light to medium grey		Dense to micro-crystalline	Limestone	As above with trace of white to light grey, fine to medium crystalline, tight limestone.	Tight		Trace	
6390	6400	Light to medium grey		Dense to micro-crystalline	Limestone	As above with trace of calcite-filled fractures.	Tight	Calcite	Trace	
6400	6410	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty in part, slightly argillaceous in part, soft with fairly hard, earthy in part, trace fossiliferous, with common limestone dark grey to brownish-grey, dense to microcrystalline, tight, hard, slightly silty, slightly argillaceous in part. Trace soft, dense, chalky limestone.	Tight		Trace	
6410	6420	Light to medium grey		Dense to micro-crystalline	Limestone	As above.	Tight		Trace	
6420	6430	Light to medium grey		Dense to micro-crystalline	Limestone	tight, slightly silty, slightly argillaceous in part, soft to fairly hard, earthy in part, trace fossiliferous with common soft, dense, chalky limestone.	Tight		Trace	

Depth Feet From	Depth Feet To	Main Color	Accessories	Texture and Grain Size	Main Rock Type	Description	Porosity	Mineralization	Fossils	Formation Top
6420	6430	Continued				Minor dark grey to brownish-grey, dense to microcrystalline, tight, hard, slightly silty limestone.				
6430	6440	Dark brown to brownish-grey		Dense to micro-crystalline	Limestone	tight, hard, slightly silty with interbedded light to medium grey limestone as above.	Tight		Trace	
6440	6450	Light to medium grey		Dense to micro-crystalline	Limestone	tight, slightly silty, slightly argillaceous in part, soft with fairly hard, earthy in part, trace fossils with interbedded dark grey to brownish-grey limestone as above. Trace white fine to medium crystalline, tight limestone.	Tight		Trace	
6450	6460	Light to medium grey		Dense to micro-crystalline	Limestone	As above.	Tight		Trace	
6460	6470	Light to medium grey		Dense to micro-crystalline	Limestone	As above.	Tight		Trace	
6470	6480	Light to medium grey		Dense to micro-crystalline	Limestone	tight, silty in part, slightly argillaceous in part, soft with fairly hard, earthy in part, with minor dark grey limestone as above. Trace calcite-filled fractures. Trace white, dense, tight, chalky limestone.	Tight	Calcite		
6480	6490	Dark grey to dark brown		Dense	Limestone	microcrystalline in part, tight, hard, slightly silty, argillaceous in part with interbedded light to medium grey limestone as above. Trace white, dense, soft, chalky limestone. Trace calcite-filled fractures. Trace fossils.	Tight	Calcite	Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formations
6490	6500	Dark grey t. dark brown		Dense	Limestone	microcrystalline in part, tight, hard, slightly silty, argillaceous in part, slightly pyritic in part, with interbedded limestone, light to medium grey, dense to microcrystalline, tight, silty in part, slightly argillaceous, soft with fairly hard, earthy in part, trace fossils, trace white, fine to medium crystalline, tight limestone.	Tight	Pyrite	Trace	
6500	6510	Dark grey to dark brown		Dense	Limestone	As above with trace of calcite-filled fractures.	Tight	Calcite Pyrite	Trace	
6510	6520	Light to medium grey		Dense	Limestone	microcrystalline in part, silty, tight, granular in part, soft with fairly hard, earthy in part, with minor dark grey to dark brown limestone as above. Trace white to fine to medium crystalline tight limestone. Trace pyrite. Trace fossils.	Tight	Pyrite	Trace	
6520	6530	Light to medium grey		Dense	Limestone	As above.	Tight	Pyrite	Trace	
6530	6540	Light to medium grey		Dense	Limestone	as above with minor interbedded dark grey to dark brown limestone as above. Trace calcite-filled fractures. Trace pyrite. Trace fossils.	Tight	Pyrite Calcite	Trace	
6540	6550	Medium to dark grey		Dense to micro-crystalline	Limestone	tight, hard, silty with trace limestone, buff to light brown, dense, tight, hard, silty, trace calcite-filled fractures.	Tight	Calcite		
6550	6560	Medium to dark grey		Dense to micro-crystalline	Limestone	Limestone as above with interbedded light brown to buff limestone as above. Trace pyrite, trace fossils.	Tight	Pyrite	Trace	
6560	6570	Light to to buff		Dense	Limestone	micro-crystalline in part, tight, silty, with interbedded medium to dark grey as above. Minor limestone, light grey, dense, tight, slightly silty, soft, fossiliferous.	Tight	Calcite	Trace	

(continued)

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6560	6570	Continued				Trace calcite-filled fractures. Trace pyrite.	Tight	Calcite	Trace	
6570	6580	Light brown to buff		Dense	Limestone	As above, limestone granular in part.	Tight	Calcite Pyrite	Trace	
6580	6590	Dark grey		Dense to micro-crystalline	Limestone	granular in part, tight, hard, silty with interbedded light buff to brown, granular limestone as above. Trace fossils.	Tight		Trace	
6590	6600	Medium to dark grey		Dense to micro-crystalline	Limestone	granular in part, dolomitic in part, tight, hard, silty with trace of light to dark brown, dense, tight, hard limestone. Trace calcite-filled fractures. Trace white, fine to medium crystalline, tight limestone.	Tight	Calcite		
6600	6610	Medium to dark grey		Dense to micro-crystalline	Limestone	granular in part, dolomitic in part, tight, hard, silty with common limestone buff to brown, dense, hard, tight, silty in part. Trace white, dense, soft, tight, chalky limestone. Trace pyrite.	Tight	Pyrite		
6610	6620	Medium to dark grey		Dense to micro-crystalline	Limestone	As above.	Tight	Pyrite		
6620	6630	Light grey to buff		Dense to micro-crystalline	Limestone	granular in part, dolomitic in part, tight, hard, slightly silty with interbedded medium to dark grey limestone as above. Trace calcite-filled fractures.	Tight	Calcite		
6630	6640	Medium grey		Dense to micro-crystalline	Limestone	granular in part, dolomitic in part, tight hard, silty, argillaceous in part with common limestone buff to medium brown, dense, tight, hard, silty. Trace limestone white, dence, soft, tight, chalky. Trace pyrite. Trace calcite-filled fractures.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6640	6650	Buff to light brown		Dense to micro-crystalline	Limestone	graular in part, dolomitic in part, trace of micro vugular porosity, hard, silty, NCSOF, with minor limestone, buff to medium brown, dense, tight, hard, silty. Minor medium to dark grey limestone as above. Trace calcite-filled fractures. Trace pyrite.	Trace	Calcite Pyrite		
6650	6660	Buff to light brown		Dense to micro-crystalline	Limestone	granular in part, dolomitic in part, trace of microgranular porosity, hard, silty, very slightly pyritic in part, NCSOF, with interbedded limestone, medium to dark grey, dense to microcrystalline, tight, silty, hard, dolomitic in part, 2-3 foot drilling break.	Trace	Pyrite		
6660	6670	buff to light brown		Dense to micro-crystalline	Limestone	as above with common limestone, buff to dark brown, dense, hard, tight, silty. Trace white, fine to medium crystalline, tight, hard limestone. Trace fractures.	Trace	Pyrite Calcite		
6670	6680	Buff to light brown		Dense	Limestone	hard, tight, slightly silty with interbedded limestone, dark grey, dense to microcrystalline, tight, granular in part, dolomitic in part, tight, silty, hard. Minor limestone, dark grey to dark brown, dense, tight, hard, slightly silty. Trace fossils. Trace white, fine to medium crystalline, tight, hard limestone. Trace pyrite.	Tight	Pyrite	Trace	
6680	6690	Buff to light brown		Dense to micro-crystalline	Limestone	granular in part, dolomitic in part, fair microvugular porosity, hard, slightly silty, NCSOF, with minor dark grey, silty, dolomitic, dense to micro-crystalline, tight limestone. Minor buff to dark brown, dense, hard, tight, silty limestone. Trace fossils. Trace calcite. 8-10 foot drilling break.	Fair	Calcite	Trace	

R.O.C. ET AL POINT SEPARATION NO. 1
67°34'0" N.Lat., 134°00'10" W.Long.
Northwest Territories

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6690	6700	Light to medium grey		Fine to micro-crystalline	Dolomite	granular, calcareous in part, hard, fair microvugular porosity, trace intercrystalline porosity, slightly silty, NCSOF, with minor buff to dark brown, dense, hard, tight, silty limestone. Trace limestone, white, dense, tight, soft, chalky.	Fair			
6700	6710	Buff to light brown		Dense to micro-crystalline	Dolomite	granular in part, calcareous in part, good vugular porosity, slightly silty, hard, NCSOF.	Good			
6710	6720	Medium to dark grey		Dense to finely crystalline	Dolomite	granular in part, fair to good vugular porosity, slightly silty, slightly argillaceous, calcareous in part, with interbedded light brown to buff, dolomite as above. NCSOF. Common limestone, light to medium brown, dense, hard, tight, slightly silty. Trace soft, white, chalky limestone. Trace porosity.	Fair to Good	Pyrite		
6720	6730	Buff to light brown to medium brown		Dense	Limestone	hard, tight, slightly silty with interbedded, medium to dark grey dolomite as above with good vugular porosity. Minor light brown to buff dolomite as above. Trace pyrite.	Tight	Pyrite		
6730	6740	Light grey to buff		Dense to micro-crystalline	Dolomite	granular in part, fair vugular porosity, hard, slightly silty with minor buff to light brown limestone as above. Minor dark brown to dark grey, dense, tight, hard limestone.	Fair			
6740	6750				Dolomite & Limestone	Dolomite as above with poor vugular porosity interbedded with limestone buff to dark brown, dense, tight, hard, silty in part, trace white, dense, tight, soft chalky limestone.	Poor			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6750	6760	Light grey to buff		Dense to micro-crystalline	Dolomite	granular in part, trace vugular porosity, fairly hard, slightly silty, calcareous with interbedded limestone buff to medium brown, dense, tight, hard, slightly silty. Minor medium to dark grey, dolomite as above. Trace white, dense, tight, soft, chalky limestone, fossiliferous in part. Trace pyrite.	Trace	Pyrite	Trace	
6760	6770	Light grey to buff		Dense to micro-crystalline	Dolomite	Dolomite as above with interbedded dark grey dolomite, dense to microcrystalline, trace poor pinpoint porosity, silty, argillaceous in part, calcareous. Minor buff to medium brown limestone as above.	Trace			
6770	6780	Medium to dark grey		Dense to finely crystalline	Dolomite	granular in part, fair vugular porosity, poor intercrystalline porosity, hard, silty, calcareous, NCSOF. Minor light grey to buff dolomite as above. Minor buff to medium brown, dense, hard, tight, silty limestone. Trace calcite-filled fractures.	Fair	Calcite		
6780	6790	Medium to dark grey		Dense to finely crystalline	Dolomite	As above with trace of pyrite.	Fair	Pyrite Calcite		
6790	6800	Medium to dark grey		Micro-crystalline to finely crystalline	Dolomite	granular in part, fair to good vugular porosity, minor intercrystalline porosity, hard, slightly silty, slightly calcareous, NCSOF. Vugs filled in part by fine to medium crystalline dolomite crystals. Trace light grey to buff dolomite as above. Trace light brown, dense, hard, slightly silty limestone.	Fair to good			
6800	6810	Medium to dark grey		Dense to finely crystalline	Dolomite	granular in part, poor vugular porosity, trace intercrystalline porosity, hard, slightly pyritic in part, with common light grey to buff dolomite, dense to micro-	Poor	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6800	6810	Continued				crystalline, granular in part, trace vugular porosity, fairly hard, slightly silty, slightly calcareous. Trace light brown limestone.	Poor	Pyrite		
6810	6820	Medium to dark grey		Micro-crystalline to finely crystalline	Dolomite	fair to good vugular porosity, minor intercrystalline porosity, slightly silty, very slightly pyritic in part. Vugs filled in part by fine to medium crystalline dolomite crystals and occasionally by well-formed medium to very coarsely crystalline quartz crystals. Minor light grey to buff dolomite as above. Trace white, fine to medium crystalline, tight, hard limestone. Trace light brown to buff limestone.	Fair to good	Quartz Dolomite Pyrite		
6820	6830	Medium to dark grey		Micro-crystalline to finely crystalline	Dolomite	As above.	Fair to good	Quartz Dolomite Pyrite		
6830	6840	Medium to dark grey		Dense to finely crystalline	Dolomite	poor vugular porosity, slightly silty with interbedded light grey to buff, dolomite as above. Common limestone, buff to medium brown, dense, hard, tight, slightly silty, trace white, soft, dense, tight, chalky limestone.	Poor			
6840	6850	Light to medium grey		Dense to finely crystalline	Dolomite	poor vugular porosity with vugs lined by finely crystalline dolomite crystals, and occasional well formed quartz crystals, silty with interbedded dolomite light grey, dense to micro-crystalline, tight, hard, slightly silty. Minor limestone, buff to light brown, dense, hard, tight, slightly silty. Trace white, fine to medium crystalline, tight limestone.	Poor	Quartz Dolomite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6850	6860	Light grey		Dense to micro-crystalline	Dolomite	slightly silty, trace vugular porosity, NCSOF, with interbedded light to medium grey, dense to finely crystalline dolomite as above. Common buff to light brown limestone as above. Trace pyrite.	Trace	Pyrite		
6860	6870	Light grey		Dense	Dolomite	microcrystalline in part, slightly silty, hard, trace vugular porosity with minor light to medium grey, dense to finely crystalline dolomite as above. Trace limestone, light to medium brown, dense, tight, hard. Trace limestone, white, fine to medium crystalline, hard, tight.	Trace			
6870	6880	Light grey		Dense	Dolomite	Dolomite as above with interbedded limestone, light to dark brown, dense, tight, hard.	Trace			
6880	6890	Medium to dark grey		Dense to micro-crystalline	Dolomite	silty, argillaceous in part, hard, trace vugular porosity with interbedded limestone, light grey to buff to light brown, dense, tight, silty in part, hard. Minor light grey, dense to micro-crystalline, silty, dolomite with trace of vugular porosity. Trace pyrite.	Trace	Pyrite		
6890	6900	Light grey to buff to light brown		Dense	Limestone	slightly silty, argillaceous in part, tight, very slightly pyritic in part, with minor dolomite as above. Trace greenish-grey, anhydritic(?), pyritic shale.	Tight	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6900	6910	Light grey		Dense	Limestone	buff in part, tight, hard, very slightly pyritic, slightly silty, slightly argillaceous in part. Trace greenish-grey, anhydritic (?), pyritic shale.	Tight	Pyrite		
6910	6920	Light grey		Dense	Limestone	As above.	Tight	Pyrite		
6920	6930	Light grey		Dense	Limestone	As above.	Tight	Pyrite		
6930	6940	Light grey		Dense	Limestone	As above, with dolomite common, light grey, dense, tight, hard, slightly silty.	Tight	Pyrite		
6940	6950	Light grey		Dense	Dolomite	hard, tight, slightly silty with minor limestone as above.	Tight			

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
6950	6960	Light grey		Dense to micro-crystalline	Dolomite	hard, tight, silty in part with minor limestone, light grey to buff, dense, tight, hard.	Tight			
6960	6970	Light grey		Dense to micro-crystalline	Dolomite	hard, tight, sucrosic texture in part, slightly silty with minor limestone light grey to buff, dense, tight, hard. Trace greenish-grey, anhydritic(?), pyritic shale.	Tight	Pyrite		
6970	6980				Dolomite & Limestone	Dolomite as above with interbedded limestone buff to light brown, dense, tight, hard, slightly silty.	Tight			
6980	6990	Light grey		Dense to micro-crystalline	Dolomite	hard, sucrosic texture in part, slightly silty in part, trace vugular porosity, with vugs lined by finely crystalline dolomite crystals, NCSOF. Minor buff to light brown limestone as above. Trace pyrite.	Trace	Pyrite		
6990	7000	Light grey		Dense to micro-crystalline	Dolomite	Dolomite as above with trace buff to light brown limestone as above. Trace pyrite.	Trace	Pyrite		
7000	7010	Light grey		Dense to micro-crystalline	Dolomite	hard, sucrosic, slightly silty, very slightly pyritic in small part, trace vugular porosity with vugs lined by fine to coarsely crystalline dolomite crystals NCSOF.	Trace	Pyrite		
7010	7020	Light grey		Dense to micro-crystalline	Dolomite	As above.	Trace	Pyrite		
7020	7030	Light grey		Dense to micro-crystalline	Dolomite	As above.	Trace	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7030	7040	Light grey		Dense to micro-crystalline	Dolomite	Dolomite as above with trace light brown to buff, dense, hard, tight limestone.	Trace	Pyrite		
7040	7050	Light grey		Dense	Dolomite	Microcrystalline in part, hard, sucrosic texture in part, slightly silty in part, trace vugular pyrite with vugs lined by finely crystalline dolomite crystals, NCSOF. Trace light brown to buff, dense, hard, tight limestone.	Trace			
7050	7060	Light grey		Dense	Dolomite	Dolomite as above with common light to medium grey, dense, tight, silty dolomite, trace limestone, light brown to buff, dense, hard, tight. Trace pyrite.	Trace	Pyrite		
7060	7070	Light grey		Dense	Dolomite	As above.	Trace	Pyrite		
7070	7080	Light grey		Dense to micro-crystalline	Dolomite	hard, sucrosic texture in part, slightly silty in part, trace vugular porosity, NCSOF, with common dolomite, light grey, dense, tight, silty, hard, very slightly pyritic in part.	Trace	Pyrite		
7080	7090	Light grey		Dense to micro-crystalline	Dolomite	As above.	Trace	Pyrite		
7090	7100	Light grey		Finely crystalline to dense	Dolomite	hard, sucrosic texture in part, slightly silty, trace vugular porosity, NCSOF, with common dolomite light to medium grey, dense, tight, very silty, hard, very slightly pyritic in part.	Trace	Pyrite		
7100	7110	Light grey		Finely crystalline to dense	Dolomite	as above with trace limestone and abundant dark grey shale. Shale and limestone probably cavings. High R.P.M. and low weight due to crooked hole.	Trace	Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7110	7120	Light grey		Finely crystalline to dense	Dolomite	As above.	Trace	Pyrite		
7120	7130	Light grey		Dense to micro-crystalline	Dolomite	hard, sucrosic texture in part, slightly silty, tight with common dolomite, light to medium grey, dense, tight, silty, hard, very slightly pyritic in part. Common shale cavings.	Tight	Pyrite		
7130	7140	Light to medium grey		Dense	Dolomite	tight, very silty with minor light grey dolomite as above. Trace pyrite, common cavings.	Tight	Pyrite		
7140	7150	Light to medium grey		Dense	Dolomite	As above.	Tight	Pyrite		
7150	7160	Light to medium grey		Dense	Dolomite	tight, hard, very silty, very slightly pyritic in part.	Tight	Pyrite		
7160	7170	Light to medium grey		Dense	Dolomite	As above.	Tight	Pyrite		
7170	7180	Light grey		Dense	Dolomite	microcrystalline in part, tight, hard, silty.	Tight			
7180	7190	Light grey		Dense	Dolomite	As above.	Tight			
7190	7200	Light grey		Dense	Dolomite	microcrystalline in part, tight, hard, silty, very slightly pyritic in part.	Tight	Pyrite		
7200	7210	Light to medium grey		Dense	Dolomite	microcrystalline in part, tight, hard, silty, very slightly pyritic in part, with trace calcite-filled fractures.	Tight	Pyrite Calcite		
7210	7220	Light to medium grey		Dense	Dolomite	As above.	Tight	Pyrite Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7220	7230	Light to medium grey		Dense	Dolomite	as above with trace buff to light grey, dense to microcrystalline, tight, hard, dolomite. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7230	7240	Light to medium grey		Dense	Dolomite	microcrystalline in part, hard, tight, silty with trace dolomite buff to light grey, dense to microcrystalline, tight, hard, silty in part. Trace calcite-filled fractures.	Tight	Calcite		
7240	7250	Light to medium grey		Dense	Dolomite	microcrystalline in part, hard, tight, silty, very slightly pyritic in part with trace dolomite, buff to light grey, dense, to microcrystalline, tight, hard, silty. Trace limestone buff to light brown, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7250	7260	Light to medium grey		Dense	Dolomite	Dolomite as above with trace buff to light grey dolomite as above. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7260	7270	Light to medium grey		Dense	Dolomite	As above.	Tight	Calcite Pyrite		
7270	7280	Light to medium grey		Dense	Dolomite	microcrystalline in part, hard, tight, silty.	Tight			
7280	7290	Light to medium grey		Dense	Dolomite	As a bove with trace calcite-filled fractures.	Tight	Calcite		
7290	7300	Light to medium grey		Dense	Dolomite	microcrystalline in part, hard, tight, very silty, pyritic in part, with trace of calcite-filled fractures.	Tight	Pyrite Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7300	7310	Light to medium grey		Dense	Dolomite	As above. Poor sample, common cavings due to trip.	Tight	Pyrite Calcite		
7310	7320	Dark grey to black		Dense to micro-crystalline	Dolomite	hard, tight, very slightly pyritic in part, very silty, grading to a dolomitic siltstone in part with interbedded light to medium grey dolomite, dense to micro-crystalline, tight, hard, silty, very slightly pyritic in part. Trace calcite-filled fractures. Trace anhydrite.	Tight	Pyrite Calcite		
7320	7330	Light to medium grey		Dense to micro-crystalline	Dolomite	hard, tight, silty with interbedded dark grey to black, very silty dolomite as above grading to a dolomitic siltstone in part. Trace calcite-filled fractures.	Tight	Calcite		
7330	7340	Light to medium grey		Dense	Dolomite	microcrystalline in part, tight, hard, silty, very slightly pyritic in part, with minor dark grey to black, very silty dolomite as above. Trace limestone buff to light brown, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7340	7350	Light to medium grey		Dense	Dolomite	As above.	Tight	Calcite Pyrite		
7350	7360	Light grey		Dense to finely crystalline	Dolomite	tight, silty in part, very slightly pyritic in part, sucrosic texture in part, with interbedded dolomite, medium grey, dense, tight, silty, very slightly pyritic in part. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7360	7370	Light grey to buff		Dense to finely crystalline	Dolomite	slightly silty, sucrosic texture in part, trace microvugular porosity, trace intercrystalline porosity, NCSOF with interbedded dolomite medium grey, dense, tight, silty, very slightly pyritic in part. Trace limestone, light brown to	Trace	Calcite Pyrite Gypsum		

R.O.C. ET AL POINT SEPARATION NO. 1
67°34'6" N. Lat., 134°00'10"W.Long.
Northwest Territories

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formations
7360	7370	Continued				buff, dense, tight, hard. Trace gypsum. Trace calcite-filled fractures.	Trace	Calcite Pyrite Gypsum		
7370	7380	Light grey to buff		finely crystalline to micro crystalline	Dolomite	slightly silty, sucrosic texture in part, very slightly pyritic in part, trace microvugular porosity, trace intercrystalline porosity, NCSOF with minor medium grey, silty dolomite as above. Trace calcite-filled fractures. Trace gypsum.	Trace	Calcite Pyrite Gypsum		
7380	7390	Light grey to buff		Finely crystalline to micro-crystalline	Dolomite	As above.	Trace	Calcite Pyrite Gypsum		
7390	7400	Light grey to buff		Fairly crystalline to micro-crystalline	Dolomite	silty in part, sucrosic texture in part, very slightly pyritic in part, trace microvugular porosity, NCSOF. Trace gypsum. Trace calcite-filled fractures.	Trace	Calcite Pyrite Gypsum		
7400	7410	Light grey to buff		Dense to finely crystalline	Dolomite	silty, sucrosic texture in part, very slightly pyritic in part, tight, with trace calcite-filled fractures. Trace gypsum.	Tight	Calcite Pyrite Gypsum		
7410	7420	Light grey to buff		Dense to finely crystalline	Dolomite	Dolomite as above with minor light grey dolomite, dense, tight, hard, silty, trace limestone, buff to light brown, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7420	7430	Light grey to buff		Dense to finely crystalline	Dolomite	As above.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7430	7440	Light to medium grey to buff		Micro-crystalline to finely crystalline	Dolomite	silty, sucrosic texture, tight, very slightly pyritic in part with minor dolomite, light grey, dense, tight, very silty, slightly pyritic in part. Trace limestone dark brown, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7440	7450	Medium grey		Micro-crystalline to finely crystalline	Dolomite	silty, sucrosic texture, tight, very slightly pyritic in part with minor light grey dolomite as above. Trace dark brown limestone as above. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7450	7460	Medium grey		Micro-crystalline to finely crystalline	Dolomite	As above.	Tight	Calcite Pyrite		
7460	7470	Light to medium grey		Dense to micro-crystalline	Dolomite	brownish-grey in part, silty, tight, sucrosic in part, with trace calcite-filled fractures.	Tight	Calcite		
7470	7480	Light to medium grey		Dense to micro-crystalline	Dolomite	As above.	Tight	Calcite		
7480	7490	Medium to dark grey		Dense to micro-crystalline	Dolomite	very silty in part, sucrosic texture in part, tight, hard with common light to medium grey dolomite as above.	T[illegible]	Calcite		
7490	7500	Medium to dark grey		Dense to micro-crystalline	Dolomite	silty, sucrosic texture in part, tight, hard with common light grey dolomite, dense tomicrocrystallire. tight, hard, very silty in part, very slightly pyritic in part, Trace gypsum. Trace calcite-filled fractures.	Tight	Calcite Gypsum Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7500	7510	Medium to dark grey		Dense to micro-crystalline	Dolomite	silty, sucrosic texture in part, tight, hard, very slightly pyritic in part, trace limestone, light grey, dense, tight, hard. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7510	7520	Medium to dark grey		Dense to micro-crystalline	Dolomite	As above with trace of gypsum.	Tight	Calcite Pyrite Gypsum		
7520	7530	Medium to dark grey		Dense to micro-crystalline	Dolomite	finely crystalline in part, silty, sucrosic in part, tight, hard, with common dolomite light grey, dense to microcrystalline, tight, silty, hard. Trace calcite-filled fractures.	Tight	Calcite		
7530	7540	Medium to dark grey		Dense to micro-crystalline	Dolomite	silty, tight, sucrosic texture in part, hard, with common limestone, light grey, dense, tight, slightly silty, earthy. Trace light brown limestone, dense, tight, hard. Minor dolomite light grey, dense to microcrystalline, tight, silty, hard, trace calcite-filled fractures. Trace gypsum. Trace fossils.	Tight	Calcite Gypsum	Trace	
7540	7550	Light grey		Dense	Limestone	soft, earthy, tight, slightly silty with common limestone light grey to buff, to dark brown, dense, tight, hard. Minor medium to dark grey dolomite as above. Trace fossils.	Tight		Trace	
7550	7560	Dark grey to dark brown		Dense	Limestone	dense, tight, fairly hard, slightly silty, with interbedded limestone, light grey, dense, tight, soft, earthy in part, silty in part, fossiliferous in part. Trace light grey to buff limestone, dense, tight, hard. Minor dolomite as above.	Tight		Trace	

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7560	7570	Light grey		Dense	Limestone	tight, soft to fairly hard, earthy in part, slightly silty with interbedded dark grey to dark brown limestone as above. Common medium to dark grey dolomite as above. Minor light grey dolomite, dense to microcrystalline, tight, hard, silty. Trace chert.	Tight			
7570	7580	Medium to dark grey		Dense to micro-crystalline	Limestone	dark brown in part, tight, silty in part, with common limestone, light grey, dense, tight, soft to fairly hard, silty. Trace dolomite, dark grey, dense, micro-crystalline, tight, hard, sucrosic texture in part, silty. Trace light grey chert. Trace calcite-filled fractures.	Tight	Calcite		
7580	7590	Medium to dark grey		Dense to micro-crystalline	Limestone	buff to dark brown in part, tight, hard, silty in part with minor soft, earthy limestone as above. Trace dolomite as above. Common light grey chert fragments. Trace calcite-filled fractures.	Tight	Calcite		
7590	7600	Medium to dark grey		Dense to micro-crystalline	Limestone	brownish-grey, in part, tight, fairly hard, silty, argillaceous in part with minor light grey, dense, tight, hard limestone. Trace calcite-filled fractures. Trace chert.	Tight	Calcite		
7600	7610	Medium to dark grey		Dense to micro-crystalline	Limestone	as above with trace light grey dolomite, microcrystalline, tight, hard, silty.	Tight	Calcite		
7610	7620	Medium to dark grey		Dense	Limestone	dark brown in part, tight, micro-crystalline in part, with minor dolomite dark grey, dense to microcrystalline, tight, hard, very silty, grading to a dolomitic siltstone in part. Minor limestone light grey, dense, tight, granular in part, silty. Trace fractures.	Tight	Calcite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7620	7630	Medium to dark grey		Dense	Limestone	medium to dark brown in part, microcrystalline in part, tight, hard, silty, argillaceous in part with minor dolomite, light to dark grey, dense to microcrystalline, tight, hard, silty. Minor limestone light grey, dense, tight, granular in part, silty. Trace calcite-filled fractures.	Tight	Calcite		
7630	7640	Med. to dark grey		Dense	Limestone	As above.	Tight	Calcite		
7640	7650	Med. to dark grey		Dense	Limestone	As above.	Tight	Calcite		
7650	7660	Med. to dark grey		Dense	Limestone & Dolomite	medium to dark brown in part, microcrystalline in part, tight, hard, silty, argillaceous in part, with common dolomite dark grey, dense to microcrystalline, tight, hard, very silty. Common limestone, light grey, dense, granular in part, tight, hard, silty. Trace calcite-filled fractures.	Tight	Calcite		
7660	7670	Medium to dark grey		Dense	Limestone & Dolomite	As above.	Tight	Calcite		
7670	7680	Medium to dark grey		Dense	Limestone & Dolomite	As above.	Tight	Calcite		
7680	7690				Limestone & Dolomite	Limestone light to medium grey, dense to microcrystalline, tight, silty, hard, earthy in part, with interbedded dolomite dark grey, microcrystalline, tight, hard, very silty, grading to a dolomitic siltstone in part, trace calcite-filled fractures.	Tight	Calcite		
7690	7700				Limestone & Dolomite	Interbedded dolomite and limestone as above with common dolomite light grey, dense to microcrystalline, sucrosic cont'd.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7690	7700 Continued.					texture in part, tight, hard, silty. Trace calcite-filled fractures, trace pyrite.	Tight	Calcite Pyrite		
7700	7710	Dark grey		Dense to micro-crystalline	Dolomite	tight, hard, very silty in part, grading to a dolomitic siltstone in part, with interbedded dolomite, light to medium grey, dense, microcrystalline in part, tight, hard, silty, very slightly pyritic in part. Minor limestone as above. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7710	7720	Light to medium grey		Dense to micro-crystalline	Dolomite	tight, hard, silty, very slightly pyritic in part with minor dark grey dolomite as above. Minor limestone as above. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7720	7730	Medium to dark grey		Dense to micro-crystalline	Dolomite	hard, very silty, very slightly pyritic in part, trace of vugular porosity, NCSOF. Minor limestone as above. Trace calcite-filled fractures.	Trace	Calcite Pyrite		
7730	7740	Medium grey		Dense to micro-crystalline	Dolomite	hard, silty, tight, very slightly pyritic in part, with trace limestone, buff to light brown, dense, tight, hard, slightly silty, trace calcite-filled fractures.	Tight	Pyrite Calcite		
7740	7750	Medium grey		Dense to micro-crystalline	Dolomite	As above.	Tight	Pyrite Calcite		
7750	7760	Medium to light grey		Dense	Dolomite	microcrystalline in part, tight, hard, silty, very slightly pyritic in part with interbedded dolomite dark grey to black, dense to microcrystalline, tight, hard, very silty, grading to a dolomitic siltstone in part. Trace limestone buff to light brown, dense, tight, hard, slightly silty. Trace calcite-filled fractures.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7760	7770	Medium to light grey		Dense	Dolomite	As above.	Tight	Calcite Pyrite		
7770	7780	Medium to light grey		Dense to micro-crystalline	Dolomite	tight, silty, hard, very slightly pyritic in part, with common dolomite dark grey to black, dense to microcrystalline, tight, hard, very silty, grading to a dolomitic siltstone in part. Trace limestone, light grey to buff to light brown, dense, tight, hard, slightly silty. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7780	7790	Medium to light grey		Dense to micro-crystalline	Dolomite	Dolomite as above with interbedded dark grey to black dolomite as above. Trace calcite-filled fractures. Trace anhydrite.	Tight	Calcite Pyrite		
7790	7800	Medium to dark grey		Dense to micro-crystalline	Dolomite	tight, hard, very silty in part, very slightly pyritic in part, with trace calcite-filled fractures.	Tight	Calcite Pyrite		
7800	7810	Medium to dark grey		Dense to micro-crystalline	Dolomite	As above with trace limestone, light brown to buff, dense, tight, hard, slightly silty.	Tight	Calcite Pyrite		
7810	7820	Medium to dark grey		Dense to micro-crystalline	Dolomite	As above.	Tight	Calcite Pyrite		
7820	7830	Dark grey to black		Dense to micro-crystalline	Dolomite	tight, hard, very slightly pyritic in part, very silty, grading to a dolomitic siltstone in part with interbedded medium to dark grey dolomite as above. Trace limestone, light to medium brown, dense, tight, hard, silty. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7830	7840	Dark grey to black		Dense to micro-crystalline	Dolomite	Dolomite as above with common limestone, light grey to buff to light brown, dense, tight, hard, silty. Minor medium to dark grey dolomite as above. Trece calcite-filled fractures.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7840	7850	Dark grey to black		Dense to micro-crystalline	Dolomite	As above.	Tight	Calcite Pyrite		
7850	7860	Dark grey to black		Dense to micro-crystalline	Dolomite	tight, hard, very silty, very slightly pyritic in part, grading to a dolomitic siltstone in part with interbedded dolomite, medium grey, dense, tight, hard, silty, very slightly pyritic in part, minor limestone light grey to light brown, dense, tight, hard, silty, earthy in part. Trace calcite-filled fractures.	Tight	Calcite Pyrite		
7860	7870	Dark grey to black		Dense to micro-crystalline	Dolomite	Dolomite as above with common limestone, light grey to light brown, dense, tight, hard, silty, earthy in part. Minor dolomite, medium grey, dense, tight, hard, silty, very slightly pyritic in part. Trace fractures.	Tight	Calcite Pyrite		
7870	7880	Dark grey to black		Dense to micro-crystalline	Dolomite	As above.	Tight	Calcite Pyrite		
7880	7890	Dark grey to black		Dense to micro-crystalline	Dolomite	hard, tight, very silty in part, grading to a dolomitic siltstone in part, with trace limestone, light grey to buff to light brown, dense, tight, hard, silty, earthy in part. Trace medium grey dolomite as above. Trace calcite-filled fractures. Trace greenish-grey, slightly pyritic anhydrite.	Tight	Calcite Pyrite		
7890	7900	Dark grey to black		Dense to micro-crystalline	Dolomite	As above.	Tight	Calcite Pyrite		
7900	7910	Medium to dark grey		Dense to micro-crystalline	Dolomite	hard, tight, very slightly pyritic in part, very silty, grading to a dolomitic siltstone in part, with common limestone	Tight	Calcite		

continued

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7900	7910	continued.				light to medium brown, dense, tight, hard, slightly silty. Minor dark grey to black, very silty dolomite as above. Trace calcite-filled fractures. Trace earthy, light grey limestone.	Tight	Calcite Pyrite		
7910	7920	Dark grey to black		Dense to micro-crystalline	Dolomite	hard, tight, very silty, grading to a dolomitic siltstone in part with interbedded medium to dark grey dolomite as above. Trace of limestone as above. Trace calcite-filled fractures. Trace anhydrite.	Tight	Calcite Pyrite		
7920	7930	Medium to dark grey		Dense to micro-crystalline	Dolomite	hard, tight, very silty, grading to a dolomitic siltstone in part, with common limestone light to dark grey, dense, tight hard, silty. Trace limestone, light to medium grey, dense, soft, earthy.	Tight			
7930	7940	Medium to dark grey		Dense to micro-crystalline	Dolomite	as above with trace calcite-filled fractures. Trace pyrite.	Tight	Calcite Pyrite		
7940	7950	Dark grey to black		Dense to micro-crystalline	Dolomite	hard, tight, very silty, grading to a dolomitic siltstone in part with common limestone, light to dark brown, dense, tight, hard, silty. Minor light to medium grey dolomite, dense, tight, hard, silty, trace limestone light to medium grey, dense, soft, tight, earthy. Trace Calcite-filled fractures.	Tight	Calcite		
7950	7960	Dark grey to black		Dense to micro-crystalline	Dolomite	Dolomite as above with interbedded dolomite light to medium grey, dense to micro-crystalline, hard, silty, trace of vugular porosity with trace of bitumen filling, NCSOF. Trace limestone as above. Trace calcite-filled fractures. Trace pyrite.	Tight	Calcite Pyrite		

Drilled From	Drilled To	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7960	7970	Medium to light grey		Dense to micro-crystalline	Dolomite	hard, silty, trace of vugular porosity, with trace of bitumen filling. NCSOF. Interbedded dark grey to black, very silty dolomite as above. Trace calcite-filled fractures. Trace pyrite.	Trace	Calcite Pyrite		
7970	7980	Medium grey		Dense to micro-crystalline	Dolomite	As above.	Trace	Calcite Pyrite		
7980	8000					Samples very poor due to lost circulation.				

R.O.C.
67°34'
Northwest Territories

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
1	5168	5191	23'									
	5168	5191	23'	Dark grey to black	Horizontal		Shale	Shale dark grey to black, compact, very hard, fissile in part, brittle, pyritic in part, with occasional laminae, up to 1/2" thick, of siltstone, medium grey to greenish-grey, very fine grained, fair to good sorting, argillaceous in part, very pyritic in part, very hard, occasional very thin stringers of solid pyrite in shale. Dip horizontal. Occasional vertical fracture.		Pyrite		
2	5270	5300	28'									
	5270	5300		Medium to dark brown	Thin	Dense to microcrystalline	Limestone	Limestone medium to dark brown, dense to microcrystalline, argillaceous, very shaly in part, bituminous in part, tight, very hard, tough, fossiliferous, very slightly pyritic in part, with interbedded shale, dark grey to black, fissile, bituminous in part, calcareous to slightly calcareous, pyritic in part, fossiliferous. Core is mainly limestone with thin beds of up to 7 inches thick, of dark grey to black shale. Contacts between shale and limestone are sharp and irregular, although at 5277' the contact is gradational over a short interval. Bedding is essentially horizontal although most contacts are sharp and very irregular representing a minor hiatus in deposition. Common horizontal fractures with occasional fractures at a dip of approx. 20°. Slight H2 S odor.				

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
Core	No. 2 continued.							Limestone is brecciated in part, with common black, bituminous, slightly calcareous shale partings. Entire core is fossiliferous throughout, and is very fossiliferous at 5294 and 5296. Common fossils are corals, brachiopods and stromatoporoids.				
Core	No. 3 5707	5737	30'									
	0	5		Medium to dark brown	Horizontal	Dense to microcrystalline	Limestone	Limestone medium to dark brown dense to microcrystalline, silty, shaly in part, tight, hard, scattered vugular porosity filled by medium to finely crystalline calcite. Minor shale partings.	Tight	Calcite	Trace	
	5	6.5'		Greenish-grey	Horizontal	Dense	Limestone	Limestone greenish-grey, dense, tight, silty, fairly hard, appears marly, very scattered vugular porosity filled by finely crystalline calcite. Minor shaly partings.	Tight	Calcite	Trace	
	6.5	30		Medium to dark brown	Horizontal	Dense to Micro crystalline	Limestone	Limestone medium to dark brown, dense to microcrystalline, silty, shaly in part, tight, hard, scattered vugular porosity filled by medium to finely crystalline calcite. Common shale partings near base of core. Shale, black, very calcareous, bituminous in part. Core consists of limestone with minor shaly partings. Limestone becomes very shaly towards base of core with common black, very calcareous shale partings.	Tight	Calcite	Trace	

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
Core No. 3 continued								Common fractures with a dip of 0 to 10 degrees. Occasional vertical fracture. Bedding horizontal. Strong H2S odour at base of core. Trace of fossils.				
4	6101	6122	21'									
	0	3		Medium to dark brown		Dense to micro-crystalline	Limestone	tight, silty, slightly argillaceous, very slightly pyritic in part, hard.	Tight	Pyrite		
	3	5		Dark brown		Micro-crystalline	Limestone	tight, silty, hard.	Tight			
	5	6		Medium to dark brown		Dense	Limestone	tight, silty, hard, common vugular porosity filled by finely crystalline calcite.	Tight	Calcite		
	6	18		Medium to dark brown		Dense to micro-crystalline	Limestone	tight, silty, hard, argillaceous in part, scattered vugular porosity at top of interval filled by finely crystalline calcite, very slightly pyritic in part. Minor shaly partings, at 3' there is a dark grey to black, fissile shale band approximately 1-2 inches thick.	Tight	Calcite		
	18	21		Buff to light brown		Dense to micro-crystalline	Limestone	tight, very silty, very hard, appears cherty.	Tight			
								Core is silty limestone with minor shaly partings. The colour change is distinctive and fairly abrupt over a short interval. Bedding is horizontal. Common jagged, essentially horizontal fractures. Occasional calcite-filled vertical fractures. Slight H2S odour.				

R.O.C. ET AL POINT SEPARATION NO. 1
67°34'6" N. Lat., 134°00'10" W. Long.
Northwest Territories

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
5	6540	6560	16'									
	0	8		Medium grey to brownish-grey		Dense to micro-crystalline	Limestone	silty, hard, tight, trace fossils.	Tight		Trace	—
	8	11		Light grey to buff		Dense	Limestone	silty, hard, tight.	Tight			
	11	16		Medium to dark grey		Dense to micro-crystalline	Limestone	silty, fairly hard, tight, argillaceous in part, trace fossils. Core consists of limestone with minor shaly partings. Bedding horizontal. Common jagged, essentially horizontal fractures. Occasional vertical calcite veinlets. Slight H_2S odour.	Tight			
6	6837	6855	18'									
	0	8		Light brown to light grey to medium grey		Finely crystalline	Dolomite	sucrosic texture in part, hard, silty in part, fair to poor vugular porosity with vugs lined by fine to medium crystalline dolomite crystals and occasional well formed medium crystalline quartz crystals, NCSOF.	Fair to poor	Dolomite Quartz		
	8	10		Buff to light brown		Dense	Limestone	hard, tight, silty in part.	Tight			
	10	12.5		Brownish-grey		Finely crystalline	Dolomite	hard, tough, tight, silty in part.	Tight			
	12.5	18		Light grey to buff		Dense	Dolomite	hard, tough, slightly silty, very poor sorting, vugular porosity with vugs lined by fine to medium crystalline dolomite crystals. NCSOF. Continued	very poor	Dolomite	Trace	

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
Core No. 6 Continued								Trace poorly preserved Brachiopod Fossil. Bedding horizontal. Occasional vertical fracture or joint. Minor horizontal fractures. Slight H2S odour. Note: Core barrel jammed cutting core at 6854' cut 6" in 1½ hours.	Very poor	Dolomite	Trace	

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
7	7235	7260	25'									
	0	5		Light to medium grey		Dense	Dolomite	tight, hard, very silty, very slightly pyritic in part with occasional dark grey to black, slightly fissile, pyritic shale partings. Common calcite veinlets. Vertical, up to 1 inch wide calcite-filled fractures at 7239'. Dolomite appears brecciated and faulted to some degree at this point.	Tight	Calcite Pyrite		
	5	8		Medium grey to brownish-grey		Dense to micro-crystalline	Dolomite	tight, hard, silty, very slightly pyritic in part with occasional dark grey to black, slightly fissile, pyritic shale partings.	Tight	Pyrite		
	8	25		Light to medium grey		Dense to micro-crystalline	Dolomite	tight, hard, silty, very slightly pyritic in part with minor shale partings. Very common jagged essentially horizontal fractures with fractures occasionally filled by calcite. Core consists of tight, dense to microcrystalline dolomite with common fractures filled in part by white crystalline calcite. Dip is approximately 5°. No odour.	Tight	Calcite Pyrite		

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
8	7659	7672	18'				—					
	0	18		Med. to dark grey	Thin	Dense to micro-crystalline	Dolomite	Hard, very silty in part, argillaceous in part, slightly calcareous in part, very slightly pyritic in part with minor thin beds of limestone, medium grey, dense to microcrystalline, tight, hard, slightly silty, dolomitic. Core consists of dolomite with minor interbedded limestone. Bedding is essentially horizontal although the contacts are very irregular. Two large calcite-filled fractures with a dip of approximately 70°, at 7662 and 7675'. Slight H2S odour. Common shaly partings. Core appears brecciated in part.	Tight	Calcite		
9	7980	7993	13'									
	0	13		Med. grey		Dense to micro-crystalline	Limestone	Hard, dolomitic in part, silty in part, slightly argillaceous in part with trace of finely crystalline, angular quartz crystals, with approximately 1 foot of vugular porosity partially filled by very coarsely crystalline calcite at 7987', no cut, stain, odour or fluorescence. Slight H2S odour. Bedding is essentially horizontal although bedding planes are very irregular.	Trace	Quartz Calcite		

Core No.	Cored From	Cored To	Recovered	Main Color	Bedding	Texture and Grain Size	Main Rock Type	Description	Porosity	Minerals	Fossils	Formation Tops
10	8000	8023 T.D. 23'										
	0	23		Medium to dark grey	Thick	Dense to micro-crystalline	Limestone	argillaceous, slightly silty, dolomitic in part, with trace of finely crystalline, angular quartz crystals, tight. Bedding is horizontal. No fractures. Occasionall shaly parting. Slight H2S odour.	Tight	Quartz		

Pt. Separation No. 1

Report No. O-S 7 BSN 1972

Report on forty-three lots of fossils from core from the Eagle Plains No. 1, Grandview Hills No. 1, Kugaluk N-02, Pt. Separation No. 1 and Root River I-60 wells, Yukon Territory and District of Mackenzie (NTS 95J; 106M,O; 107A; 116J)

The relevant parts of any manuscript prepared for publication that paraphrase or quote from this report should be referred to the Paleontology Subdivision, Calgary, for possible revision.

Depth	Well, Fossils and Age	GSC Loc. No.
	Richfield Oil Corp. et al. Grandview Hills No. 1 67°06'12"N., 130°52'30"W	
3148 1/2 ft.	gastropod (?) - Carnage Silt	C-18045
3549 ft.	indeterminate coral - Remains	C-18046
	age: Middle Ordovician to Permian	
3566 ft.	gastropod (?) Remains	C-1927
4211 ft.	indeterminate fossil Remains	C-18047
4219 ft.	indeterminate tabulate coral Remains	C-18048
	age: Middle Ordovician to Permian	
	FPC Tenneco Root River I-60 62°39'32.21"N., 123°24'28.96"W.	
6621 ft.	echinoderm fragments large gastropod bryozoan (?) Palaeofavosites sp.	C-18036
	age: Late Ordovician to Late Silurian	
6624 ft.	echinoderm fragments ?Bighornia sp. Lobocorallium sp. Palaeophyllum sp.	C-18037
	age: Late Ordovician	
662? ft.	indeterminate solitary coral	C-18038
6631 ft.	Bighornia sp.	C-2520
6645 ft.	streptelasmid coral	C-18039
	age: Middle Ordovician to Silurian	
	Richfield et al. Pt. Separation No. 1 67°34'06"N., 134°00'10"W.	
7982 1/2 ft.	undetermined stromatoporoid	C-18060
7984 1/2 ft.	undetermined stromatoporoids Favosites 2 spp. heliolitid coral (?)	C-18061
	age: Silurian to Middle Devonian	

Depth	Well, Fossils and Age	GSC Loc. No.
7988 ft.	undetermined stromatoporoid Cystiphyllum sp. age: Silurian	C-18062
7993 ft.	undetermined stromatoporoid ?Favosites 2 spp. Multisolenia tortuosa Fritz age: Silurian, probably Late Llandovery	C-18063
8013 ft.	indeterminate orthid brachiopod	C-18064
8017 ft.	indeterminate brachiopod	C-18065
8019 ft.	Cystiphyllum sp. age: Silurian	C-18066
	Peel Plateau Eagle Plains Y.T. No. 1 66°48'54"N., 138°08'30"W.	
7061 ft.	echinoderm fragments ?Favosites sp. Syringopora sp. age: Silurian to Devonian	C-18050
7368 ft.	?Favosites sp. age: Late Ordovician to Middle Devonian	C-18051
7696 ft.	inarticulate brachiopod	C-18053
7888 ft.	indeterminate fossils	C-18054
7890 ft.	streptelasmid coral	C-18055
7891 ft.	streptelasmid coral Palaeophyllum sp. indeterminate tabulate coral age: late Middle Ordovician to Early Silurian	C-18056
7893 ft.	stromatoporoid (?)	C-18056A
7895 ft.	Catenipora 2 spp. age: late Middle Ordovician to Late Silurian	C-18057
7897 ft.	Bighornia sp. Palaeofavosites sp. age: Late Ordovician	C-18058
7898 ft.	?Lobocorallium sp. indeterminate solitary coral Catenipora sp. Palaeofavosites sp. ?Palaeofavosites sp. age: Late Ordovician	C-18059

Depth	Well, Fossils and Age	GSC Loc. No.
	CPOG Kugaluk N-02 68°31'55"N., 131°31'19"W.	
5590 1/4 ft.	Favosites sp. age: Late Ordovician to Middle Devonian	C-18011
5614 ft.	echinoderm fragmnets Cystihalysites sp. age: Silurian	C-18012
5615 ft.	indeterminate coral	C-18013
5624 ft.	favositid coral	C-18014
5626 ft.	indeterminate coral	C-18015
5819 1/2 ft.	?Cystihalysites sp. ?Favosites sp. age: Silurian	C-18016
5824 ft.	indeterminate coral	C-18017
5978-5980 ft.	?Favosites sp.	C-18018
6111 ft.	?Catenipora sp. age: late Middle Ordovician to Late Silurian	C-18019
6126 1/2 ft.	?Catenipora sp. age: late Middle Ordovician to Late Silurian	C-18020
6190 ft.	indeterminate solitary coral halysitid coral age: late Middle Ordovician to Late Silurian	C-18021
6199 1/2 ft.	indeterminate fossils	C-18022
6242 ft.	indeterminate solitary coral	C-18023
6423 ft.	favositid coral (?) age: probably Late Ordovician to Devonian	C-18024
6491 ft.	favositid coral (?) age: probably Late Ordovician to Devonian	C-18025
6619 ft.	fossil (?) fragments	C-18026

B.S. Norford

Paleontology Subdivision
Institute of Sedimentary and Petroleum Geology,
Calgary, June 26, 1972

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: NWT
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE
TOOL JOINT OD / TYPE THD.
DRILL PIPE GRADE
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: L. Burke Parker

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
LAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	115
DAY TOUR	359
EVENING TOUR	463

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: R. Hoar
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12	8:00	8	LAY DOWN DRILL PIPE

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill
WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	3:30		FINISH [redacted] N LAY DOWN PIPE & DISMANTEL B.O.P.
3:30	4:00		CEMENT TOP OF SURFACE PIPE
			RIG + CREW RELEASED 4.00 P.M OCT. 16 '60
			RAN 10 SAX 6M T PLUG AT SURFACE
			SCREWED CAP ON TOP OF SURFACE CSG

YRB

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Williams
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	4:00		TEARING OUT & LOADING OUT EQUIPMENT TO INUVIK VIA DC-3

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 80

DATE: Oct. 16 - 1960

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE
TOOL JOINT OD / TYPE THD.
DRILL PIPE GRADE

PUMPS: No. | MANUFACTURER | TYPE — 1. 2. 3.

CASING & LINER RECORD: SIZE | WT & GR. | DEPTH SET FROM | TO | TYPE OF CEMENT | CEMENT USED | OTHER

OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: W. Burg Parker

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS	8	8	8
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES / SIZE	8 / 1 1/4
FEET SLIPPED	264
FEET CUT OFF	264
PRESENT LENGTH	3238
TON MI. or TRIPS SINCE LAST CUT	400
CUMULATIVE TON MI. or TRIPS	400
NO. OF DAYS FROM SPUD	71
CUMULATIVE ROTATING HRS.	1157½
DAYS SINCE LAST ACCDNT.	345
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	114
DAY TOUR	462
EVENING TOUR	358

MORNING TOUR

NO. | DRILLING ASSEMBLY | FT. | BIT RECORD | FT.

	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Nolan
WEATHER CONDITIONS: CLOUDY & COOL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8023			TD			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	1³⁰	1 1/2	WOC
1³⁰	3³⁰	2	RUN IN & FEEL PLUG
3³⁰	4⁰⁰	1/2	PULL OUT TO RUN PLUG #2
4⁰⁰	4³⁰	1/2	CIRC
4³⁰	5¹⁵	3/4	MIX CEMENT & DISPLACE SAME
5¹⁵	7⁰⁰	1 3/4	POOH
7⁰⁰	8⁰⁰	1	WOC

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLUG #2, 6	6660		
W/ 120 SAX CEMENT & 2% CACL			
DISPLACED W/ 92 BBLS			
MUD PLUG DOWN			
@ 2.16 AM			
FLT @ 1 PLUG @ 7891			

DAY TOUR

NO. | DRILLING ASSEMBLY | FT. | BIT RECORD | FT.

	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B Williams
WEATHER CONDITIONS: Cloudy & Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8023			TD			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	12⁰⁰	4	WOC
12⁰⁰	1¹⁵	1 1/4	RUN IN TO FEEL PLUG
1¹⁵	3⁰⁰	1 3/4	PULL UP TO RUN PLUG #1
3⁰⁰	3³⁰	1/2	CIRC
3³⁰	3⁴⁵	1/4	CEMENTING
3⁴⁵	4⁰⁰	1/4	DISPLACE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

@ 3.30 AM

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLUG #2	1048-948		
W/ 160 SAX 3% CACL2			
DISPLACED W/ 13 BBLS			
PLUG DOWN @ 3.55			
FELT PLUG #2 @ 6582			

EVENING TOUR

NO. | DRILLING ASSEMBLY | FT. | BIT RECORD | FT.

	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill
WEATHER CONDITIONS: CLOUDY & COOL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8023	T.D.					

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	11½	7 1/4	W.O.C. Pull out & Lay Pipe & Collars
11¹⁵	11⁴⁵	1/2	Run in To Feel For Plug #3
11⁴⁵	12⁰⁰	1/4	Pull out Lay Down Pipe
			FELT PLUG @ 945 - 11.45 PM

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 79 DATE: Oct 15, 1960

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION: LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION | No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 5 3/4 OD, TYPE THD. FH | DRILL PIPE GRADE E

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 J-55	0	498	CONST	900	2% CACL

OPERATOR'S REPRESENTATIVE: J. W. Brown

CONTRACTOR'S TOOL PUSHER: Wm Parker

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS		1/2	
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL		1/2	
DAYWORK HOURS	8	7 1/2	8
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	264
FEET CUT OFF	264
PRESENT LENGTH	3238
TON MI. or TRIPS SINCE LAST CUT	364
CUMULATIVE TON MI. or TRIPS	364
NO. OF DAYS FROM SPUD	70
CUMULATIVE ROTATING HRS.	1157 1/2
DAYS SINCE LAST ACCDNT.	344
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	113
DAY TOUR	461
EVENING TOUR	357

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7293.98 FT.	Drilling or Core Bit No.	38-10
	SNGLS. DP	FT.	TYPE	KOEBEL O
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	6 1/8
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	8000
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	37.53 FT.	FT. CORED	20
	TOTAL	8020 FT.	CUM. HRS. RUN	12
WT OF STRING		142,000 LBS.	CONDITION	1N

DRILLER: K. Holan

WEATHER CONDITIONS: SNOW. +20

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8005		15	8020		85	8 to 10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	5 1/2	54	8
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	8 00	8	CUTTING CORE #10
			#4 ENGINE REPAIRED & RUNNING AGAIN.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.4	9.4	9.4	9.4
VISC.	140	120	117	110
W.L.-C.C.	7.6	7.8	8.0	8.0
FLTR. CK.	32	32	32	32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5000#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7293.98 FT.	Drilling or Core Bit No.	38-10
	SNGLS. DP	FT.	TYPE	KOEBEL O
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	6 1/8
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	4440
	RMR BODY OD	FT.	SERIAL No.	4-
	STB BODY OD	FT.	DEPTH IN	8000
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	8023
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	40.53 FT.	FT. CORED	23
	TOTAL	8023.00 FT.	CUM. HRS. RUN	13 1/4
WT OF STRING		142M LBS.	CONDITION	GOOD

DRILLER: E. Williams

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8020		3	8023	23' RECOVERY	85	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	5 1/2	54	1 1/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 00	9 00	1 1/4	CUTTING CORE #10
9 15	9 30	1/4	BREAK OFF CORE
9 30	10 00	1/2	WORK ON HIGH CLUTCH
10 00	12 00	2 1/2	PULL OUT OF HOLE W/ CORE BBL
12 30	1 15	3/4	RECOVER CORE + SERV BBL
1 15	4 00	2 3/4	WAIT ON ORDERS

Core #10 / 8020 - 8023 = 23'

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	6 00	2	RUN IN OPEN END.
6 00	6 30	1/2	CIRC PRIOR TO CEMENTING
6 30	6 45	3/4	RIG TO CEMENT.
6 45	7 30	3/4	CEMENTING & PUMP DOWN PLUG #1
7 30	10 00	2 1/2	POH OOT.
10 00	12 00	2	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PLUG A 1	8023-7960		
W/ 6 6 SAX CEMENT			
2% CA CL DISPLACED			
W/ 118 BBL MUD			
PLUG DOWN @ 7.33 PM			

REPORT No. 78 DATE: OCT. 14 - 1960

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 5 3/4 OD TYPE THD. FH | DRILL PIPE GRADE 2-3

OPERATOR'S REPRESENTATIVE: G. B. Brown | CONTRACTOR'S TOOL PUSHER: Harry Parker

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214D
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE		3/4	1/4
RIG REPAIRS		1/2	
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL		1 1/4	1/4
DAYWORK HOURS	8	6 3/4	7 3/4
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES 8 SIZE	1 1/8
FEET SLIPPED	264
FEET CUT OFF	264
PRESENT LENGTH	3238
TON MI. or TRIPS SINCE LAST CUT	81
CUMULATIVE TON MI. or TRIPS	741
NO. OF DAYS FROM SPUD	64
CUMULATIVE ROTATING HRS.	115 1/2
DAYS SINCE LAST ACCDNT.	343
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	112
DAY TOUR	460
EVENING TOUR	356

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: H. Holan

WEATHER CONDITIONS: SNOW +20°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12[illegible]	3[illegible]	3	LOGGING
3[illegible]	8[illegible]	5	RUN VELOCITY SURVEY

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.48 FT.	Drilling or Core Bit No.	38-16
0	SNGLS. DP	FT.	TYPE	ROEBEL Q
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	6 1/8
7	6 1/8 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	8000
	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	16.01 FT.	FT. CORED	
	TOTAL	8000.00 FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B Williams

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8[illegible]	1[illegible]	5	LOGGING & RUN VELOCITY SURVEY
1[illegible]	1[illegible]	3/4	SLIP & CUT LINE 88'
1[illegible]	2[illegible]	3/4	THAW OUT D.C.'S & RUN IN
2[illegible]	3[illegible]	1/2	WORK ON MOTORS
3[illegible]	4[illegible]	1	RUNNING IN HOLE W/ CORE BBL

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7293.96 FT.	Drilling or Core Bit No.	38-10
	SNGLS. DP	FT.	TYPE	KOEBEL Q
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	6 1/8
7	6 1/2 OD	216.32 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	8000
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	22.53 FT.	FT. CORED	5
	TOTAL	8005.00 FT.	CUM. HRS. RUN	4
WT OF STRING		142,000 LBS.	CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Cold & SNOWING +20

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000		5	8005		70-80	2+3
						5+6

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	5 1/2	44	4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4[illegible]	4[illegible]	1/4	RIG SERV. & CHECK B.O.P.'S
4[illegible]	6[illegible]	1 3/4	FINISH RUN IN W/ CORE B.B.L. BREAK CIRC @ 5000'
6[illegible]	8[illegible]	2	CIRC & COND. MUD PRIOR TO CORING.
8[illegible]	12[illegible]	4	CUTTING @ CORE # 10

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			9.7	9.5
VISC.			300	90
W.L.-C.C.			7.2	8.0
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	6800 #		

REPORT No. 77

DATE: OCT. 13 - 1960

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION No. 1 | PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 5¾ OD, TYPE THD. FH | DRILL PIPE GRADE 2-3

OPERATOR'S REPRESENTATIVE: J. P. Brown. | CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	998	CONST	900	2% CACL
	J55					

MORNING TOUR

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	0	
DAYWORK HOURS	8	8	8
TOTAL HOURS	8	8	8

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: H. Holan

WEATHER CONDITIONS: C. LOUDY + 24

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12m	8a	8	LOGGING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Williams

WEATHER CONDITIONS: Cloudy + Light Rain

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8a	4p		LOGGING W/ WEIEX

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5000#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS: Cold Light Snow

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4p	12m	8	LOGGING W/ WEIEX

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1¼
FEET SLIPPED	176
FEET CUT OFF	176
PRESENT LENGTH	3326
TON MI. or TRIPS SINCE LAST CUT	324
CUMULATIVE TON MI. or TRIPS	660
NO. OF DAYS FROM SPUD	68
CUMULATIVE ROTATING HRS.	1153½
DAYS SINCE LAST ACCDNT.	342
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	111
DAY TOUR	459
EVENING TOUR	355

REPORT No. 76 DATE: OCT. 12 - 1960

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 2 1/2 | TOOL JOINT 5 3/4 OD | TYPE THD. FH | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: J. P. Brown | CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5	0	998	CLASS	600	2% CACL
	J55					

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE		1/4	
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	1/4	
DAYWORK HOURS	8	7 3/4	8
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1/8
FEET SLIPPED	176
FEET CUT OFF	176
PRESENT LENGTH	3326
TON MI. or TRIPS SINCE LAST CUT	324
CUMULATIVE TON MI. or TRIPS	~~453 1/2~~ 660
NO. OF DAYS FROM SPUD	67
CUMULATIVE ROTATING HRS.	153 1/2
DAYS SINCE LAST ACCDNT.	341
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	110
DAY TOUR	458
EVENING TOUR	364

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.48 FT.	Drilling or Core Bit No	69
2	SNGLS. DP	59.47 FT.	TYPE	W7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23478
	STB BODY OD	FT.	DEPTH IN	7980
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	7
		FT.	FT. REAMED	13
	Kelly Down	22.29 FT.	FT. CORED	
	TOTAL	8000. FT.	CUM. HRS. RUN	2 1/4
WT OF STRING		158M LBS.	CONDITION	
DRILLER	A. Stolan			
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	8:00	8	CONDITIONING MUD. (FORMATION TAKING MUD)
			PULL UP 80' FROM BOTM
			MIXING GEL

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.7	9.7	9.7	
VISC.	110	90	115	
W.L.-C.C.	7.2	7.0	7.1	
FLTR. CK.	2/32	2/32	2/32	
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	200 SXS		
SAWDUST	10 SAX		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.48 FT.	Drilling or Core Bit No.	69
2	SNGLS. DP	59.47 FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23478
	STB BODY OD	FT.	DEPTH IN	7980
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
—	BIT OR C.B.	.60 FT.	FT. DRILLED	7 3/4
		FT.	FT. REAMED	13 1/2
	Kelly Down	22.29 FT.	FT. CORED	
	TOTAL	8000.00 FT.	CUM. HRS. RUN	2 1/4
WT OF STRING		158 M LBS.	CONDITION	DULL
DRILLER	E. Williams			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000	TD					

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:45	1/4	RIG SERV CHECK BOP'S
8:45	11:30	3 1/4	MIXING MUD FORMATION TAKING MUD
11:30	2:30	3	PULL OUT TO LOG
2:30	2:45	1/4	RIG UP TO LOG
2:45	4:00	1 1/4	LOGGING W/ WELEX

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.8	9.7	T	
VISC.	205	265	A	
W.L.-C.C.	7.2	7.2	I	
FLTR. CK.	2/32	2/32	P	
pH	8.5	8.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4500		
SAWDUST	10 SAX		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.48 FT.	Drilling or Core Bit No.	
2	SNGLS. DP	59.47 FT.	TYPE	
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	22.29 FT.	FT. CORED	
	TOTAL	8000.00 FT.	CUM. HRS. RUN	
WT OF STRING		158,000 LBS.	CONDITION	
DRILLER	E. Mill			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
8000	TD.					

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	12:00	8	LOGGING W/ WELEX
			Additional 300 bbl mud lost
			Total 500 bbl.
			more

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	30,00		

REPORT No. 25 DATE: OCT 16 — 1966

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION | No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¾ OD, TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: Lloyd Parker

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 J 55	0	998	CONST	900	2% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING		1/4	1½
TRIPPING			
RIG MAINTENANCE	1¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			7½
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	4½	8	
DAYWORK HOURS	7¾	7½	
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	176
FEET CUT OFF	176
PRESENT LENGTH	9326
TON-MI. or TRIPS SINCE LAST CUT	243
CUMULATIVE TON-MI. or TRIPS	579
NO. OF DAYS FROM SPUD	66
CUMULATIVE ROTATING HRS.	1153½
DAYS SINCE LAST ACCDNT.	340
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	109
DAY TOUR	457
EVENING TOUR	353

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
79	STANDS DP	7203.81 FT.	Drilling or Core Bit No.	38-9
2	SNGLS. DP	61.16 FT.	TYPE	KOEBEL O
13	D.C. 6¼ OD	403.41 FT.	SIZE	6¼
7	6½ OD	216.82 FT.	NOZZ. SIZE	
1	SUB OD	3.50 FT.	SERIAL No.	4440
1.	STB BODY OD	4.10 FT.	DEPTH IN	7980
1	SUBS OD	1.93 FT.	DEPTH OUT	7993
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	31.19 FT.	FT. CORED	13
	TOTAL	7993 FT.	CUM. HRS. RUN	6¾
WT OF STRING		156,000 LBS.	CONDITION	
DRILLER	D. Nolan			
WEATHER CONDITIONS	+ 22			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7980		13	7993	CORED 13' REC. 13'	95	8/10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1125	6"	43	6¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¼⁵	¼	RIG SERV CHECK BOP'S
12¼⁵	12½⁵	½	CIRC CORE BBL
12½⁵	7.30	6 ¾	CUTTING CORE #9 BBL JAMMED
7³⁰	8⁰⁰	½	PULLING OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		10.3	10.3	10.3
VISC.		185	165	165
W.L.-C.C.		7.0	7.2	
FLTR. CK.		32	32	
pH		9.0	9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.48 FT.	Drilling or Core Bit No.	69
2	SNGLS. DP	59.47 FT.	TYPE	W-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23478
	STB BODY OD	FT.	DEPTH IN	7980
	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	2 ¼ HR
		FT.	FT. REAMED	13 1½ HR
	Kelly Down	17.26 FT.	FT. CORED	
	TOTAL	7995.48 FT.	CUM. HRS. RUN	1¾
WT OF STRING		LBS.	CONDITION	IN
DRILLER	B. Williams			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7980	2	13	7995		90	15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1050	6"	57	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV CHECK B.O.P.'S
8¹⁵	11³⁰	3 ¾	FINISH OUT W/ CORE BBL
11³⁰	1³⁰	1 ⅛	RECOVER CORE & SERVICE & STO BACK CORE BBL
1³⁰	2⁰⁰	1	RUN IN W/ BIT #69
2⁰⁰	2¹⁵	¼	BREAK CIRC
2¹⁵	3⁴⁵	1	REAM 6'18 RATHOLE TO 9"
3⁴⁵	4⁰⁰	¼	DRLG 9" HOLE

Core 7980-7993 — 13' Recovered 13' Core Jammed

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			T	10.2
VISC.			R	190
W.L.-C.C.			I	6.6
FLTR. CK.			P	2/32
pH				9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7296.48 FT.	Drilling or Core Bit No.	69
2	SNGLS. DP	59.47 FT.	TYPE	W-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23478
	STB BODY OD	FT.	DEPTH IN	7980
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	7 ¼ HR.
		FT.	FT. REAMED	13' 1½ HR.
	Kelly Down	22.29 FT.	FT. CORED	
	TOTAL	8000.00 FT.	CUM. HRS. RUN	2¼
WT OF STRING		156,000 LBS.	CONDITION	IN
DRILLER	B. Mill			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7995	5		8000		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1050	6"	57	½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4³⁰	½	DRILLING 9" HOLE
4³⁰	4⁴⁵	¼	RIG SERV. & CHECK B.O.P.
4⁴⁵	12⁰⁰	7 ¼	CIRC & MIX MUD FOR LOSS CIRC @ 7995'
			LOST 200 BBLS TO FORMATION @ 7995'

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	200 #		
TANNATHIN	150 #		
CAUSTIC	100 #		
SAW DUST	130 SAX		
Q.X.	50 #		
DRISCOSE	150 #	LO VIS	

REPORT No. 74 DATE: OCT, 10 - 1960

DAILY DRILLING REPORT

OPERATOR: ROC

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO. 16

DRILL PIPE STRING NO. SIZE 4½ TYPE THD. FH

TOOL JOINT 5 3/4 OD

DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown.

CONTRACTOR'S TOOL PUSHER: Harry Cooke

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 J-55	0	998	CONST	400	2% CACL

TIME DISTRIBUTION — HOURS

	Mom	Day	Eve
DRILLING	7 3/4	5½	
TRIPPING		¾	
RIG MAINTENANCE	1/4	1/4	1 3/4
RIG REPAIRS			
HOLE SURVEYS		1/4	
CONDITIONING MUD			
CONDITIONING HOLE		1/4	
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	6 3/4	1 3/4
DAYWORK HOURS		9	4 6 1/4
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	176
FEET CUT OFF	176
PRESENT LENGTH	3326
TON MI. or TRIPS SINCE LAST CUT	81
CUMULATIVE TON MI. or TRIPS	417
NO. OF DAYS FROM SPUD	60
CUMULATIVE ROTATING HRS.	114 1/2
DAYS SINCE LAST ACCDNT.	339
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	108
DAY TOUR	456
EVENING TOUR	352

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.48 FT.	Drilling or Core Bit No.	68
1	SNGLS. DP	29.00 FT.	TYPE	H-7
13	D.C. 6½ OD	403.41 FT.	SIZE	9"
1	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	430387
	STB BODY OD	FT.	DEPTH IN	7898
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	65
		FT.	FT. REAMED	
	Kelly Down	15.76 FT.	FT. CORED	
	TOTAL	7963 FT.	CUM. HRS. RUN	15¼
WT OF STRING		151,000 LBS.	CONDITION	IN

DRILLER: H. Nolan

WEATHER CONDITIONS: CLEAR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7933	30		7963		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	7 3/4

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12 00	12 15		1/4	RIG SERV CHECK BOP'S
12 15	8 00	7	3/4	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	123	127	135	150
W.L.-C.C.	7.2	7.4	6.8	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE 50#			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7324.48 FT.	Drilling or Core Bit No.	68
5	SNGLS. DP	29.90 FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
1	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	430387
	STB BODY OD	FT.	DEPTH IN	7898
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7980
	BIT OR C.B.	.60 FT.	FT. DRILLED	82
		FT.	FT. REAMED	
	Kelly Down	32.76 FT.	FT. CORED	
	TOTAL	7980.00 FT.	CUM. HRS. RUN	20 3/4
WT OF STRING		151M LBS.	CONDITION	DULL

DRILLER: B. Williams

WEATHER CONDITIONS: Clear & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7963	17		7980	DOLOMITE	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	5½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7980	3°							

From	To	Elapsed Time		REMARKS
8 00	8 15		1/4	RIG SERV CHECK BOP'S
8 15	1 45	5	1/2	DRLG 9' HOLE
1 45	2 15	1	1/2	CIRC COND HOLE PRIOR TO CORING
2 15	2 30		1/4	SURVEY
2 30	4 00		1/2	PULL OUT FOR CORE BBL D.S.L.M.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	150	150	145	R
W.L.-C.C.	7.0	6.6	6.8	1
FLTR. CK.	3/32	3/32	3/32	P
pH	9.0	9.0	9.0	
SD. CONT.		1%		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
79	STANDS DP	7203.81 FT.	Drilling or Core Bit No.	38-9
2	SNGLS. DP	61.16 FT.	TYPE	HOFSTEL
13	D.C. 6¼ OD	403.41 FT.	SIZE	6¼
7	6½ OD	216.82 FT.	NOZZ. SIZE	
1	JAUER SUB OD	3.50 FT.	SERIAL No.	4446
1	STB BODY OD	4.10 FT.	DEPTH IN	7980
1	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	18.92 FT.	FT. CORED	
	TOTAL	7980.00 FT.	CUM. HRS. RUN	
WT OF STRING		158,000 LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7980	—	—	7980			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4 00	4 15		1/4	RIG SERV & CHECK B.O.P.'S
4 15	7 00	3	3/4	FINISH OUT FOR CORE B.BL. D.S.L.M.
7 00	8 00	1		PICK UP CORE B.BL. JARS & STABILIZER.
8 00	9 00	1	1/2	SLIP 44' & CUT 44' DRILL LINE
10 00	11 45	1	3/4	RUN IN W/ CORE B.BL.
11 45	12 00		1/4	BREAK CIRC.

(PIPE TALLY 7980
MEASURE 7981.41
DIFF 1.41

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 73

DATE: OCT. 9 - 1960

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6" OD | TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: Lloyd Tucker

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜"	54.5	0	998	Const.	900 SAX	2% Cacl.
	H-40					

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7¾	3¼	7½
TRIPPING		4½	¼
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	8
NO. OF LINES	8 SIZE 1¼
FEET SLIPPED	132
FEET CUT OFF	132
PRESENT LENGTH	7370
TON MI. or TRIPS SINCE LAST CUT	255
CUMULATIVE TON MI. or TRIPS	1723
NO. OF DAYS FROM SPUD	64
CUMULATIVE ROTATING HRS.	1131¼
DAYS SINCE LAST ACCDNT.	338
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	351
DAY TOUR	107
EVENING TOUR	455

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
79	STANDS DP	7203.8 FT.	Drilling or Core Bit No.	67
1	SNGLS. DP	30.50 FT.	TYPE	H-7
13	D.C. 6¼ OD	403.4 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427570
	STB BODY OD	FT.	DEPTH IN	7820
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	67
		FT.	FT. REAMED	
	Kelly Down	29.93 FT.	FT. CORED	
	TOTAL	7887.00 FT.	CUM. HRS. RUN	18¾
WT OF STRING	150,000 LBS.		CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & Cool +18°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7859	28		7887		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	#0			
PUMP No. 2	1000	6"	58	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12¹⁵		¼	Rig Serv. & Check B.O.P's
12¹⁵	8⁰⁰	7	¾	Drilling 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	120	125	120	123
W.L.-C.C.	6.0	6.6	6.8	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.5	9.5	9.5	9.0
SD. CONT.	1.70	1.70	1.70	170

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
79	STANDS DP	7203.8 FT.	Drilling or Core Bit No.	67	68
1	SNGLS. DP	30.50 FT.	TYPE	H-7	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	427570	430387
	STB BODY OD	FT.	DEPTH IN	7820	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7898	
	BIT OR C.B.	.60 FT.	FT. DRILLED	78	
		FT.	FT. REAMED		
	Kelly Down	41.34 FT.	FT. CORED		
	TOTAL	7898 FT.	CUM. HRS. RUN	22	
WT OF STRING	150,000 LBS.		CONDITION	Dull	

DRILLER: H. Nolan

WEATHER CONDITIONS: Cool +22°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7887	11		7898		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	3¼

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	11¹⁵	3	¼	DRLG
11¹⁵	11³⁰		¼	Rig Serv Check BOP's
11³⁰	4⁰⁰	4	½	Trip For Bit #68

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3			
VISC.	120			
W.L.-C.C.	7.4			
FLTR. CK.	2/32			
pH	7.0			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7295.18 FT.	Drilling or Core Bit No.	68
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	430387
	STB BODY OD	FT.	DEPTH IN	7898
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	35
		FT.	FT. REAMED	
	Kelly Down	15.76 FT.	FT. CORED	
	TOTAL	7933.00 FT.	CUM. HRS. RUN	7½
WT OF STRING	151M LBS.		CONDITION	IN

DRILLER: E. Williams

WEATHER CONDITIONS: Clear Cool +12

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7898	35		7933	Dolomite	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	7½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	Run in w/ Bit #68
4¹⁵	4³⁰		¼	Rig Serv Check BOP's
4³⁰	12⁰⁰	7	½	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	125	135	135	130
W.L.-C.C.	6.8	7.0	6.4	6.2
FLTR. CK.	3/32	2/32	3/32	3/32
pH	9.0	9.0	9.0	9.5
SD. CONT.	1.90			1.90

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	75#		
TANNATHIN	50#		
QX	100		
~~QBX~~	~~2500~~		
GEL	2500#		

REPORT No. 72 DATE: OCT 8, 60

DAILY DRILLING REPORT

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
RICHFIELD OIL CORP.		POINT SEPERATION	1	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	DRILL PIPE GRADE
PETER BAWDEN DRILLING LIMITED	16	4½	6" OD, TYPE THD. F. H.	E

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
J. R. Brown	Doug Baker

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	CONST	900 SAX	2% CaCl2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6	3¼	7¾
TRIPPING	1¾	3¼	
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1/48
FEET SLIPPED	132
FEET CUT OFF	132
PRESENT LENGTH	3370
TON MI. or TRIPS SINCE LAST CUT	82
CUMULATIVE TON MI. or TRIPS	1533
NO. OF DAYS FROM SPUD	63
CUMULATIVE ROTATING HRS.	1112 ¾
DAYS SINCE LAST ACCDNT.	337
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	350
DAY TOUR	106
EVENING TOUR	454

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
78	STANDS DP	7113.63 FT.	Drilling or Core Bit No	66
2	SNGLS. DP	59.75 FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427634
	STB BODY OD	FT.	DEPTH IN	7747
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT	7820
	BIT OR C.B.	.60 FT.	FT. DRILLED	73
		FT.	FT. REAMED	
	Kelly Down	23.86 FT.	FT. CORED	
	TOTAL	7820.00 FT.	CUM. HRS. RUN	20½
WT OF STRING	150,000 LBS.		CONDITION	HOISTING
DRILLER	E. Mell			
WEATHER CONDITIONS	WINDY & COLD & SNOWING			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
7804	16		7820		90	40	PUMP No. 1				
							PUMP No. 2	1000	6"	58	6

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12¹¹⁵		¼	Rig Serv. & Check B.O.P.
12¹²	6¹²	6		Drilling 9" Hole
6¹³	8⁰⁰	1	¾	Pull out w/Bit.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	
VISC.	132	125	120	
W.L.-C.C.	6.4	6.6	7.4	
FLTR. CK.	2/32	2/32	2/32	
pH	9.0	9.0	8.0	
SD. CONT.	17o	17o	17o	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
78	STANDS DP	7113.63 FT.	Drilling or Core Bit No.	67
2	SNGLS. DP	59.75 FT.	TYPE	H7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427570
	STB BODY OD	FT.	DEPTH IN	7820
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	12
		FT.	FT. REAMED	
	Kelly Down	35.86 FT.	FT. CORED	
	TOTAL	7832 FT.	CUM. HRS. RUN	3¼
WT OF STRING	150,000 LBS.		CONDITION	IN
DRILLER	Pat Holan			
WEATHER CONDITIONS	SNOW 60 MPH WIND.			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
7820	12		7832		90	40	PUMP No. 1				
							PUMP No. 2	1000	6¼	58	3¼

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	8¹⁵		¼	Rig Serv. Check BOP's
8¹⁵	9³⁰	1	¼	Finish out
9³⁰	10³⁰	1		Slip 22' Cut 4¼' Drlg Line
10³⁰	12³	2		Run in w/ Bit #67
12³	12⁴⁵		¼	Break Circ Clean 5' To Botm.
12⁴⁵	4⁰⁰	3	¼	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		TR	10	10.3
VISC.				140
W.L.-C.C.				7.0
FLTR. CK.				2/32
pH				9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
79	STANDS DP	7203.81 FT.	Drilling or Core Bit No.	67
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427570
	STB BODY OD	FT.	DEPTH IN	7820
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	39
		FT.	FT. REAMED	
	Kelly Down	33.43 FT.	FT. CORED	
	TOTAL	7859.00 FT.	CUM. HRS. RUN	11
WT OF STRING	154M LBS.		CONDITION	IN
DRILLER	B. Williams			
WEATHER CONDITIONS	Balmy Evening			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
7832	27		7859	Dolomite	90	40	PUMP No. 1				
							PUMP No. 2	1000	6"	58	7¾

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	Rig Serv Check BOP's
4¹⁵	12⁰⁰	7	¾	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	135	135	130	130
W.L.-C.C.	7.0	6.6	6.6	6.4
FLTR. CK.	3/32	3/32	3/32	3/32
pH	9.0	9.0	9.0	9.5
SD. CONT.	1%			1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		
CAUSTIC	50		
QX	50		
TAMATHIN	50		

REPORT No. 71 DATE: OCT 7, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6" OD TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. A. Brown | CONTRACTOR'S TOOL PUSHER: Norm Cook

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H.40	0	998	Consl.	900 SAX	2% CaCl.

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	3	6¾	7¾
TRIPPING	4	¾	
RIG MAINTENANCE	¾	1¼	1¼
RIG REPAIRS			
HOLE SURVEYS	1¼		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	110
FEET CUT OFF	89
PRESENT LENGTH	3412
TON MI. or TRIPS SINCE LAST CUT	410
CUMULATIVE TON MI. or TRIPS	1383

NO. OF DAYS FROM SPUD	62
CUMULATIVE ROTATING HRS.	1095 3/4
DAYS SINCE LAST ACCDNT.	336
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	349
DAY TOUR	105
EVENING TOUR	453

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
77	STANDS DP	7023.04 FT.	Drilling or Core Bit No	65	66
2	SNGLS. DP	60.64 FT.	TYPE	H-7	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
1	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	422925	427634
	STB BODY OD	FT.	DEPTH IN	7659	7747
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7747	
	BIT OR C.B.	.60 FT.	FT. DRILLED	68	
		FT.	FT. REAMED	20-3 HRS	
	Kelly Down	40.56 FT.	FT. CORED		
	TOTAL	7747.00 FT.	CUM. HRS. RUN	20	
WT OF STRING	150,000 LBS.		CONDITION		

DRILLER: F. Mill

WEATHER CONDITIONS: Cloudy & Cool 24+

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7738	9		7747		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	3

DEVIATION RECORD: DEPTH 7745 DEV. 1¾° DIRECTION

From	To	Elapsed Time		REMARKS
12:00	3:00	3		DRILLING 9" HOLE
3:00	3:15		¼	SURVEY.
3:15	3:30		¼	RIG SERV. & CHECK B.O.P.'s
3:30	6:30	3		PULL OUT W/ BIT
6:30	7:00		½	SLIP 22' DRILL LINE
7:00	8:00	1		RUN IN W/ BIT # 66

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4			
VISC.	155			
W.L.-C.C.	6.0			
FLTR. CK.	2/32			
pH	9.0			
SD. CONT.	4%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
78	STANDS DP	7113.63 FT.	Drilling or Core Bit No.	66
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427634
	STB. BODY OD	FT.	DEPTH IN	7747
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	28
		FT.	FT. REAMED	
	Kelly Down	38.61 FT.	FT. CORED	
	TOTAL	7775. FT.	CUM. HRS. RUN	6 3/4
WT OF STRING	143,000 LBS.		CONDITION	IN

DRILLER: B. Stolan

WEATHER CONDITIONS: Cool +22°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7747	28		7775		90	40

	PUMP PPESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	6¾

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:15		¼	RIG SERV CHECK BOP'S
8:15	9:00		¾	FINISH IN
9:00	9:15		¼	BREAK CIRC.
9:15	4:00	6	¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		10.3	10.3	10.3
VISC.	T	160	117	130
W.L.-C.C.	K	6.4	7.6	7.4
FLTR. CK.	1	2/32	2/32	2/32
pH	D	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
78	STANDS DP	7113.63 FT.	Drilling or Core Bit No.	66
1	SNGLS. DP	29.34 FT.	TYPE	H-7
13	D.C. OD	403.41 FT.	SIZE	9"
7	OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427634
	STB BODY OD	FT.	DEPTH IN	7747
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	57
		FT.	FT. REAMED	
	Kelly Down	38.27 FT.	FT. CORED	
	TOTAL	7804.00 FT.	CUM. HRS. RUN	14½
WT OF STRING	150M LBS.		CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Snowy & Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7775	29		7804	DOLOMITE	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	7¾

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
4:00	4:15		¼	RIG SERV CHECK BOP'S
4:15	12:00	7	¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	117	125	125	120
W.L.-C.C.	7.4	7.0	6.4	6.2
FLTR. CK.	2/32	3/32	3/32	3/32
pH	9.0	9.0	9.0	9.0
SD. CONT.	1%			1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

REPORT No. 70 DATE: OCT. 6, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Point Seperation No. 1 | PROVINCE: N.W.T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6" OD, TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: Doug Carter

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	Conv.	900 Sax	2% Cacl.

TIME DISTRIBUTION — HOURS

	Morn.	Day	Eve
DRILLING		6¼	7¾
TRIPPING			
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	½	6½	8
DAYWORK HOURS	7½	11½	
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES / SIZE	8 / 1⅛
FEET SLIPPED	88
FEET CUT OFF	88
PRESENT LENGTH	3412
TON MI. or TRIPS SINCE LAST CUT	246
CUMULATIVE TON MI. or TRIPS	1219
NO. OF DAYS FROM SPUD	61
CUMULATIVE ROTATING HRS.	1078¼
DAYS SINCE LAST ACCDNT.	335
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	348
DAY TOUR	104
EVENING TOUR	452

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
77	STANDS DP	7023.04 FT.	Drilling or Core Bit No.	38-8	65
	SNGLS. DP	FT.	TYPE	Reed Koebel	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	6⅛	9
7	6½ OD	216.82 FT.	NOZZ. SIZE		11/16
	RMR BODY OD	FT.	SERIAL No.	444042293	5
	STB BODY OD	FT.	DEPTH IN	7659	7659
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7679	
	BIT OR C.B.	.60 FT.	FT. DRILLED		
		FT.	FT. REAMED		8
	Kelly Down	21.20 FT.	FT. CORED	20	
	TOTAL	7667.00 FT.	CUM. HRS. RUN	8	1½
WT OF STRING		150,000 LBS.	CONDITION	Good	IN

DRILLER: L. Mill

WEATHER CONDITIONS: Cloudy & Cool.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7676		Cored 3	7679		90	10
7659		Ream 8	7667		100	15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	5½	54	¾
PUMP No. 2	950	6"	56	1½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12⁴⁵	¾	Cutting @ Core # 8
12⁴⁵	1⁰⁰	¼	Rig Serv. & Check B.O.P.
1⁰⁰	3³⁰	2½	Pull out w/ Core.
3³⁰	4³⁰	1	Lay down Jars, Recover Core & Stand Back D.Cl.
4³⁰	6¹⁵	1¾	Run in w/ Bit # 65
6¹⁵	6³⁰	¼	Break Circ.
6³⁰	8⁰⁰	1½	Ream 6⅛" Rat Hole to 9" Hole

Core #8 7659 - 7679 = 20 ft. Recovered 19 ft.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				10.4
VISC.				200
W.L.-C.C.				5.9
FLTR. CK.				2/32
pH				9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
77	STANDS DP	7023.04 FT.	Drilling or Core Bit No.	65	
1	SNGLS. DP	30.15 FT.	TYPE	H-7	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9	
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	422925	
	STB BODY OD	FT.	DEPTH IN	7659	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	28	6¼
		FT.	FT. REAMED	20'	3HRS
	Kelly Down	31.25 FT.	FT. CORED		
	TOTAL	7707.05 FT.	CUM. HRS. RUN	9¼	
WT OF STRING		150,000 LBS.	CONDITION	IN	

DRILLER: N. Strang

WEATHER CONDITIONS: WINDY LIGHT SNOW.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7667		12	7679		100	15
7679	28		7707		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv. Check BOP's
8¹⁵	9⁴⁵	1½	Ream 6⅛ to 9" Hole.
9⁴⁵	4⁰⁰	6¼	Drlg.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	215	200	180	140
W.L.-C.C.	6.6	7.4	7.4	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Caustic	50#		
QX	50#		
Tannathin	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
77	STANDS DP	7023.04 FT.	Drilling or Core Bit No.	65	
2	SNGLS. DP	60.64 FT.	TYPE	H-7	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	422925	
	STB BODY OD	FT.	DEPTH IN	7659	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	59	
		FT.	FT. REAMED	20'	3HRS
	Kelly Down	31.56 FT.	FT. CORED		
	TOTAL	7738.05 FT.	CUM. HRS. RUN	17	
WT OF STRING		150,000 LBS.	CONDITION	IN	

DRILLER: B. Williams

WEATHER CONDITIONS: Cool & Clear

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7707	31		7738		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6"	58	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	Rig Serv. Check BOP's
4¹⁵	12⁰⁰	7¾	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	125	130	125	120
W.L.-C.C.	7.0	6.8	6.4	6.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.	1%			1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
DRISCOSE	50#		

CLEANED SECOND-HALF OF #1 TANK

REPORT No. 69 DATE: Oct 5, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD, TYPE THD. F.H. | DRILL PIPE GRADE E

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/4	54.5 H-40	0	998	CONST	900 SAX	2% CACL.

OPERATOR'S REPRESENTATIVE: D. R. Brown

CONTRACTOR'S TOOL PUSHER: Burt Parker

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7		
TRIPPING			
RIG MAINTENANCE	1/4	1	1/4
RIG REPAIRS		1 1/4	
HOLE SURVEYS		1/4	
CONDITIONING MUD			
CONDITIONING HOLE	3/4		
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	2 1/2	3/4
DAYWORK HOURS		5 1/2	2 3/4
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	88
FEET CUT OFF	88
PRESENT LENGTH	3412
TON MI. or TRIPS SINCE LAST CUT	82
CUMULATIVE TON MI. or TRIPS	1055
NO. OF DAYS FROM SPUD	60
CUMULATIVE ROTATING HRS.	1060 1/2
DAYS SINCE LAST ACCDNT.	334
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	347
DAY TOUR	103
EVENING TOUR	451

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
77	STANDS DP	7023.04 FT.	Drilling or Core Bit No.	64
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/4 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	422919
	STB BODY OD	FT.	DEPTH IN	7565
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	7659
	BIT OR C.B.	1.60 FT.	FT. DRILLED	94
		FT.	FT. REAMED	
	Kelly Down	13.20 FT.	FT. CORED	
	TOTAL	7659.00 FT.	CUM. HRS. RUN	22 1/2
WT OF STRING	140,000 LBS.		CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & Cool +34°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7532	27		7659		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	5 1/2	57	3
PUMP No. 2	1000	6 1/2	51	4

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12	12 1/5	1/4	Rig Serv. + Check B.O.P's
12 1/5	7 1/5	7	Drilling 9" Hole
7 1/5	8	3/4	Circ Prior To Core

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	135	142	125	123
W.L.-C.C.	6.2	5.8	6.4	6.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.	1/4%	1/4%	1/4%	1/4%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
76	STANDS DP	6931.45 FT.	Drilling or Core Bit No.	64	38-8
1	SNGLS. DP	30.56 FT.	TYPE	H 7	◇
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"	6 1/8
7	6 1/4 OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	422919	4440
	STB BODY OD	FT.	DEPTH IN	7565	7659
	SUBS OD	1.93 FT.	DEPTH OUT	7659	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	94	
	JARS	17.00 FT.	FT. REAMED		
	Kelly Down	27.45 FT.	FT. CORED		
	TOTAL	7659. FT.	CUM. HRS. RUN	22 1/2	
WT OF STRING	140,000 LBS.		CONDITION	Dull	

DRILLER: K. Stolan

WEATHER CONDITIONS: CLOUDY FAIR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7659			7659		—	—

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	—	—	—	—
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8	8 3/0	1/2	Circ Hole Clean
8 3/0	8 4/5	1/4	Survey.
8 4/5	9	1/4	Rig Serv Check BOP's
9	11 1/5	2 3/4	Pull out To Run Core Bbl
11 1/5	12 1/5	1/2	Pick up Core Bbl Make up Bit & Jars.
12 1/5	1 3/0	1 1/4	Weld Grind & Repair Drum
1 3/0	2 1/5	3/4	Slip 22' Cut 44' Drlg Line
2 1/5	4	1 3/4	Run in w/ Core Bbl.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
76	STANDS DP	6931.45 FT.	Drilling or Core Bit No.	38-8
1	SNGLS. DP	30.56 FT.	TYPE	Koebel ◇
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	6 1/8
7	6 1/4 OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	7659
	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	◇
	JARS	7.10 FT.	FT. REAMED	
	Kelly Down	26.45 FT.	FT. CORED	17
	TOTAL	7676.00 FT.	CUM. HRS. RUN	7 1/4
WT OF STRING	150M LBS.		CONDITION	IN

DRILLER: L. Williams

WEATHER CONDITIONS: Clear Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7659		17	7676	LIMESTONE	90	6 to 8 / 10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	5 1/2	54	7 1/4
PUMP No. 2		6"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4	4 1/5	1/4	Rig Serv Check BOP's
4 1/5	4 1/2	1/2	Circ Clean To Bottom Prior To Coring
4 1/2	12	7 1/4	Cutting @ Core #8

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T	10.4	10.4	10.4
VISC.	R	170	160	160
W.L.-C.C.	I	6.8	6.8	7.0
FLTR. CK.	P	3/32	3/32	3/32
pH		8.5	8.5	8.5
SD. CONT.		1.25%	8.0	1.25%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 68 DATE: OCT 4, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H.40	0	998	CONST	900 SAX	2% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	1¼	7¾	7¾
TRIPPING	5¼		
RIG MAINTENANCE	3/4	1¼	1¼
RIG REPAIRS	½		
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS		4	
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	8 SIZE 1/18
FEET SLIPPED	66
FEET CUT OFF	44
PRESENT LENGTH	3456
TON MI. or TRIPS SINCE LAST CUT	384
CUMULATIVE TON MI. or TRIPS	889
NO. OF DAYS FROM SPUD	59
CUMULATIVE ROTATING HRS.	1046¼
DAYS SINCE LAST ACCDNT.	333
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	346
DAY TOUR	102
EVENING TOUR	450

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
75	STANDS DP	6839.03 FT.	Drilling or Core Bit No	63	64
2	SNGLS. DP	61.97 FT.	TYPE	W-7	W-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	23476	42279 23476
	STB BODY OD	FT.	DEPTH IN	7483	7565
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7565	
	BIT OR C.B.	.60 FT.	FT. DRILLED	82	
		FT.	FT. REAMED		
	Kelly Down	41.24 FT.	FT. CORED		
	TOTAL	7565.8 FT.	CUM. HRS. RUN	2.1¼	
WT OF STRING	140,000 LBS.		CONDITION	DULL 2 OUT	

DRILLER: L. Hill

WEATHER CONDITIONS: Cold. +25

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7561	4		7565		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	950	6½	52	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
/								

From	To	Elapsed Time		REMARKS
12⁰⁰	1³⁰	1	¼	DRILLING 9" HOLE
1³⁰	1⁴⁵		¼	RIG SERV. + CHECK B.O.P.
1⁴⁵	2⁰⁰		½	WORK ON BREAK OUT CATHEAD
2⁰⁰	5⁰⁰	3		POH OUT W/BIT
5⁰⁰	5³⁰		½	SLIP LINE 22'
5³⁰	7⁴⁵	2	¼	RUN IN W/BIT #64
7⁴⁵	8⁰⁰		¼	BREAK CIRC

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3			
VISC.	135			
W.L.-C.C.	6.4			
FLTR. CK.	2/32			
pH	9.0			
SD. CONT.	1¼			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
76	STANDS DP	6931.48 FT.	Drilling or Core Bit No.	64
1	SNGLS. DP	30.48 FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	42299
	STB BODY OD	FT.	DEPTH IN	7565
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	34
		FT.	FT. REAMED	
	Kelly Down	14.38 FT.	FT. CORED	
	TOTAL	7599. FT.	CUM. HRS. RUN	7¾
WT OF STRING	140,000 LBS.		CONDITION	IN

DRILLER: B. Nolan

WEATHER CONDITIONS: SUNNY COOL +31

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7565	34		7599		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	950	6½	54	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	8¹⁵		¼	RIG SERV. CHECK BOP'S
8¹⁵	4⁰⁰	7	¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		10.4	10.4	10.4
VISC.		175	140	125
W.L.-C.C.		6.0	7.6	7.2
FLTR. CK.		2/32	2/32	2/32
pH		9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		
GEL	1000#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
76	STANDS DP	6931.48 FT.	Drilling or Core Bit No.	64
2	SNGLS. DP	61.00 FT.	TYPE	H-7
13	D.C. 6¼ OD	FT.	SIZE	9"
7	6½ OD	FT.	NOZZ. SIZE	11/16
	REAR BODY OD	FT.	SERIAL No.	42299
	STB BODY OD	FT.	DEPTH IN	7565
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	60 FT.	FT. DRILLED	67
		FT.	FT. REAMED	
	Kelly Down	16.76 FT.	FT. CORED	
	TOTAL	7532.00 FT.	CUM. HRS. RUN	15½
WT OF STRING	140M LBS.		CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Clear Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7599	33		7532		90t 110	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	5½	52	1½
PUMP No. 2	950	6½	53	6¼

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	RIG SERV CHECK BOP'S
4¹⁵	12⁰⁰	7	¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	118	120	125	125
W.L.-C.C.	7.6	7.2	7.0	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.	1.25%			1.25%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
GX	50#		
DRISCOSE	50#		

REPORT No. 67 DATE: OCT 3, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD | TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. B. Brown. | CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H.40	0	998	CONST.	900 SAX	2% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4½	7¾	7¾
TRIPPING	3		
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	44
FEET CUT OFF	44
PRESENT LENGTH	3456
TON MI. or TRIPS SINCE LAST CUT	226
CUMULATIVE TON MI. or TRIPS	831
NO. OF DAYS FROM SPUD	5V
CUMULATIVE ROTATING HRS.	102 9½
DAYS SINCE LAST ACCDNT.	322
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	345
DAY TOUR	101
EVENING TOUR	449

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
75	STANDS DP	6839.03 FT.	Drilling or Core Bit No.	63
	SNGLS. DP	FT.	TYPE	W7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23476
	STB BODY OD	FT.	DEPTH IN	7483
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	13
		FT.	FT. REAMED	
	Kelly Down	34.21 FT.	FT. CORED	
	TOTAL	7496.60 FT.	CUM. HRS. RUN	4½
WT OF STRING		141,000 LBS.	CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & Cool +31

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7483	13		7496		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	1000	6½	58	4¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12	1:30	1½	FINISH PULL OUT W/BIT.
1:30	1:45	¼	RIG SERV. & CHECK B.O.P.
1:45	3:15	1½	RUN IN W/BIT # 63.
3:15	3:30	¼	BREAK CIRC & CIRC TO BOTTOM.
3:30	8:00	4½	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T		10.2	10.1
VISC.	R		155	108
W.L.-C.C.			6.2	7.2
FLTR. CK.		P	2/32	2/32
pH			9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
75	STANDS DP	6839.03 FT.	Drilling or Core Bit No.	63
1	SNGLS. DP	31.43 FT.	TYPE	W7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23476
	STB BODY OD	FT.	DEPTH IN	7483
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	47
		FT.	FT. REAMED	
	Kelly Down	36.76 FT.	FT. CORED	
	TOTAL	7530.40 FT.	CUM. HRS. RUN	12¼
WT OF STRING		140,000 LBS.	CONDITION	IN

DRILLER: A. Nolan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7496	34		753		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6"	60	2
PUMP No. 2	950	6½	58	5¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	RIG SERV CHECK BOP'S
8:15	4:00	7¾	DRLG

NEW RUD IN #2 PUMP FAR SIDE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	130	145	132	127
W.L.-C.C.	7.0	7.2		
FLTR. CK.	2/32	2/32		
pH	9.0	9.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
75	STANDS DP	6839.03 FT.	Drilling or Core Bit No.	63
2	SNGLS. DP	61.90 FT.	TYPE	W-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23476
	STB BODY OD	FT.	DEPTH IN	7483
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	78
		FT.	FT. REAMED	
	Kelly Down	27.14 FT.	FT. CORED	
	TOTAL	7561.00 FT.	CUM. HRS. RUN	20
WT OF STRING		140M LBS.	CONDITION	IN

DRILLER: B. McWilliams

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2530	31		7561	DOLOMITE	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	950	6½	58	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	RIG SERV CHECK BOP'S
4:15	12:00	7¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	10.3
VISC.	130	135	130	130
W.L.-C.C.	7.0	6.6	6.6	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	8.5	8.5
SD. CONT.	1.25%			1.25%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE	50#		
GEL	500#		

REPORT No. 66 DATE: Oct 8/60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: PT. SEPARATION No. 1 | PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD, TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: D. R. Brown. | CONTRACTOR'S TOOL PUSHER: [signature]

PUMP:

No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.		
3.		

CASING & LINER RECORD:

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	CONST	950 Sax	2% CaCl

TIME DISTRIBUTION—HOURS

	Mom	Day	Eve
DRILLING	5	7¼	6½
TRIPPING	1½		1¼
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS	½		
HOLE SURVEYS			¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS	¾		
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1¼
FEET SLIPPED	44
FEET CUT OFF	44
PRESENT LENGTH	3456
TON MI. or TRIPS SINCE LAST CUT	150
CUMULATIVE TON MI. or TRIPS	753
NO. OF DAYS FROM SPUD	57
CUMULATIVE ROTATING HRS.	1009½
DAYS SINCE LAST ACCDNT.	331
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	448
DAY TOUR	344
EVENING TOUR	100

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
74	STANDS DP	6745.29 FT.	Drilling or Core Bit No.	62
1	SNGLS. DP	31.32 FT.	TYPE	H-7
13	D.C. 6¼ OD	408.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	H02338
	STB BODY OD	FT.	DEPTH IN	7413
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	24
		FT.	FT. REAMED	
	Kelly Down	37.62 FT.	FT. CORED	
	TOTAL	7437.00 FT.	CUM. HRS. RUN	5
WT OF STRING	141M LBS.		CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Snowy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7413	24		7437	DOLOMITE	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	900	6½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	RIG SERV CHECK BOP'S
12¹⁵	1⁰⁰	¾	SHIP & CUT DRLG LINE SLIP 22' CUT 44'
1⁰⁰	1³⁰	½	WORK ON #4 MOTOR
1³⁰	3⁰⁰	1½	RUN IN W/ BIT #62
3⁰⁰	8⁰⁰	5	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T	10.3	10.2	10.2
VISC.	R	150	140	130
W.L.-C.C.	I	7.2	7.0	6.6
FLTR. CK.	P	2/32	2/32	2/32
pH		8.0	8.0	8.5
SD. CONT.				1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		
9X	100#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
74	STANDS DP	6745.29 FT.	Drilling or Core Bit No.	62
2	SNGLS. DP	62.10 FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	H02338
	STB BODY OD	FT.	DEPTH IN	7413
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	52
		FT.	FT. REAMED	
	Kelly Down	34.85 FT.	FT. CORED	
	TOTAL	7465.09 FT.	CUM. HRS. RUN	12¾
WT OF STRING	141,000 LBS.		CONDITION	IN

DRILLER: B. Neill

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7437	28		7465		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	990	6½	58	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV & CHECK B.O.P.
8¹⁵	4⁰⁰	7¾	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.1	10.1	10.1	10.1
VISC.	115	108	110	107
W.L.-C.C.	6.2	6.8	7.0	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.	1%	1%	1%	1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
74	STANDS DP	6839.03 FT.	Drilling or Core Bit No.	62
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	402338
	STB BODY OD	FT.	DEPTH IN	7413
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7483
	BIT OR C.B.	.60 FT.	FT. DRILLED	70
		FT.	FT. REAMED	
	Kelly Down	21.21 FT.	FT. CORED	
	TOTAL	7483 FT.	CUM. HRS. RUN	19
WT OF STRING	141,600 LBS.		CONDITION	Pulling

DRILLER: A. Phelan

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7465	18		7483		85	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	950	6½	58	6½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7480	1½°							

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV
4¹⁵	10³⁰	6¼	DRLG
10³⁰	10⁴⁵	¼	SURVEY
10⁴⁵	12⁰⁰	1¼	PULL OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.1	10.1	10.1	
VISC.	100	110	10.5	
W.L.-C.C.	7.4	7.4	7.6	
FLTR. CK.	2/32	2/32	2/32	
pH	9.0	9.0	9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

BOP TEST 1/60

REPORT No. ... DATE: ...

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: PT SEPARATION | No. 1 | PROVINCE: N.W.T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 5 3/4 OD | TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: G. B. Brown | CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 H40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7 3/4	7 1/4	5
TRIPPING			2 3/4
RIG MAINTENANCE	1/4	1/4	
RIG REPAIRS			
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	5 SIZE 1 1/16
FEET SLIPPED	22
FEET CUT OFF	0
PRESENT LENGTH	3500
TON-MI. or TRIPS SINCE LAST CUT	603
CUMULATIVE TON-MI. or TRIPS	603
NO. OF DAYS FROM SPUD	56
CUMULATIVE ROTATING HRS.	990 1/2
DAYS SINCE LAST ACCDNT.	330
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	447
DAY TOUR	343
EVENING TOUR	99

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
72	STANDS DP	6654.06	Drilling or Core Bit No.	61
1	SNGLS. DP	30.72 FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22303
1	STB BODY 6 1/16 OD	1.93 FT.	DEPTH IN	7302
1	SUBS 6 1/4 OD	4.10 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	49
		FT.	FT. REAMED	
	Kelly Down	39.36 FT.	FT. CORED	
	TOTAL	7 FT.	CUM. HRS. RUN	12 1/4
WT. OF STRING	145M LBS.		CONDITION	

DRILLER: D. Williams

WEATHER CONDITIONS: Clear & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7320	31		7351	DOLOMITE	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	975	6"	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12 00	12 15		1/4	RIG SERV CHECK BOP'S
12 15	7 00	7	3/4	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	160	150	140	130
W.L.-C.C.	7.2	7.0	6.8	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.	1%			1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
GX	50		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
74	STANDS DP	6745.29 FT.	Drilling or Core Bit No.	61
	SNGLS. DP	FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22302
1	STB BODY 6 1/16 OD	1.93 FT.	DEPTH IN	7302
1	SUBS 6 1/4 OD	4.10 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	87
		FT.	FT. REAMED	
	Kelly Down	16.85 FT.	FT. CORED	
	TOTAL	7389.00 FT.	CUM. HRS. RUN	20
WT OF STRING	146,000 LBS.		CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Clear & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7351	38		7389		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8 00	8 15		1/4	RIG SERV. & CHECK B.O.P.
8 15	4 00	7	3/4	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.3	10.3
VISC.	145	140	140	185
W.L.-C.C.	6.8	6.8	6.8	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.	1%	1%	1%	1%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2,000#		
DRISCOSE	50#	Lo vis	
CAUSTIC	50#		
TANNITHIN	50#		
G.X.	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
74	STANDS DP	6745.29	Drilling or Core Bit No.	61
	SNGLS. DP	FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	21682 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22302
1	STB BODY OD	4.10 FT.	DEPTH IN	7302
	SUBS OD	1.93 FT.	DEPTH OUT	7413
	BIT OR C.B.	.60 FT.	FT. DRILLED	111
		FT.	FT. REAMED	
	Kelly Down	40.85 FT.	FT. CORED	
	TOTAL	7413. FT.	CUM. HRS. RUN	25
WT OF STRING	145,000 LBS.		CONDITION	Dull

DRILLER: Ed Nolan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7389	24		7413		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	5
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7413	2°							

From	To	Elapsed Time		REMARKS
4 00	9 00	5		DRLG
9 00	9 15		1/4	SURVEY
9 15	11 45	2	1/2	PULL OUT
11 45	1 00		1/4	MAKE UP BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.3	10.3	T
VISC.	130	105	125	R
W.L.-C.C.	6.8	7.8	6.6	'
FLTR. CK.	2/32	2/32	2/32	P
pH	9.0	9.0	9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE	50#		

REPORT No. 64

DATE: Sept 30/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: AT SEPARATION #1 No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO. 16
DRILL PIPE STRING NO. SIZE 4½
TOOL JOINT 5¾ OD TYPE THD. FH
DRILL PIPE GRADE E
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS No.	MANUFACTURER	TYPE
1.	OIL WELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H40	0	998	CONST.	900 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7¾	6½	4½
TRIPPING			3¼
RIG MAINTENANCE	¼	¼	1¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	22
FEET CUT OFF	0
PRESENT LENGTH	3500
TON MI. or TRIPS SINCE LAST CUT	528
CUMULATIVE TON MI. or TRIPS	528
NO. OF DAYS FROM SPUD	55
CUMULATIVE ROTATING HRS.	970
DAYS SINCE LAST ACCDNT.	329
DRILLER ACCDNT. FREE-DAYS	
MORNING TOUR	446
DAY TOUR	342
EVENING TOUR	98

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
72	STANDS DP	6563.51 FT.	Drilling or Core Bit No.	60
	SNGLS. DP	FT.	TYPE	W7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	32488
1	STB BOD 6¼ OD	4.10 FT.	DEPTH IN	7235
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	27 8½
		FT.	FT. REAMED	25 3½
	Kelly Down	38.56 FT.	FT. CORED	
	TOTAL	7287.00 FT.	CUM. HRS. RUN	12
WT OF STRING	145M LBS.		CONDITION	IN
DRILLER	B. Williams			
WEATHER CONDITIONS	Rain & Snow +31			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7263	24		7287	DOLOMITE	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	61	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	1700	¼	RIG SERV CHECK BOP'S
1700	800	7 ¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	128	140	140	120
W.L.-C.C.	7.6	7.4	7.2	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.6	8.6	8.6	9
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
DRISCOSE	50#		
CAUSTIC	25#		
QX	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
73	STANDS DP	6654.06 FT.	Drilling or Core Bit No.	60
	SNGLS. DP	FT.	TYPE	W-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	32488
1	STB BOD 6¼ OD	4.10 FT.	DEPTH IN	7235
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7302
	BIT OR C.B.	1.60 FT.	FT. DRILLED	42 - 15 HRS
		FT.	FT. REAMED	25 3½ HRS
	Kelly Down	2.08 FT.	FT. CORED	
	TOTAL	7302.00 FT.	CUM. HRS. RUN	18½
WT OF STRING	145,000 LBS.		CONDITION	Dull
DRILLER	E. Mill			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7287	15		7302		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6	61	4
PUMP No. 2	975	6½	50	2½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7300	2° E							

From	To	Elapsed Time	REMARKS
800	815	¼	RIG SERV. & CHECK BOP'S
815	245	6 ½	DRILLING 9" HOLE.
245	300	¼	SURVEY
300	400	1	POH OUT W/BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	X
VISC.	175	170	163	R
W.L.-C.C.	6.4	7.0	6.4	
FLTR. CK.	2/32	2/32	2/32	D
pH	9.0	9.0	9.0	
SD. CONT.	1%	1%	1%	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	10#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
73	STANDS DP	6654.06 FT.	Drilling or Core Bit No.	61
	SNGLS. DP	✓ FT.	TYPE	WT
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22502
1	STB BOD 6¼ OD	4.10 FT.	DEPTH IN	7302
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	60 FT.	FT. DRILLED	18
		FT.	FT. REAMED	
	Kelly Down	39.08 FT.	FT. CORED	
	TOTAL	7320 FT.	CUM. HRS. RUN	4½
WT OF STRING	145,000 LBS.		CONDITION	IN
DRILLER	H. Holar			
WEATHER CONDITIONS	Cool & Clear.			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7302	18		7320		80 90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	4½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	415	¼	RIG SERV.
415	730	3 ¼	FINISH TRIP FOR BIT #61
730	1200	4 ½	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.4	10.4
VISC.		TRIP	140	130
W.L.-C.C.			6.8	7.2
FLTR. CK.			2/32	2/32
pH			9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 63 DATE: Sept 29/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5 3/4 OD
TYPE THD.: FH
DRILL PIPE GRADE: E
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: N.W.T
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 H40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			3¼
TRIPPING			13¼
RIG MAINTENANCE	¼	½	1¼
RIG REPAIRS		½	1½
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	¼	4	4½
DAYWORK HOURS	7¾	7	3¼
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	22
FEET CUT OFF	0
PRESENT LENGTH	3500
TON. MI. or TRIPS SINCE LAST CUT	377
CUMULATIVE TON.MI. or TRIPS	377
NO. OF DAYS FROM SPUD	54
CUMULATIVE ROTATING HRS.	95 1½
DAYS SINCE LAST ACCDNT.	328
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	445
DAY TOUR	341
EVENING TOUR	97

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6472.99 FT.	Drilling or Core Bit No	38-7
2	SNGLS. DP	63.39 FT.	TYPE	KOEBEL Q
13	D.C. 6¼ OD	402.41 FT.	SIZE	6 1/8
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
1	STB BODY 6 1/16 OD	4.10 FT.	DEPTH IN	7235
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	20.07 FT.	FT. CORED	12
	TOTAL	7247.00 FT.	CUM. HRS. RUN	5½
WT OF STRING	140M LBS.		CONDITION	1N

DRILLER: B. Williams
WEATHER CONDITIONS: Cool & Cloudy +33

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7235		12	7247	DOLOMITE	60 70	2+4+6
					80	8+10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	43	6¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	12 15	¼	PICK UP JARS
12 15	12 30	¼	RIG SERV CHECK BOP'S
12 30	1 45	1 ¼	RUN IN HOLE
1 45	2 00	¼	CIRC TO BOTTOM
2 00	2 30	½	CIRC PRIOR TO CORING
2 30	8 00	5 ½	@ CORING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T	10.5	10.5	10.5
VISC.	R	180	150	130
W.L.-C.C.	I	6.8	7.0	7.2
FLTR. CK.	P	2/32	2/32	2/32
pH		8.0	8.0	8.0
SD. CONT.		1.5%		1.5%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6472.99 FT.	Drilling or Core Bit No.	38-7
2	SNGLS. DP	61.33 FT.	TYPE	KOEBEL
13	D.C. 6¼ OD	403.41 FT.	SIZE	6 1/8
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
1	STB BODY 6 1/16 OD	4.10 FT.	DEPTH IN	7235
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	7260
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	33.07 FT.	FT. CORED	25
	TOTAL	7260.00 FT.	CUM. HRS. RUN	9½
WT OF STRING	140,000 LBS.		CONDITION	GOOD

DRILLER: E. Mill
WEATHER CONDITIONS: CLEAR & mild

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7247	13	13	7260		90	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	6"	43	4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 00	12 00	4	CUTTING @ CORE # 7
12 00	12 15	¼	RIG SERV. & CHECK B.O.P.'S
12 15	2 30	2 ¼	POH OUT W/ CORE B.B.L.
2 30	3 15	¾	RECOVER CORE SERVICE & STAND BACK B.B.L.
3 15	3 30	¼	SLIP 22' LINE
3 30	4 00	½	INSTAL NEW DRIVE CHAIN IN COMPOUND.

Core #1 - 7260 - 7235 Recovered 25

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5		
VISC.	135	132		
W.L.-C.C.	7.2	7.0		
FLTR. CK.	2/32	2/32		
pH	9.0	9.0		
SD. CONT.	1%	1%		

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
72	STANDS DP	6563.51 FT.	Drilling or Core Bit No.	60	
2	SNGLS. DP	60.07 FT.	TYPE	W7	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	32488	
1	STB BODY 6 1/16 OD	4.10 FT.	DEPTH IN	7235	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	3	3/4
		FT.	FT. REAMED	25	3½
	Kelly Down	12.56 FT.	FT. CORED		
	TOTAL	7263 FT.	CUM. HRS. RUN	41½	
WT OF STRING	145,000 LBS.		CONDITION	IN	

DRILLER: R. Nolan
WEATHER CONDITIONS: SHOWERS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7235		25	7260		00	15
7260	3		7263		80	35

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	4½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	4 15	¼	R.I.G SERV CHECK BOP'S
4 15	4 45	½	FINISH INSTALLING COMP. CHAIN
			REPAIR OIL LEAK IN COMPOUND
4 45	6 30	1 ¾	RUN IN W/ BIT #6
6 30	6 45	¼	PICK UP 3 SINGS BREAK CIRC
6 45	8 00	1 ¼	REAM 6 1/8 TO 9" HOLE
8 00	9 00	1	INSTALL NEW LOW ROTARY DRIVE CHAIN
9 00	11 15	2 ¼	REAM 6 1/8 TO 9" HOLE. 11 15 - 12 00 DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	TAIL		10.5	10.5
VISC.			140	120
W.L.-C.C.			6.6	7.8
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1100#		
CAUSTIC	50#		
TANNATHIN	50#		
QX	50#		

REPORT No. 62 DATE: Sept 28/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: PT. SEPARATION No. #1 | PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6 3/4 OD, TYPE THD. FH | DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: Mervin Parker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5				900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7 1/4	7 3/4	3 1/4
TRIPPING			2 1/4
RIG MAINTENANCE	1/4	1/4	
RIG REPAIRS	1/2		
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	7
DAYWORK HOURS			1
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	0
FEET CUT OFF	0
PRESENT LENGTH	3500
TON. MI. or TRIPS SINCE LAST CUT	151
CUMULATIVE TON MI. or TRIPS	151
NO. OF DAYS FROM SPUD	54
CUMULATIVE ROTATING HRS.	937 1/2
DAYS SINCE LAST ACCDNT.	327
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	44 3/4
DAY TOUR	340
EVENING TOUR	96

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6472.99 FT.	Drilling or Core Bit No.	59
2	SNGLS. DP	37.71 FT.	TYPE	H-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427641
2	STB BOD 6 1/4 OD	8.20 FT.	DEPTH IN	7168
1	SUB 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	31
		FT.	FT. REAMED	
	Kelly Down	37.22 FT.	FT. CORED	
	TOTAL	7199.00 FT.	CUM. HRS. RUN	8
WT OF STRING	140 M LBS.		CONDITION	IN
DRILLER	B Williams			
WEATHER CONDITIONS	Rain & Miserable			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7170	29		7199	DOLOMITE	90	35+
						40

	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		975	6"	60	7 1/4
PUMP No. 2					

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	12 30	1/4	RIG SERV CHECK BOP'S
12 30	6 30	6 1/4	DRLG 9" HOLE
6 30	7 00	1/2	REPAIR COMPOUND
7 00	8 00	1	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.5
VISC.	160	150	140	140
W.L.-C.C.	7.2	7.0	6.6	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.5	8.5
SD. CONT.	1.25%			1.25%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	7 1/2#		
KANNATHIN	150#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
72	STANDS DP	6563.51 FT.	Drilling or Core Bit No.	59
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427641
2	STB BOD 6 1/4 OD	8.20 FT.	DEPTH IN	7168
1	SUB 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	57
		FT.	FT. REAMED	
	Kelly Down	30.53 FT.	FT. CORED	
	TOTAL	7225.00 FT.	CUM. HRS. RUN	15 3/4
WT OF STRING	140,000 LBS.		CONDITION	IN
DRILLER	L Mill			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7199	26		7225		80	40

	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		950	6"	60	7 3/4
PUMP No. 2					

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 00	8 15	1/4	RIG. SERV. & CHECK B.O.P'S
8 15	4 00	7 3/4	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.5
VISC.	158	145	132	130
W.L.-C.C.	6.8	7.6	7.2	7.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	8.5	8.5	8.5
SD. CONT.	1.25%	1.25%	1.25%	1.25%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		
QX	100#		
DRISCOSE	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
72	STANDS DP	6563.51 FT.	Drilling or Core Bit No.	59
	SNGLS. DP	✓ FT.	TYPE	H-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427641
2	STB BOD 6 1/4 OD	8.20 FT.	DEPTH IN	7168
1	SUB 6 1/4 OD	1.93 FT.	DEPTH OUT	7235
	BIT OR C.B.	.60 FT.	FT. DRILLED	67
		FT.	FT. REAMED	
	Kelly Down	41.34 FT.	FT. CORED	
	TOTAL	7236.81 FT.	CUM. HRS. RUN	19
WT OF STRING	140,000 LBS.		CONDITION	Dull
DRILLER	H Horlan			
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7225	10		7235		80	40

	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		950	6"	60	3 1/4
PUMP No. 2		1000	6 1/2	52	1 1/4

DEVIATION RECORD: 7235 — 2 1/2°

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	7 15	3 1/4	DRLG
7 15	8 30	1 1/4	CIRC HOLE CLEAN FOR CORING
8 30	8 45	1/4	SURVEY
8 45	11 00	2 1/4	PULL OUT TO RUN CORE BBL (LAY DOWN 1 STAND)
11 00	12 00	1	PICK UP CORE BBL MAKE UP BIT & SWIVEL TO INNER BBL

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5		
VISC.	140	130		
W.L.-C.C.	6.8	7.2		
FLTR. CK.	2/32	2/32		
pH	8.0	8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 61 DATE: Sept 27/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT. SEPARATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: H-40
TOOL JOINT: 5 3/4 OD
TYPE THD.: F H
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Wm Corbett

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	54.5 H-40	0	998	CONST.	900 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	23 3/4	13 1/4	3 1/4
TRIPPING		2	21 1/2
RIG MAINTENANCE	1/4	3 1/4	4 1/2
RIG REPAIRS		3/4	
HOLE SURVEYS		1/4	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			1/4
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	3 NEW
NO. OF LINES	8 SIZE 7/16
FEET SLIPPED	0
FEET CUT OFF	0
PRESENT LENGTH	3501
TON MI. or TRIPS SINCE LAST CUT	75
CUMULATIVE TON MI. or TRIPS	75
NO. OF DAYS FROM SPUD	54
CUMULATIVE ROTATING HRS.	919 1/2
DAYS SINCE LAST ACCDNT.	327
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	446
DAY TOUR	339
EVENING TOUR	96

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6472.99 FT.	Drilling or Core Bit No.	58
1	SNGLS. DP	29.64 FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23283
1	STB BODY 6 1/4 OD	4.11 FT.	DEPTH IN	7091
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	70
		FT.	FT. REAMED	
	Kelly Down	31.38 FT.	FT. CORED	
	TOTAL	7161.00 FT.	CUM. HRS. RUN	20 1/4
WT OF STRING	131M LBS.		CONDITION	IN
DRILLER	B. Williams			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7134	27		7161		115	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	1215	1/4	RIG SERV CHECK BOP'S
1215	800	7 3/4	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.5
VISC.	120	120	120	125
W.L.-C.C.	7.4	7.2	7.6	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		
CAUSTIC	25		
GX	50		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6472.99 FT.	Drilling or Core Bit No.	58
1	SNGLS. DP	29.64 FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23283
1	STB BODY 6 1/4 OD	4.11 FT.	DEPTH IN	7091
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	7168
	BIT OR C.B.	.60 FT.	FT. DRILLED	77
		FT.	FT. REAMED	
	Kelly Down	38.50 FT.	FT. CORED	
	TOTAL	7168.00 FT.	CUM. HRS. RUN	22
WT OF STRING	132,000 LBS.		CONDITION	Lo: 5F Dull
DRILLER	E. Mill			
WEATHER CONDITIONS	Sunny & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7161	7		7168		115	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	1 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7168	3°							

From	To	Elapsed Time	REMARKS
800	945	1 3/4	DRILLING 9" HOLE.
945	1000	1/4	SURVEY.
1000	1015	1/4	RIG SERV. & CHECK B.O.P.
1015	1100	3/4	REPAIR CHAIN & OILERS IN DWKS.
1100	1300	2	POH OUT W/BIT.
1300	1600	3	STRING TO 8 LINES W/NEW SPOOL OF LINE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5			
VISC.	138	T		
W.L.-C.C.	7.0			
FLTR. CK.	2/32	P		
pH	8.5			
SD. CONT.	1 1/2%	H		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6472.99 FT.	Drilling or Core Bit No.	59
1	SNGLS. DP	29.64 FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	427641
2	STB BODY 6 1/4 OD	8.20 FT.	DEPTH IN	7168
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	60 FT.	FT. DRILLED	2
		FT.	FT. REAMED	
	Kelly Down	36.41 FT.	FT. CORED	
	TOTAL	7170 FT.	CUM. HRS. RUN	3/4
WT OF STRING	136,000 LBS.		CONDITION	IN
DRILLER	B. Nolan			
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7168	2		7170		80	20-25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	60	1
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	800	4	FINISH CHANGING TO 8 LINES.
800	830	1/2	REPAIR & ADJUST CROWN SAVER.
830	1100	2 1/2	RUN IN W/ BIT # 59. INSTALL (2 STAB'S)
1100	1115	1/4	CREAM 15' TO BOTH.
1115	1200	3/4	DRLG
			STABALIZERS PLACED 60' & 373' FROM BIT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 60 DATE: Sept 26/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5 3/4 OD, TYPE THD. FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Monty Cooke

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: NWT

PUMPS

No.	MANUFACTURER	TYPE
1.	OIL WELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 H-40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	2 3/4	4 3/4	7 3/4
TRIPPING	2 1/4	1 1/4	
RIG MAINTENANCE	1 3/4	1 1/4	1/4
RIG REPAIRS		1 1/2	
HOLE SURVEYS	1/4		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1/4	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 11/0
FEET SLIPPED	2136
FEET CUT OFF	2170
PRESENT LENGTH	1303
TON MI. or TRIPS SINCE LAST CUT	68
CUMULATIVE TON MI. or TRIPS	4582
NO. OF DAYS FROM SPUD	53
CUMULATIVE ROTATING HRS.	910
DAYS SINCE LAST ACCDNT.	326

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	445
DAY TOUR	338
EVENING TOUR	95

MORNING TOUR

NO.	DRILLING ASSEMBLY		
70	STANDS DP	6381.29	FT.
2	SNGLS. DP	60.95	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	26.00	FT.
	TOTAL	7091.00	FT.
WT OF STRING		127M	LBS.
DRILLER		E. Williams	
WEATHER CONDITIONS		Cloudy + Cool	

BIT RECORD

Drilling or Core Bit No.	57
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	76414
DEPTH IN	6965
DEPTH OUT	7091
FT. DRILLED	126
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	23 3/4
CONDITION	DULL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7073	18		7091	Dolomite	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	23¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION
7091	3¼°	

DEPTH	DEV.	DIRECTION

DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:45	¼	RIG SERV CHECK BOP'S
12:45	4:00	3 ¼	DRLG 9" HOLE
4:00	4:45	¼	DEV SURVEY
4:45	6:15	2	PULL OUT
6:15	6:45	½	SLIP + CUT 44' DRLG LINE
6:45	7:00	¼	PUT ON BIT + CENTRALIZER (90' OFF BTM)
7:00	7:00	1	TIGHTEN PUMP DRIVE CHAIN + WORK ON AIR LINE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.2	T	
VISC.	150	130	R	
W.L.-C.C.	7.2	7.0	I	
FLTR. CK.	32	2/32	P	
pH	8.0	8.0		
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
GX	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		
70	STANDS DP	6381.29	FT.
2	SNGLS. DP	60.95	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
1	STB BODY 6¼ OD	4.11	FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	32.89	FT.
	TOTAL	7107.00	FT.
WT OF STRING		134.000	LBS.
DRILLER		E. Mill	
WEATHER CONDITIONS		CLEAR + Cool	

BIT RECORD

Drilling or Core Bit No.	58
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	23283
DEPTH IN	7091
DEPTH OUT	
FT. DRILLED	16
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	4 3/4
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7091	16		7107		115	20

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6	60	4¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION

DEPTH	DEV.	DIRECTION

DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:30	½	WORK ON AIR LINE + WELD CLUTCH GUARD.
8:30	8:45	¼	RIG SERV + CHECK B.O.P'S.
8:45	10:00	1 ¼	RUN IN W/ BIT #58
10:00	10:15	¼	BREAK CIRC + CLEAN TO BOTTOM.
10:15	3:00	4 ¾	DRILLING 9" HOLE
3:00	4:00	1	WORK ON OILERS IN DWKS.
			(CHANGE OIL IN ALL MOTORS)

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	X	10.6	10.5	10.5
VISC.	R	195	138	125
W.L.-C.C.	I	6.4	6.2	6.4
FLTR. CK.	P	2/32	2/32	2/32
pH		8.0	8.5	8.5
SD. CONT.	-	1.70	1.90	1.70

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
71	STANDS DP	6472.29	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
1	STB BODY 6¼ OD	4.11	FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	31.14	FT.
	TOTAL	7134	FT.
WT OF STRING		139.000	LBS.
DRILLER		L. Nolan	
WEATHER CONDITIONS		Cool	

BIT RECORD

Drilling or Core Bit No.	58
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	23283
DEPTH IN	7091
DEPTH OUT	
FT. DRILLED	43
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	12½
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7107	27		7134		115	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	6¾
PUMP No. 2	1000	6½	51	1

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION

DEPTH	DEV.	DIRECTION

DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
2:00	4:15	¼	RIG SERV.
4:15	12	7 ¾	DRLG
			STABALIZER PLACED 90' FROM BIT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.5
VISC.	140	145	147	127
W.L.-C.C.	7.6	7.2	7.4	7.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE	50#		

REPORT No. 59 DATE: Sept 25/80

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
OPERATOR'S REPRESENTATIVE: J. F. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Baker

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: N.W.T.

DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5 3/4 OD
TYPE THD.: F.H.
DRILL PIPE GRADE: 2-3

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn.	Day	Eve.
DRILLING	4½	23¼	7¼
TRIPPING	2½		
RIG MAINTENANCE	1	¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	2092
FEET CUT OFF	2126
PRESENT LENGTH	1347
TON MI. or TRIPS SINCE LAST CUT	66
CUMULATIVE TON MI. or TRIPS	4737
NO. OF DAYS FROM SPUD	52
CUMULATIVE ROTATING HRS.	883¾
DAYS SINCE LAST ACCDNT.	325
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	94
DAY TOUR	444
EVENING TOUR	337

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
69	STANDS DP	6289.85 FT.	Drilling or Core Bit No.	57
2	SNGLS. DP	60.81 FT.	TYPE	H7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	H27644
	STB BODY OD	FT.	DEPTH IN	6965
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	29
		FT.	FT. REAMED	
	Kelly Down	20.58 FT.	FT. CORED	
	TOTAL	6994 FT.	CUM. HRS. RUN	4½
WT OF STRING		125,000 LBS.	CONDITION	IN

DRILLER: D. Nolan
WEATHER CONDITIONS: SNOW +32

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6965	29		6994		95	38

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	4½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	1215	¼	RIG SERV.
1215	115	1	FINISH OUT
115	200	¾	SLIP 44' CUT 44' DRLG LINE
200	330	1½	SERV DC'S RUN IN W/ BIT # 57
330	800	4½	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.5	10.5
VISC.	TRIP		120	115
W.L.-C.C.			7.0	7.1
FLTR. CK.			2/32	2/32
pH			8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
20	STANDS DP	6381.29 FT.	Drilling or Core Bit No.	57
	SNGLS. DP	FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	H27644
	STB BODY OD	FT.	DEPTH IN	6965
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	72
		FT.	FT. REAMED	
	Kelly Down	32.83 FT.	FT. CORED	
	TOTAL	7037.00 FT.	CUM. HRS. RUN	12¼
WT OF STRING		126,000 LBS.	CONDITION	IN

DRILLER: B. Williams
WEATHER CONDITIONS: Cloudy & Cool +32½°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6994	43		7037	Dolomite	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	23¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	815	¼	RIG SERV CHECK B.O.P.'S
815	1500	7	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.6	10.6	10.6
VISC.	105	108	115	112
W.L.-C.C.	7.0	7.0	6.8	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.	1.25%			1.25%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
CAUSTIC	25#		
TANNATHIN	50#		

CLEANED SHAKER COMP. OF #3 TANK.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
70	STANDS DP	6381.29 FT.	Drilling or Core Bit No.	57
1	SNGLS. DP	30.41 FT.	TYPE	H-7
13	D.C. 6½ OD	403.41 FT.	SIZE	9"
7	6¼ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	H27644
	STB BODY OD	FT.	DEPTH IN	6965
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	108
		FT.	FT. REAMED	
	Kelly Down	38.54 FT.	FT. CORED	
	TOTAL	7073.00 FT.	CUM. HRS. RUN	20
WT OF STRING		126,000 LBS.	CONDITION	IN

DRILLER: E. Mell
WEATHER CONDITIONS: Cloudy & Cool +34°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7037	36		7073		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	60	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	415	¼	RIG SERV & CHECK B.O.P.
415	1200	7¾	DRILLING 9" HOLE
			Checked Sins & Bowls

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.5	10.5	10.5
VISC.	180	130	112	110
W.L.-C.C.	5.6	7.0	6.4	7.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.5	8.5	9.5
SD. CONT.	1¼/70	1¼/70	1¼/70	1¼/70

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

REPORT No. 58

DATE: SEPT. 24 - 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Doug Lake
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: NWT
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5-3/4 OD TYPE THD. F H
DRILL PIPE GRADE: 2-3

PUMPS	No.	MANUFACTURER	TYPE
	1.	OILWELL	214P
	2.	"	"
	3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5 J55	0	498	CONST	900	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	4¾	7¾	6½
TRIPPING			1
RIG MAINTENANCE	1/4	4	1/4
RIG REPAIRS			
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	5	8	8
DAYWORK HOURS	3		
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1/8
FEET SLIPPED	2048
FEET CUT OFF	2082
PRESENT LENGTH	1991
TON MI. or TRIPS SINCE LAST CUT	127
CUMULATIVE TON MI. or TRIPS	1471
NO. OF DAYS FROM SPUD	51
CUMULATIVE ROTATING HRS.	963¾
DAYS SINCE LAST ACCDNT.	324
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	93
DAY TOUR	443
EVENING TOUR	336

MORNING TOUR

NO.	DRILLING ASSEMBLY		
68	STANDS DP	6198.90	FT.
1	SNGLS. DP	30.00	FT.
13	D.C 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	6.0	FT.
			FT.
	Kelly Down	30.34	FT.
	TOTAL	6882	FT.
WT OF STRING		124,000	LBS.
DRILLER	A Nolan		+30
WEATHER CONDITIONS	LIGHT SNOW WINDY		

BIT RECORD	
Drilling or Core Bit No.	56
TYPE	H7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	H27640
DEPTH IN	6837
DEPTH OUT	
FT. DRILLED	27
FT. REAMED	18 13¾ HRS
FT. CORED	
CUM. HRS. RUN	6½
CONDITION	IN.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6837		18	6855		100	15
6855	27		6882		85 90	30 40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12	12¼	¼	RIG SERV.
12¼	1³⁰	1 ¼	FINISH IN W/ BIT #56
1³⁰	3¹⁵	1 ¾	REAM 6½ TO 9" HOLE.
3¹⁵	8⁰⁰	4 ¾	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	TRIP	10.6	10.3	
VISC.		145	110	
W.L.-C.C.		6.0		
FLTR. CK.		32		
pH		8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
QX	50#		
CLEAN 2ND & 3RD COMPT.			
#1 MUD TANK.			

DAY TOUR

NO.	DRILLING ASSEMBLY		
69	STANDS DP	6289.95	FT.
	SNGLS. DP		FT.
12	D.C 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	15.27	FT.
	TOTAL	6928.00	FT.
WT OF STRING		124M	LBS.
DRILLER	B Williams		
WEATHER CONDITIONS	Cloudy + Cool		

BIT RECORD	
Drilling or Core Bit No.	56
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	H27640
DEPTH IN	6837
DEPTH OUT	
FT. DRILLED	73
FT. REAMED	18 13¾ HRS
FT. CORED	
CUM. HRS. RUN	14¼
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6882	46		6928	Dolomite	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV CHECK BOP'S
8¹⁵	4⁰⁰	7 ¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.6	10.5	10.5
VISC.	130	120	108	105
W.L.-C.C.	7.2	6.8	6.6	6.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
69	STANDS DP	6289.85	FT.
1	SNGLS. DP	30.91	FT.
13	D.C 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	21.48	FT.
	TOTAL	6965.00	FT.
WT OF STRING		124,000	LBS.
DRILLER	L Mill		
WEATHER CONDITIONS	Sunny + Cool		

BIT RECORD	
Drilling or Core Bit No.	56
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16"
SERIAL No.	H27640
DEPTH IN	6837
DEPTH OUT	6965
FT. DRILLED	110 - 19 HRS.
FT. REAMED	18-13¾ HR
FT. CORED	
CUM. HRS. RUN	20¾
CONDITION	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6928	37		6965		95	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	6½
PUMP No. 2				

DEVIATION RECORD: 6965 2°

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV. & CHECK B.O.P.'S
4¹⁵	10⁴³	6 ½	DRILLING 9" HOLE
10⁴³	11⁰⁰	¼	SURVEY
11⁰⁰	12⁰⁰	1	PULL OUT W/ BIT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	T
VISC.	113	120	127	R
W.L.-C.C.	6.2	6.4	6.4	I
FLTR. CK.	2/32	2/32	2/32	P
pH	8.5	8.5	8.0	
SD. CONT.	1%	1%	1%	P.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
KEROSENE	50#		

REPORT No. 57 DATE: SEPT. 23 - 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Parker
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: NWT
DRILL PIPE STRING NO. SIZE: E 4½
TOOL JOINT: 5¾ OD
TYPE THD.: FH
DRILL PIPE GRADE: 2-3

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	4½		
TRIPPING			
RIG MAINTENANCE	1¼	9¼	1
RIG REPAIRS			
HOLE SURVEYS	1/4		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	5	24	1
DAYWORK HOURS	3	1/4	7
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2.
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	2048
FEET CUT OFF	2082
PRESENT LENGTH	1391
TON MI. or TRIPS SINCE LAST CUT	—
CUMULATIVE TON MI. or TRIPS	4544
NO. OF DAYS FROM SPUD	50
CUMULATIVE ROTATING HRS.	843
DAYS SINCE LAST ACCDNT.	323
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	92
DAY TOUR	442
EVENING TOUR	335

MORNING TOUR

NO.	DRILLING ASSEMBLY		
68	STANDS DP	6198.90	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
1	6¼ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	15.34	FT.
	TOTAL	6837	FT.

WT OF STRING 123,000 LBS.
DRILLER D Bolan
WEATHER CONDITIONS + 22

BIT RECORD

Drilling or Core Bit No	55
TYPE	W-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	22304
DEPTH IN	6713
DEPTH OUT	6837
FT. DRILLED	124
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	20½
CONDITION	Dull

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6814	23		6837		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	5¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6835	0°							

From	To	Elapsed Time		REMARKS
1200	1215		1/4	RIG SERV
1215	1445	4	1/2	DRLG
1445	1500	1	1/4	CIRC HOLE CLEAN FOR CORING
1500	1515		1/4	SURVEY
1515	1800	1	3/4	HOIST TO RUN CORE BBL

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.6	10.6	
VISC.	135	125	123	
W.L.-C.C.	5.8	6.4	6.4	
FLTR. CK.	32	32	32	
pH	8.0	8.0	8.0	
SD. CONT.	TRIP			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
67	STANDS DP	6108.81	FT.
1	SNGLS. DP	29.88	FT.
13	D.C. 6¼ OD	403.41	FT.
2	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	59.35	FT.
1	JARS	7.00	FT.
	Kelly Down	27.78	FT.
	TOTAL	6849.00	FT.

WT OF STRING 120M LBS.
DRILLER L Williams
WEATHER CONDITIONS Cloudy & Cool

BIT RECORD

Drilling or Core Bit No.	38-6
TYPE	KOEBEL D
SIZE	6¼
NOZZ. SIZE	
SERIAL No.	4446
DEPTH IN	6837
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	12
CUM. HRS. RUN	5
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6837		12	6849	Dolomite	90±	6-8±
					95	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1075	6"	44	5¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
1800	1815		1/4	FINISH OUT
1815	1830		1/4	RIG SERV CHECK BOP'S
1830	1900		1/2	SLIP & CUT DRLG LINE 44'
1900	1915	1	1/4	RUN IN W/ CORE BBL
1915	1920		1/4	CLEAN TO BOTTOM
1920	1930		1/2	CIRC PRIOR TO CORING
1930	2400	5		CORING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT T	10.6	10.6	10.6	
VISC. R	150	140	140	
W.L.-C.C. I	6.4	6.4		
FLTR. CK. P	32	32	32	
pH	8.0	8.0	8.0	
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		
67	STANDS DP	6108.71	FT.
1	SNGLS. DP	29.88	FT.
13	D.C. 6¼ OD	403.41	FT.
2	6½ OD	216.82	FT.
	RMR BODY OD		FT.
1	STB BODY 6¼ OD	1.93	FT.
	SUBS OD		FT.
	BIT OR C.B.	59.35	FT.
	JARS	7.00	FT.
	Kelly Down	27.80	FT.
	TOTAL	6855.00	FT.

WT OF STRING 130,000 LBS.
DRILLER E. Mill
WEATHER CONDITIONS SNOWING & Cool

BIT RECORD

Drilling or Core Bit No.	38-6
TYPE	KOEBEL
SIZE	6¼"
NOZZ. SIZE	
SERIAL No.	4440
DEPTH IN	6837
DEPTH OUT	
FT. DRILLED	6855
FT. REAMED	
FT. CORED	18
CUM. HRS. RUN	8
CONDITION	Good

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6849		6	6855	Rec 18 FT	95	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1025	6"	44	3
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
1800	2100	3	00	CUTTING ◊ CORE #6
2100	2115	2	1/4	BREAK CORE LOOSE & POH OUT W/ CORE.
2115	2130		1/4	RIG SERV & CHECK B.O.P.'S
2130	2200		1/2	RECOVER CORE TAKE SWIVEL OF CORE B.B.L. & STAND BACK COL.
2200	2215	1	1/4	SLIP & CUT LINE CUT 44' SLIP 4'
2215	2230		1/4	RUN IN W/ BIT # 56.

Core #6 6837 - 55

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6			
VISC.	147			
W.L.-C.C.	6.2			
FLTR. CK.	2/32			
pH	8.5			
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 56
DATE: SEPT 22

DAILY DRILLING REPORT

OPERATOR: ROC

CONTRACTOR: PETER BAWDEN DRILLING LIMITED — RIG NO. 16

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION — No. 1 — PROVINCE: NWT

DRILL PIPE STRING NO. SIZE: E 4½ — TOOL JOINT: 5 3/4 OD — TYPE THD.: FH — DRILL PIPE GRADE: 2-3

OPERATOR'S REPRESENTATIVE: G. R. Brown.

CONTRACTOR'S TOOL PUSHER: Dave Cooke

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	1/2	7 3/4	7 3/4
TRIPPING	1 1/2		
RIG MAINTENANCE	1	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1/2		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS	1/2		
SUB TOTAL	4	8	8
DAYWORK HOURS	4		
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1960
FEET CUT OFF	1994
PRESENT LENGTH	1479
TON MI. or TRIPS SINCE LAST CUT	64
CUMULATIVE TON MI. or TRIPS	4349
NO. OF DAYS FROM SPUD	49
CUMULATIVE ROTATING HRS.	830 1/2
DAYS SINCE LAST ACCDNT.	213
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	91
DAY TOUR	441
EVENING TOUR	341

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
60	STANDS DP	6077.81 FT.	Drilling or Core Bit No.	55
	SNGLS. DP	FT.	TYPE	W7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
1	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22304
	STB BODY OD	FT.	DEPTH IN	6713
1	SUB 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	4
		FT.	FT. REAMED	
	Kelly Down	16.43 FT.	FT. CORED	
	TOTAL	6717 FT.	CUM. HRS. RUN	1/2
WT OF STRING		123,000 LBS.	CONDITION	GOOD

DRILLER: Hl. Horan

WEATHER CONDITIONS: + 15°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6713	4		6717		85	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	6"	60	1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	230	2 1/2	HOIST DST #1
230	400	1 1/2	BREAK DOWN TOOL WASH SAME
400	445	3/4	SLIP 44' CUT 44' DRLG LINE.
445	500	1 1/4	RIG SERV CHECK BOPS.
500	630	1 1/2	RUN IN W/ BIT #55 LAY DOWN IBENT S.
630	700	1/2	THAW KELLY HOSE
700	730	1/2	CLEAN 20' TO BOTM CIRC BIT
730	800	1/2	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
67	STANDS DP	6108.81 FT.	Drilling or Core Bit No.	55
	SNGLS. DP	FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
1	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22304
	STB BODY OD	FT.	DEPTH IN	6713
1	SUB 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	47
		FT.	FT. REAMED	
	Kelly Down	28.43 FT.	FT. CORED	
	TOTAL	6760.00 FT.	CUM. HRS. RUN	8 1/4
WT OF STRING		123M LBS.	CONDITION	IN

DRILLER: B Williams

WEATHER CONDITIONS: Clear & Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6717	43		6760		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	6"	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	815	1/4	RIG SERV CHECK BOPS
815	400	7 3/4	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	160	130	120	125
W.L.-C.C.	6.2	6.4	6.8	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.4	8.0	8.0	8.0
SD. CONT.	1 70			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
67	STANDS DP	6088.81 FT.	Drilling or Core Bit No.	55
2	SNGLS. DP	60.09 FT.	TYPE	W-7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	22304
	STB BODY OD	FT.	DEPTH IN	6713
1	SUB 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	101
		FT.	FT. REAMED	
	Kelly Down	22.34 FT.	FT. CORED	
	TOTAL	6814.80 FT.	CUM. HRS. RUN	16
WT OF STRING		123,000 LBS.	CONDITION	IN

DRILLER: L Mills

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6760	54		6814		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	415	1/4	RIG SERV. + CHECK B.O.P.'S
412	1200	7 3/4	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.6	10.6	10.6
VISC.	118	123	130	110
W.L.-C.C.	6.8	6.6	6.6	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.	1 20	1 20	1 20	1 20

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
TANNATHIN	50#		
DRISCOSE	50#	Lewis	

REPORT No. 55

DATE: SEPT 21

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Lloyd Corbin
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: N W T

DRILL PIPE STRING NO. SIZE: 4 1/2
TOOL JOINT: 5 3/4 OD
TYPE THD.: FH
DRILL PIPE GRADE: 2-3

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 J55	0	998	CONST	400	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	4 1/4	6 1/2	1
TRIPPING	2 1/2		
RIG MAINTENANCE	1	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1/4		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	6 3/4	1/4
DAYWORK HOURS		1 1/4	7 3/4
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1916
FEET CUT OFF	1950
PRESENT LENGTH	1523
TON MI. or TRIPS SINCE LAST CUT	186
CUMULATIVE TON MI. or TRIPS	4285

NO. OF DAYS FROM SPUD	48
CUMULATIVE ROTATING HRS.	824 1/2
DAYS SINCE LAST ACCDNT.	212
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	90
DAY TOUR	440
EVENING TOUR	340

MORNING TOUR

NO.	DRILLING ASSEMBLY		
66	STANDS DP	6016.56	FT.
	SNGLS. DP		FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	28.68	FT.
	TOTAL	6667.00	FT.
WT OF STRING		123,000	LBS.
DRILLER	H. HOLAN		
WEATHER CONDITIONS	CLOUDY +25		

BIT RECORD

Drilling or Core Bit No.	54
TYPE	H7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	400998
DEPTH IN	6644
DEPTH OUT	
FT. DRILLED	23
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	4 1/4
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6644	23		6667		85 90	35 40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	4 1/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:15		1/4	RIG SERV.
12:15	1:15	1		FINISH OUT W/ BIT # 53
1:15	2:00		3/4	SLIP 70' CUT 70 DRLG LINE
2:00	3:30	1	1/2	RUN IN W/ BIT # 54
3:30	3:45		1/4	BREAK CIRC. CLEAN 10' TO BOTM.
3:45	8:00	H	1/4	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	TR	10.7	10.7	
VISC.		130	95	
W.L.-C.C.		6.6	6.8	
FLTR. CK.		32	32	
pH		8.0	8.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
66	STANDS DP	6016.56	FT.
2	SNGLS. DP	61.96	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	11.72	FT.
	TOTAL	6713.00	FT.
WT OF STRING		134M	LBS.
DRILLER	B. McKillop		
WEATHER CONDITIONS	Cool + Cloudy		

BIT RECORD

Drilling or Core Bit No.	54
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	400998
DEPTH IN	6644
DEPTH OUT	6713
FT. DRILLED	69
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	10 3/4
CONDITION	PULL TO TEST

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6667	46		6713		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:15		1/4	RIG SERV CHECK BOP'S
8:15	8:45	6	1/2	DRLG 9" HOLE
8:45	4:00	1	1/4	CIRC COND HOLE PRIOR TO TESTING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	110	110	106	107
W.L.-C.C.	7.0	6.8	6.4	6.2
FLTR. CK.	32	32	32	32
pH	8.4	8.0	8.0	8.0
SD. CONT.	1%			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	20#		
TANNATHIN	20#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
66	STANDS DP	6016.56	FT.
1	SNGLS. DP	31.28	FT.
13	D.C. 6 1/2 OD	403.41	FT.
7	6 1/4 OD	216.82	FT.
	RMR BODY OD		FT.
1	STB BODY 6 1/4 OD	1.93	FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
	PACKER	69.54	FT.
	Kelly Down		FT.
	TOTAL	6713.00	FT.
WT OF STRING		81,000	LBS.
DRILLER	L. Mill		
WEATHER CONDITIONS	Cloudy Cold +33°		

BIT RECORD

Drilling or Core Bit No.	54
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	400998
DEPTH IN	6644
DEPTH OUT	6713
FT. DRILLED	69
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	10 3/4
CONDITION	FAIR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6713	—	—	6713			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4:00	4:15		1/4	CIRC PRIOR TO TESTING
4:15	4:30		1/4	RIG SERV & CHECK B.O.P's
4:30	6:30	2		PULL OUT TO RUN PACKER
6:30	8:00	1	1/2	PICK UP PACKER.
8:00	9:45	1	3/4	RUN IN W/ PACKER.
9:45	12:00	2	1/4	TESTING

DST #1 7 1/2" DUELL ROBBER
1/2" CHOKE INTERVAL 6680-6713
1st Min V. 0.45" F.S.I. 45" in
GOOD final BLOW SMALL AIR BLOW THROUGH OUT TEST
REC 290 F.T SALT WATER CUT MUD
ISIP 0" IHP 3730 FFP 75-FSIP 2860 FHP 3800

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 54
DATE: SEPT 20

DAILY DRILLING REPORT

OPERATOR: P.O.C.
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5-3/4 OD
TYPE THD.: F-H
DRILL PIPE GRADE: 2-3
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Doug Corbett

PUMPS

No.	MANUFACTURER	TYPE
1.	OIL WELL	214 P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	1	17¾	7
TRIPPING			¾
RIG MAINTENANCE		¼	1¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	1	18	8
DAYWORK HOURS	7		
TOTAL HOURS	6	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1/8
FEET SLIPPED 1840
FEET CUT OFF 1840
PRESENT LENGTH 1593
TON MI. or TRIPS SINCE LAST CUT 62
CUMULATIVE TON MI. or TRIPS 4099

NO. OF DAYS FROM SPUD 47
CUMULATIVE ROTATING HRS. 813¾
DAYS SINCE LAST ACCDNT. 211
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 89
DAY TOUR 439
EVENING TOUR 339

MORNING TOUR

NO.	DRILLING ASSEMBLY		
65	STANDS DP	5925.05	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	60	FT.
			FT.
	Kelly Down	20.19	FT.
	TOTAL	6567	FT.
WT OF STRING		122,000	LBS.
DRILLER		L. Nolan	
WEATHER CONDITIONS		+22	

BIT RECORD

Drilling or Core Bit No.	53
TYPE	W7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	23479
DEPTH IN	6540
DEPTH OUT	
FT. DRILLED	7 1 HR
FT. REAMED	20 3 HRS
FT. CORED	
CUM. HRS. RUN	4
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6540		20	6560	CORE #5 CORED 20'	100	15
6560	7		6567	RECOV. 16	86-90	35-40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS RUN
PUMP No. 1	925	6"	61	4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:30	½	FINISH OUT W/ CORE BBL
12:30	1:30	1	RECOVER CORE SERV. BBL STAND BACK
1:30	1:45	¼	RIG SERV CHECK BOP'S
1:45	2:30	¾	SLIP 60' CUT 60' DRLG LINE
2:30	4:00	1½	RUN IN W/ BIT # 53
4:00	7:00	3	REAM 6⅛ TO 9" HOLE
7:00	8:00	1	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				10.7
VISC.				103
W.L.-C.C.				6.0
FLTR. CK.				2/32
pH				8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
65	STANDS DP	5925.78	FT.
5	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS OD	1.93	FT.
	BIT OR C.B.	160	FT.
			FT.
	Kelly Down	32.46	FT.
	TOTAL	6611.00	FT.
WT OF STRING		122M	LBS.
DRILLER		B. Williams	
WEATHER CONDITIONS		Cool + Cloudy	

BIT RECORD

Drilling or Core Bit No.	53
TYPE	W7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	23479
DEPTH IN	6540
DEPTH OUT	
FT. DRILLED	8¾
FT. REAMED	20 3 HRS
FT. CORED	
CUM. HRS. RUN	11¾
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6567	44		6611		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	925	6"	61	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	RIG SERV CHECK BOP'S
8:15	4:00	7¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	108	110	110	104
W.L.-C.C.	6.4	6.4	6.2	5.4
FLTR. CK.	2/32	2/32	2/32	1/16
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
9X	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
65	STANDS DP	5925.05	FT.
2	SNGLS. DP	60.61	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
*	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	35.58	FT.
	TOTAL	6644.04	FT.
WT OF STRING		122,000	LBS.
DRILLER		E. Mill	
WEATHER CONDITIONS		Cold +28°	

BIT RECORD

Drilling or Core Bit No.	53
TYPE	W7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	23479
DEPTH IN	6540
DEPTH OUT	6644
FT. DRILLED	84 15-3/4
FT. REAMED	20 3 HRS
FT. CORED	
CUM. HRS. RUN	18¾
CONDITION	Dull

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6611	33		6644		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	925	6"	61	7
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	RIG SERV. & CHECK B.O.P.
4:15	11:15	7	DRILLING 9" HOLE.
11:15	12:00	¾	ROLL OUT W/ BIT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	
VISC.	N3	102.	110	T
W.L.-C.C.	6.2	6.8	6.4	
FLTR. CK.	2/32	2/32	2/32	R
pH	8.5	8.5	8.5	
SD. CONT.	½%	½%	½%	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	2.5#		
TANNATHIN	50#		

REPORT No. 53
DATE: SEPT. 19

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: HIQ
TOOL JOINT: 6 1/4 OD — TYPE THD.: FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Dan Forbes

LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: NWT

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
		0	998	CONST	918 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	6 1/4	1 1/2	
TRIPPING		3 3/4	
RIG MAINTENANCE	1/4	1/2	
RIG REPAIRS	1 1/2		
HOLE SURVEYS		1/4	
CONDITIONING MUD			
CONDITIONING HOLE		1/2	
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS		1/2	
SUB TOTAL	8	8	
DAYWORK HOURS		4	8
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1786
FEET CUT OFF	1320
PRESENT LENGTH	1653
TON MI. or TRIPS SINCE LAST CUT	121
CUMULATIVE TON MI. or TRIPS	4037
NO. OF DAYS FROM SPUD	46
CUMULATIVE ROTATING HRS.	795
DAYS SINCE LAST ACCDNT.	209
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	338
DAY TOUR	438
EVENING TOUR	238

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
64	STANDS DP	5834.94 FT.	Drilling or Core Bit No.	5-3
2	SNGLS. DP	60.37 FT.	TYPE	W7
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23477
	STB BODY OD	FT.	DEPTH IN	6445
	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	89
		FT.	FT. REAMED	
	Kelly Down	15.93 FT.	FT. CORED	
	TOTAL	6534.00 FT.	CUM. HRS. RUN	16 3/4
WT OF STRING		122,000 LBS.	CONDITION	IN
DRILLER		B. Williams		
WEATHER CONDITIONS		Snowy -30		

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6498	36		6534		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	6 1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	1215	1/4	RIG SERV CHECK BOP'S
1215	1230	1/4	DRLG
1230	200	1 1/2	INSTALL NEW INTERMD DRIVE CHAIN
200	800	6	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	115	105	100	95
W.L.-C.C.	6.2	7.6	6.8	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
64	STANDS DP	5834.94 FT.	Drilling or Core Bit No.	5-2	38-5
	SNGLS. DP	FT.	TYPE	10-7	A
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"	KOEBEL 6 1/8
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	23477	4440
	STB BODY OD	FT.	DEPTH IN	6445	6540
	SUBS OD	1.93 FT.	DEPTH OUT	6540	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	95	
	JARS	7.00 FT.	FT. REAMED		
	Kelly Down	16.54 FT.	FT. CORED		
	TOTAL	6540.00 FT.	CUM. HRS. RUN	18 1/4	
WT OF STRING		122M LBS.	CONDITION	DULL	
DRILLER		B. Williams			
WEATHER CONDITIONS		Snowing & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6534	6		6540		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	1 1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6540	1 1/8							

From	To	Elapsed Time	REMARKS
800	930	1 1/2	DRLG 9" HOLE
930	1030	1	CIRC PRIOR TO CORING
1030	1045	1/4	SURVEY & RIG SERV
1045	1330	3/4	PULL OUT OF HOLE
1330	100	1 1/2	PICK UP CORE BBL
100	130	1 1/2	SLIP & CUT DRLG LINE - 22 FT.
130	330	2	RUN IN W/ CORE BBL
330	400	1/2	CIRC PRIOR TO & CORING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7			
VISC.	106			
W.L.-C.C.	6.6			
FLTR. CK.	2/32			
pH	8.0			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
64	STANDS DP	5834.94 FT.	Drilling or Core Bit No.	38-5
	SNGLS. DP	FT.	TYPE	A KOEBEL
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	6 1/8
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	6540
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	6560
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.00 FT.	FT. REAMED	
	Kelly Down	36.55 FT.	FT. CORED	20
	TOTAL	6560.00 FT.	CUM. HRS. RUN	6 1/2
WT OF STRING		122,000 LBS.	CONDITION	GOOD
DRILLER		E. Mill		
WEATHER CONDITIONS		CLEAR & Cold		

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6540		20	6560		95	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	975	6	43	6 1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	1030	6 1/2	CUTTING & CORE # 5
1030	1200	1 1/2	POH OUT W/ CORE B.BL.

Core #5
Core 6540 to 6560
Core 20'
Recover 16'

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	
VISC.	100	147	118	T
W.L.-C.C.	5.6	5.4	6.6	R
FLTR. CK.	2/32	2/32	2/32	i
pH	8.0	7.5	8.5	P
SD. CONT.	1/2	1/2	1/2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
P.X.	50#		

REPORT No. 52

DATE: Sept 18/80

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5⅞ OD
TYPE THD: F.H.
DRILL PIPE GRADE: E.
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Howard Parker
LOCATION LSD. SEC. TWP. RGE. W.-
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	398	Const.	900 SKS	2% CaCl2

TIME DISTRIBUTION — HOURS

	Morn.	Day	Eve
DRILLING	7¾	3	7¾
TRIPPING		3½	
RIG MAINTENANCE	¼	11	¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1/16
FEET SLIPPED	1764
FEET CUT OFF	1798
PRESENT LENGTH	1675
TON MI. or TRIPS SINCE LAST CUT	64
CUMULATIVE TON MI. or TRIPS	3916
NO. OF DAYS FROM SPUD	45
CUMULATIVE ROTATING HRS.	786 ¾
DAYS SINCE LAST ACCDNT.	209
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	337
DAY TOUR	87
EVENING TOUR	437

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
63	STANDS DP	5743.19 FT.	Drilling or Core Bit No.	51
2	SNGLS. DP	61.70 FT.	TYPE	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	416513
	STB BODY OD	FT.	DEPTH IN	6310
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	133
		FT.	FT. REAMED	
	Kelly Down	15.35 FT.	FT. CORED	
	TOTAL	6443.00 FT.	CUM. HRS. RUN	22¾
WT OF STRING	122,000 LBS.		CONDITION	IN

DRILLER: E. Mill
WEATHER CONDITIONS: Cloudy & Cool +34

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6403	40		6443		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6	61	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	Rig Serv. & Check B.O.P's
12¹⁵	8⁰⁰	7¾	Drilling 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	103	105	107	102
W.L.-C.C.	2/32	6.4	6.6	6.4
FLTR. CK.	6.4	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	25#		
Tannathin	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
63	STANDS DP	5743.14 FT.	Drilling or Core Bit No.	51	52
2	SNGLS. DP	61.70 FT.	TYPE	H-7	W7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	H16513	23477
	STB BODY OD	FT.	DEPTH IN	6310	6445
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	6445	
	BIT OR C.B.	.60 FT.	FT. DRILLED	135	11
		FT.	FT. REAMED		
	Kelly Down	28.35 FT.	FT. CORED		
	TOTAL	6456.00 FT.	CUM. HRS. RUN	23	23¾
WT OF STRING	122,000 LBS.		CONDITION	Dull	IN.

DRILLER: B. Hollan
WEATHER CONDITIONS: WINDY IN P.M.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6443	13		6456		40	40
					80	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	3
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6440	1¾							

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	DRLG
8¹⁵	8³⁰	¼	SURVEY
8³⁰	10³⁰	2	MEASURE OUT + 1.66 DIFF.
10³⁰	10⁴⁵	¼	RIG SERV CHECK BOP'S
10⁴⁵	11³⁰	¾	CUT 22' SLIP 22' DRLG LINE
11³⁰	1⁰⁰	1½	RUN IN W/ BIT #52
1⁰⁰	1¹⁵	¼	REAM 20' TIGHT HOLE TO BOTM.
1¹⁵	4⁰⁰	2¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7			10.7
VISC.	105			105
W.L.-C.C.	TRIP			7.2
FLTR. CK.				2/32
pH				8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
64	STANDS DP	5834.94 FT.	Drilling or Core Bit No.	52
	SNGLS. DP	FT.	TYPE	W7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	23477
	STB BODY OD	FT.	DEPTH IN	6445
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	1.60 FT.	FT. DRILLED	53
		FT.	FT. REAMED	
	Kelly Down	40.30 FT.	FT. CORED	
	TOTAL	6498.00 FT.	CUM. HRS. RUN	10½
WT OF STRING	LBS.		CONDITION	IN

DRILLER: B. Williams
WEATHER CONDITIONS: Lowering & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6456	42		6498	Dense Limestone	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	61	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4¹⁰	4¹⁵	¼	RIG SERV CHECK BOP'S
4¹⁵	12⁰⁰	7¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	105	108	105	105
W.L.-C.C.	7.2	7.4	6.8	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
CAUSTIC	50#		
TANNATHIN	50#		
QX	50#		

REPORT No. 61

DATE: SEPT. 17, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Point Seperation No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO.: 16 | DRILL PIPE STRING NO. SIZE: 4½ | TOOL JOINT: 6¼ OD, TYPE THD. F.H. | DRILL PIPE GRADE: E.

OPERATOR'S REPRESENTATIVE: G. R. Brown. | CONTRACTOR'S TOOL PUSHER: Wm Forbes

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	998	Const.	900 SAX	2% CaCl₂

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	4	6¼	7½
TRIPPING	3¼		
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS		1½	¼
HOLE SURVEYS	¼		
CONDITIONING MUD			
CONDITIONING HOLE			
Lengthened Cleaning To Bottom	¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES 6 SIZE	1/8
FEET SLIPPED	1742
FEET CUT OFF	1796
PRESENT LENGTH	697
TON-MI. or TRIPS SINCE LAST CUT	184
CUMULATIVE TON-MI. or TRIPS	3788
NO. OF DAYS FROM SPUD	44
CUMULATIVE ROTATING HRS.	76.2¼
DAYS SINCE LAST ACCDNT.	208
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	336
DAY TOUR	86
EVENING TOUR	42.60

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
62	STANDS DP	5652.75 FT.	Drilling or Core Bit No.	50	51
	SNGLS. DP	FT.	TYPE	H7	H-7
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	42764Z	41651B
	STB BODY OD	FT.	DEPTH IN	6194	6310
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	6310	
	BIT OR C.B.	.60 FT.	FT. DRILLED	116	5
		FT.	FT. REAMED		
	Kelly Down	39.49 FT.	FT. CORED		
	TOTAL	6315.00 FT.	CUM. HRS. RUN	21¾	1¼
WT OF STRING	121,000 LBS.		CONDITION	Dull	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Clear & Cool 31°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6295	20		6315		85	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6"	60	9¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6310	⅞°							

From	To	Elapsed Time	REMARKS
12⁰⁰	2⁴⁵	2 ¾	DRILLING 9" HOLE.
2⁴⁵	3⁰⁰	¼	RIG SERVICE & CHECK B.O.P.
3⁰⁰	3¹⁵	¼	SURVEY
3¹⁵	6³⁰	3 ¼	TRIP FOR BIT.
6³⁰	6⁴⁵	¼	CIRC TO BOTTOM.
6⁴⁵	8⁰⁰	1 ¼	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7			10.8
VISC.	90			132
W.L.-C.C.	6.2			6.2
FLTR. CK.	2/32			2/32
pH	8.5			8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
62	STANDS DP	5650.75 FT.	Drilling or Core Bit No.	51	
2	SNGLS. DP	60.36 FT.	TYPE	H-7	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	H16513	
	STB BODY OD	FT.	DEPTH IN	6310	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	43	
		FT.	FT. REAMED		
	Kelly Down	17.13 FT.	FT. CORED		
	TOTAL	6353 FT.	CUM. HRS. RUN	7½	
WT OF STRING	121,000 LBS.		CONDITION	IN	

DRILLER: D. Stolan

WEATHER CONDITIONS: SUNNY & MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6315	38		6353		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6"	61	6¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV CHECK BOP's
8¹⁵	9³⁰	1 ¼	DRLG
9³⁰	11⁰⁰	1 ½	REP. ROTARY CHAIN & LINE UP ROTARY TABLE
11⁰⁰	4⁰⁰	5	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	110	103	95	105
W.L.-C.C.	6.8	7.0	7.0	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
CAUSTIC	25#		
QX	50#		
CLEAN SHAKER COMPARTMENT. (Cleaned half of 1st tank)			

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
63	STANDS DP	5743.19 FT.	Drilling or Core Bit No.	51	
	SNGLS. DP	FT.	TYPE	H-7	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	H16513	
	STB BODY OD	FT.	DEPTH IN	6310	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	93	
		FT.	FT. REAMED		
	Kelly Down	37.05 FT.	FT. CORED		
	TOTAL	6403 FT.	CUM. HRS. RUN	15	
WT OF STRING	121M LBS.		CONDITION	IN	

DRILLER: B. Mellonig

WEATHER CONDITIONS: Clear & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6353	50		6403	Limestone & Calcite		

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6"	61	7½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹³	¼	RIG SERV CHECK BOP'S
4¹³	4³⁰	¼	WORK ON MOTORS
4³⁰	12⁰⁰	7 ½	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	107	97	108	104
W.L.-C.C.	6.6	5.8	5.8	6.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 50

DATE: Sept 16, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD — TYPE THD: F.H.
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: G. R. Brown.
CONTRACTOR'S TOOL PUSHER: [illegible]

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION — No. 1 — PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5	0	998	Const.	900 Sax	2% CaCl₂

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	3½	7¼	3¾
TRIPPING	2½		
RIG MAINTENANCE	1¼	1¼	1¼
RIG REPAIRS	½		
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL		8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 — SIZE 7/8
FEET SLIPPED 174
FEET CUT OFF 1276
PRESENT LENGTH 1647
TON MI. or TRIPS SINCE LAST CUT 61
CUMULATIVE TON MI. or TRIPS 3666

NO. OF DAYS FROM SPUD 43
CUMULATIVE ROTATING HRS. 744½
DAYS SINCE LAST ACCDNT. 207
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 335
DAY TOUR 85
EVENING TOUR 435

MORNING TOUR

NO.	DRILLING ASSEMBLY		
61	STANDS DP	5561.95	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	22.29	FT.
	TOTAL	6207.00	FT.
WT OF STRING		120,000	LBS.
DRILLER	E. Mill		
WEATHER CONDITIONS	Cloudy & Cool +34		

BIT RECORD	
Drilling or Core Bit No.	50
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	427642
DEPTH IN	6194
DEPTH OUT	
FT. DRILLED	13
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	3½
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6194	13		6207		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6	61	3¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	RIG SERV. & CHECK B.O.P.
12:15	1:30	1¼	FINISH PULL OUT W/BIT
1:30	2:00	½	WORK ON DWKS.
2:00	3:00	1	SLIP 22' & CUT 22' DRILL LINE
3:00	4:15	1¼	RUN IN W/BIT # 50
4:15	4:30	¼	BREAK CIRC & CLEAN OUT TO BOTTOM. 4 FT
4:30	8:00	3½	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.8	10.7
VISC.			110	100
W.L.-C.C.			6.4	6.6
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
61	STANDS DP	5561.95	FT.
1	SNGLS. DP	30.17	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	37.12	FT.
	TOTAL	6252.	FT.
WT OF STRING		120,000	LBS.
DRILLER	R. Holan		
WEATHER CONDITIONS	CLOUDY		

BIT RECORD	
Drilling or Core Bit No.	50
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	427642
DEPTH IN	6194
DEPTH OUT	
FT. DRILLED	58
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	11¼
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6207	45		6252		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6"	61	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	RIG SERV CHECK BOPS
8:15	4:00	7¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	112	105	90	8.5
W.L.-C.C.	6.2	6.4	6.8	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
DX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
62	STANDS DP	5627.95	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	16.49	FT.
	TOTAL	6295.00	FT.
WT OF STRING		120M	LBS.
DRILLER	G. Williams		
WEATHER CONDITIONS	Cloudy & Cool		

BIT RECORD	
Drilling or Core Bit No.	50
TYPE	H-7
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	H27642
DEPTH IN	6194
DEPTH OUT	
FT. DRILLED	101
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	19
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6252	43		6295	Limestone	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6"	61	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	RIG SERV CHECK BOP'S
4:00	12:00	7¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	77	82	95	100
W.L.-C.C.	6.6	6.6	6.4	6.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
CAUSTIC	25#		
TANNATHIN	50#		

REPORT No. 49

DATE: SEPT 15, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
OPERATOR'S REPRESENTATIVE: G. R. Brown.
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼" OD
TYPE THD.: F.H.
DRILL PIPE GRADE: E
CONTRACTOR'S TOOL PUSHER: Dan Coles
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION
No.: 1
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	998	Const.	900 SAX	2% CaCl.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING		6½	7
TRIPPING			½
RIG MAINTENANCE	¾	1¼	¼
RIG REPAIRS			
HOLE SURVEYS			¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	¾	1¼	8
DAYWORK HOURS	7¼	1¼	
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1/18
FEET SLIPPED 1720
FEET CUT OFF 1754
PRESENT LENGTH 1719
TON MI. or TRIPS SINCE LAST CUT 176
CUMULATIVE TON MI. or TRIPS 3544

NO. OF DAYS FROM SPUD 42
CUMULATIVE ROTATING HRS. 72542
DAYS SINCE LAST ACCDNT. 206
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 334
DAY TOUR 84
EVENING TOUR 434

MORNING TOUR

NO.	DRILLING ASSEMBLY		
60	STANDS DP	5470.11	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	19.13	FT.
	TOTAL	6112.00	FT.
WT OF STRING		119,000	LBS.
DRILLER	E Mell		
WEATHER CONDITIONS	Cloudy + Cool + 40		

BIT RECORD

Drilling or Core Bit No.	38-4	49
TYPE	◇ Koffel	H7
SIZE	6⅛	9"
NOZZ. SIZE		11/16
SERIAL No.	4440	427646
DEPTH IN	6101	6101
DEPTH OUT	6122	
FT. DRILLED		
FT. REAMED		11
FT. CORED	21	
CUM. HRS. RUN	7¾	2¼
CONDITION	Cond	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6119		3 CORED	6122		95	10
6101		11 REAMED	6112		95	15

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	6½	34	¾
PUMP No. 2	950	6½	52	2¼

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	CUTTING ◇ CORE #4
12¹⁵	2³⁰	1 ¾	PULL OUT W/ CORE B.B.L.
2³⁰	3³⁰	1	RECOVER CORE & STAND BACK B.B.L. + SERVICE B.B.L.
3³⁰	3⁴⁵	¼	RIG SERV & CHECK B.O.P.
3⁴⁵	5⁰⁰	1 ¼	RUN IN W/BIT #49.
5⁰⁰	5¹⁵	¼	BREAK CIRC & CLEAN OUT TO TOP OF RAT HOLE.
5¹⁵	5⁴⁵	½	LEVEL DERRICK
5⁴⁵	8⁰⁰	2 ¼	REAMING 6⅛ TO 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				10.7
VISC.				92
W.L.-C.C.				5.6
FLTR. CK.				2/32
pH				8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
60	STANDS DP	5470.11	FT.
1	SNGLS. DP	30.32	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.87	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	35.81	FT.
	TOTAL	6159	FT.
WT OF STRING		119,000	LBS.
DRILLER	R. Nolan		
WEATHER CONDITIONS	CLOUDY		

BIT RECORD

Drilling or Core Bit No.	49	
TYPE	H7	
SIZE	9"	
NOZZ. SIZE	11/16	
SERIAL No.	427646	
DEPTH IN	6101	
DEPTH OUT		
FT. DRILLED	37	6½ HR
FT. REAMED	21	3½ HRS
FT. CORED		
CUM. HRS. RUN	10	TOTAL
CONDITION	IN	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6112		10	6122		95	15
6122	37		6159	85 90 80 40		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	52	1
PUMP No. 2	950	6½	52	3¾

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV CHECK BOP'S
8¹⁵	9³⁰	1 ¼	TEAM 6⅛ TO 9" HOLE.
9³⁰	4⁰⁰	6 ½	DRLG
			CHANG TO 6" HEADS & LINERS #1 PUMP (1 NEW SEAT)

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	105	93	87	85
W.L.-C.C.	6.2	6.0	5.8	6.0
FLTR. CK.	32	32	32	32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
60	STANDS DP	5470.11	FT.
2	SNGLS. DP	60.71	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
1	STB BODY 6" OD		FT.
1	SUB 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	40.42	FT.
	TOTAL	6194.00	FT.
WT OF STRING		119 M	LBS.
DRILLER	B. Williams		
WEATHER CONDITIONS	Cloudy + Cool		

BIT RECORD

Drilling or Core Bit No.	49	
TYPE	H7	
SIZE	9"	
NOZZ. SIZE	11/16	
SERIAL No.	427646	
DEPTH IN	6101	
DEPTH OUT	6194	
FT. DRILLED	73	
FT. REAMED	21	3½ HRS
FT. CORED		
CUM. HRS. RUN	17	
CONDITION	DULL	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6159	35		6194	Limestone + Siltstone	90	40

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6194	¼°							

PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6	61	
PUMP No. 2				

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV CHECK BOP'S
4¹⁵	11¹⁵	7	DRLG 9" HOLE
11¹⁵	11³⁰	¼	SURVEY
11³⁰	12⁰⁰	½	PULL OUT FOR NEW BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	
VISC.	85	95	84	
W.L.-C.C.	6.4	6.4	6.6	
FLTR. CK.	32	32	32	
pH	8.0	8.0	8.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 48
DATE: SEPT. 14, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD, TYPE THD: F. H.
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. P. Brown
CONTRACTOR'S TOOL PUSHER: Hlond Cobb

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: Point Seperation No. 1
PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5	0	998	Const	900 Sax	2% ca cl.

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7¾	3	
TRIPPING		13¼	
RIG MAINTENANCE	¼	¾	1¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8¼	16¼	1¼
DAYWORK HOURS	8¼	16¼	1¼
TOTAL HOURS	8	16	1

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1 1/8
FEET SLIPPED 1720
FEET CUT OFF 1754
PRESENT LENGTH 1719
TON MI. or TRIPS SINCE LAST CUT 59
CUMULATIVE TON MI. or TRIPS 3427

NO. OF DAYS FROM SPUD 41
CUMULATIVE ROTATING HRS. 707 3/4
DAYS SINCE LAST ACCDNT. 705
DRILLER ACCDNT. FREE DAYS

MORNING TOUR 333
DAY TOUR 83
EVENING TOUR 433

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
59	STANDS DP	5376.55 FT.	Drilling or Core Bit No.	48
2	SNGLS. DP	61.45 FT.	TYPE	OWC
13	D.C 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	24063
	STB BODY OD	FT.	DEPTH IN	6022
1	SUB 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	66
		FT.	FT. REAMED	
	Kelly Down	27.24 FT.	FT. CORED	
	TOTAL	6088.00 FT.	CUM. HRS. RUN	13½
WT OF STRING		118,000 LBS.	CONDITION	IN

DRILLER: L. Mill
WEATHER CONDITIONS: Rain

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6054	34		6088		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	53	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	12 15	¼	Rig Serv & Check B.O.P.
12 15	8 00	7¾	Drilling 9" Hole
			Checked Gas Masks

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	65	74	78	76
W.L.-C.C.	6.8	7.0	6.6	6.6
FLTR. CK.	2/32	2/32	2/32	1/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE	50#	LOUIS	

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
59	STANDS DP	5376.55 FT.	Drilling or Core Bit No.	48
2	SNGLS. DP	61.45 FT.	TYPE	OWC
13	D.C 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	24063
	STB BODY OD	FT.	DEPTH IN	6022
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	6101
	BIT OR C.B.	.60 FT.	FT. DRILLED	79
		FT.	FT. REAMED	
	Kelly Down	41.22 FT.	FT. CORED	
	TOTAL	6101.98 FT.	CUM. HRS. RUN	16½
WT OF STRING		118,000 LBS.	CONDITION	

DRILLER: H. Holan
WEATHER CONDITIONS: Rain

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6088	13		6101		85 90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	53	4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6100	3/4							

From	To	Elapsed Time	REMARKS
8 00	11 00	3	Drlg
11 00	12 00	1	Circ Hole Clean For Coring
12 00	12 15	¼	Survey
12 15	2 00	1¾	Pull out To Run Core Bbl. To
2 00	2 45	¾	Slip 44' Cut 44' Drlg Line
2 45	3 00	¼	Pick up Core Bbl Make up Bit
3 00	4 00	1	Running in w/ Core Bbl

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7		
VISC.	83	80		
W.L.-C.C.	6.6	7.8	TRIP	
FLTR. CK.	2/32	2/32		
pH	8.0	8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
59	STANDS DP	5376.55 FT.	Drilling or Core Bit No.	38-H
3	SNGLS. DP	31.75 FT.	TYPE	O Koebel
13	D.C 6¼ OD	403.41 FT.	SIZE	6 1/8
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	6101
	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	29.19 FT.	FT. CORED	18
	TOTAL	6119.00 FT.	CUM. HRS. RUN	7
WT OF STRING		118M LBS.	CONDITION	IN

DRILLER: B. McWilliams
WEATHER CONDITIONS: Cloudy & Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6101		18	6119		70 80 40 60	
					495	80 10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	6½	34	7½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	4 15	¼	Run in w/ Core Bbl
4 15	4 30	¼	Rig Serv
4 30	5 00	½	Circ Clean Hole Prior To Coring
5 00	12 00	7	@ Coring Core #4

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.8	10.8
VISC.	120	120	110	105
W.L.-C.C.	5.2	5.2	5.2	5.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 47
DATE: Sept 13, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 1 4½
TOOL JOINT: 6¼ OD — TYPE THD. F.H.
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: D. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Parker

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: Point Seperation — No. 1
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H.40	0	998	Const.	900 Sax.	2% Ca Cl.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7¾	5¼	5¾
TRIPPING		13¼	1½
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS		¾	½
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL		8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1/18
FEET SLIPPED 1676
FEET CUT OFF 1710
PRESENT LENGTH 1763
TON MI. or TRIPS SINCE LAST CUT 173
CUMULATIVE TON MI. or TRIPS 3310

NO. OF DAYS FROM SPUD 40
CUMULATIVE ROTATING HRS. 690
DAYS SINCE LAST ACCDNT. 204
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 332
DAY TOUR 82
EVENING TOUR 432.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
58	STANDS DP	5284.37 FT.	Drilling or Core Bit No.	47
2	SNGLS. DP	61.70 FT.	TYPE	MHL
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16"
	RMR BODY OD	FT.	SERIAL No.	419758
	STB BODY OD	FT.	DEPTH IN	5941
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	56
		FT.	FT. REAMED	
	Kelly Down	28.17 FT.	FT. CORED	
	TOTAL	5997.00 FT.	CUM. HRS. RUN	10
WT OF STRING		117,000 LBS.	CONDITION	IN

DRILLER: E Miller
WEATHER CONDITIONS: Cloudy & Cool Light Rain

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5955	42		5997		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	53	7¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	Rig Serv. & Check BOP's
12:15	8:00	7¾	Drilling 9" Hole
			Checked Brakes & Line

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	67	77	73	67
W.L.-C.C.	7.0	6.6	6.2	6.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
Caustic	25#		
Kennaithin	50#		
Driscose	50#	Lewis	

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
59	STANDS DP	5376.55 FT.	Drilling or Core Bit No.	47	48
	SNGLS. DP	V FT.	TYPE	MHL	OWC
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	419758	24063
	STB BODY OD	FT.	DEPTH IN	5941	
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	6022	
	BIT OR C.B.	.60 FT.	FT. DRILLED	81	
		FT.	FT. REAMED		
	Kelly Down	2269 FT.	FT. CORED		
	TOTAL	6022 FT.	CUM. HRS. RUN	15¼	
WT OF STRING		117,000 LBS.	CONDITION	Dull	

DRILLER: K. Nolan
WEATHER CONDITIONS: Cloudy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5997	25		6022		85 90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	53	5¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	Rig Serv. Check BOP's
8:15	1:30	5 ¼	Drlg
1:30	3:15	1 ¾	Pull out Change Bit's
3:15	4:00	¾	Work on Brakes

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.8	
VISC.	60	73	77	T
W.L.-C.C.	7.6	7.4		R
FLTR. CK.	2/32	2/32		I
pH	8.0	8.0		A
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
CAUSTIC	25#		
QX	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
59	STANDS DP	5376.55 FT.	Drilling or Core Bit No.	48
1	SNGLS. DP	30.70 FT.	TYPE	OWC
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	24063
	STB BODY OD	FT.	DEPTH IN	6022
1	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	32
		FT.	FT. REAMED	
	Kelly Down	2279 FT.	FT. CORED	
	TOTAL	6054.00 FT.	CUM. HRS. RUN	5¾
WT OF STRING		117M LBS.	CONDITION	IN

DRILLER: B. Williams
WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6022	32		6054	Limestone	80	25 to 30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	53	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:30	½	Work on Brakes
4:30	4:45	¼	Rig Serv Check BOP's
4:45	5:45	1	Run in w/ Bit #48
5:45	12:00	5 ¾	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	90	90	85	80
W.L.-C.C.	6.8	6.8	6.8	6.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
KANNATHIN	50#		

REPORT No. 46
DATE: Sept. 12, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
OPERATOR'S REPRESENTATIVE: G. R. Brown
CONTRACTOR'S TOOL PUSHER: Doug Baker

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Point Seperation No. 1
PROVINCE: N.W.T.

RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD, TYPE THD F.H. | DRILL PIPE GRADE E

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	Const.	900 Sax	2% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4	7¾	4
TRIPPING	1½		3
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	½		¼
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			½
SUB TOTAL	6¼	8	8
DAYWORK HOURS	13¼		
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES / SIZE	6 / 1/4
FEET SLIPPED	16.76
FEET CUT OFF	1710
PRESENT LENGTH	1763
TON MI. or TRIPS SINCE LAST CUT	56
CUMULATIVE TON MI. or TRIPS	3193
NO. OF DAYS FROM SPUD	39
CUMULATIVE ROTATING HRS.	67¼
DAYS SINCE LAST ACCDNT.	203
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	331
DAY TOUR	81
EVENING TOUR	431

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
57	STANDS DP	5192.31 FT.	Drilling or Core Bit No.	46
2	SNGLS. DP	60.86 FT.	TYPE	OWV
3	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	29754
	STB BODY OD	FT.	DEPTH IN	5866
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	26
		FT.	FT. REAMED	
	Kelly Down	16.07 FT.	FT. CORED	
	TOTAL	5892.00 FT.	CUM. HRS. RUN	4
WT OF STRING	112,000 LBS.		CONDITION	IN

DRILLER: E. Mills
WEATHER CONDITIONS: Foggy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5866	26		5892		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	4½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	1:45	1 ¾	LOGGING BY WELEX
1:45	2:00	¼	SLIP 22' DRILL LINE
2:00	3:30	1 ½	RUN IN W/BIT #46
3:30	4:00	½	BREAK CIRC. & CLEAN 15' TO BOTTOM.
4:00	8:00	4:00	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10	10.8	10.7	
VISC.	52	123	63	
W.L.-C.C.	8	6.8	7.0	
FLTR. CK.	1	2/32	2/32	
pH	8	8.0	8.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	25#		
Thinnithin	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
58	STANDS DP	5284.37 FT.	Drilling or Core Bit No.	46
	SNGLS. DP	FT.	TYPE	OWV
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	29754
	STB BODY OD	FT.	DEPTH IN	5866
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	68
		FT.	FT. REAMED	
	Kelly Down	26.87 FT.	FT. CORED	
	TOTAL	5934 FT.	CUM. HRS. RUN	13¾
WT OF STRING	112,000 LBS.		CONDITION	IN

DRILLER: R. Nielsen
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5892	42		5934		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	RIG SERV. CHECK BOP'S
8:15	4:00	7 ¾	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	55	37	60	62
W.L.-C.C.	6.8	6.8	7.8	7.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
58	STANDS DP	5284.37 FT.	Drilling or Core Bit No.	#6	#7
1	SNGLS. DP	30.70 FT.	TYPE	OWV	MHL
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	29754	41977
	STB BODY OD	FT.	DEPTH IN	5866	5941
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	5941	
	BIT OR C.B.	.60 FT.	FT. DRILLED	75	84
		FT.	FT. REAMED		
	Kelly Down	17.17 FT.	FT. CORED		
	TOTAL	5955.00 FT.	CUM. HRS. RUN	13½	2¼
WT OF STRING	114 LBS.		CONDITION	DULL	IN

DRILLER: B. Williams
WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5934	21		5955	Limestone	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5941	1°							

From	To	Elapsed Time	REMARKS
4:00	5:45	1 ¾	DRLG 9" HOLE
5:45	6:00	¼	DEV SURVEY & RIG SERV
6:00	9:00	1 ½	PULL OUT FOR NEW BIT → 2 hours
9:00	9:30	½	SLIP 22 CUT 66' DRILLINE
9:30	9:30	1	RUN IN W/ BIT # 47
9:30	9:45	¼	CLEAN 47' FILL TO BOTTOM
9:45	12:00	2 ¼	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10	8		10 8
VISC.	68			74
W.L.-C.C.	7.0	TRN		5.8
FLTR. CK.	2/32			2/32
pH	8.0			8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	35#		
QX	50#		

REPORT No. 45

DATE: SEPT 11, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION #1
No.: 1
PROVINCE:
DRILL PIPE STRING NO. SIZE:
TOOL JOINT: 6 1/4 OD TYPE THD. F.H.
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Don Baker

PUMPS No.	MANUFACTURER	TYPE
1.	OIL-WELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 H-40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	5 3/4		
TRIPPING	1		
RIG MAINTENANCE	1/4		
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE	1		
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	6		
DAYWORK HOURS	2	8	
TOTAL HOURS	8	8	

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 11/16
FEET SLIPPED	1632
FEET CUT OFF	1644
PRESENT LENGTH	1629
TON MI. or TRIPS SINCE LAST CUT	215
CUMULATIVE TON MI. or TRIPS	3026
NO. OF DAYS FROM SPUD	38
CUMULATIVE ROTATING HRS.	655 1/2
DAYS SINCE LAST ACCDNT.	202
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	430
DAY TOUR	330
EVENING TOUR	80

MORNING TOUR

NO.	DRILLING ASSEMBLY		
57	STANDS DP	5192.31	FT.
1	SNGLS. DP	30.61	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	20.32	FT.
	TOTAL	5866.00	FT.
WT OF STRING		110M	LBS.
DRILLER		B. Williams	
WEATHER CONDITIONS		Clear & Cool	

BIT RECORD: Drilling or Core Bit No. 4B; TYPE OWV; SIZE 9"; NOZZ. SIZE 11/16; SERIAL No. 297239; DEPTH IN 5790; DEPTH OUT 5866; FT. DRILLED 68; FT. REAMED; FT. CORED; CUM. HRS. RUN 10 1/2; CONDITION DULL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
5835	31		5866	Dense Limestone	90	40	PUMP No. 1	900	6 1/2	54	8 3/4
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	12 15	1/4	RIG SERV CHECK BOP'S
12 15	6 00	5 3/4	DRLG 9" HOLE
6 00	7 00	1	CIRC COND HOLE PRIOR TO LOGGING
7 00	8 00	1	PULL OUT TO LOG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	60	65	71	74
W.L.-C.C.	7.4	7.0	6.6	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000 #		
CAUSTIC	25 #		
QX	50 #		

DAY TOUR

NO.	DRILLING ASSEMBLY		
57	STANDS DP	5192.31	FT.
1	SNGLS. DP	30.61	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	20.32	FT.
	TOTAL	5866.00	FT.
WT OF STRING		110,000	LBS.
DRILLER		E. Mill	
WEATHER CONDITIONS		Cloudy & Cold	

BIT RECORD: Drilling or Core Bit No.; TYPE; SIZE; NOZZ. SIZE; SERIAL No.; DEPTH IN; DEPTH OUT; FT. DRILLED; FT. REAMED; FT. CORED; CUM. HRS. RUN; CONDITION

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
5866	—	—	5866				PUMP No. 1				
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 00	8 30	1/2	FINISH PULL OUT TO LOG.
8 30	9 00	1/2	RIG UP LOGGERS
9 00	4 00	7	LOGGING W/ WELEX

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		
	STANDS DP		FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
	OD		FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.
DRILLER		B. Holan	
WEATHER CONDITIONS		Light Rain Cool	

BIT RECORD: Drilling or Core Bit No.; TYPE; SIZE; NOZZ. SIZE; SERIAL No.; DEPTH IN; DEPTH OUT; FT. DRILLED; FT. REAMED; FT. CORED; CUM. HRS. RUN; CONDITION

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
5866							PUMP No. 1				
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	12 00	8	LOGGING BY WELEX
			CHANGE OIL IN 6 M's ON FLOOR.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No: 44
DATE: Sept 10/69

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO. 16
DRILL PIPE STRING NO. SIZE 4½
TOOL JOINT 6¼ OD, TYPE THD. FH
DRILL PIPE GRADE E
OPERATOR'S REPRESENTATIVE: G. R. Brown
CONTRACTOR'S TOOL PUSHER: Norm Baker
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT. SEPARATION No. 1
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5 H-40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	3	6 7/8	4 3/4
TRIPPING	1	3/4	2½
RIG MAINTENANCE	¼	¼	1½
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	3¼		1½
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS	5		
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES / SIZE	6 / 1 1/8
FEET SLIPPED	1632
FEET CUT OFF	1644
PRESENT LENGTH	1529
TON MI. or TRIPS SINCE LAST CUT	160
CUMULATIVE TON MI. or TRIPS	2973
NO. OF DAYS FROM SPUD	37
CUMULATIVE ROTATING HRS.	649 3/4
DAYS SINCE LAST ACCDNT.	201
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	429
DAY TOUR	329
EVENING TOUR	79

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
56	STANDS DP	5100.95 FT.	Drilling or Core Bit No.	44
	SNGLS. DP	FT.	TYPE	M44
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	432396
	STB BODY OD	FT.	DEPTH IN	5207
1	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	24
		FT.	FT. REAMED	30
	Kelly Down	37.29 FT.	FT. CORED	
	TOTAL	5761.00 FT.	CUM. HRS. RUN	6½
WT OF STRING	144M LBS.		CONDITION	1N
DRILLER	E. Williams			
WEATHER CONDITIONS	Cloudy & Cold +42°			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5707		30	5737		90	15
5737	24		5761		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	6½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	100	1	RUN IN W/ BIT #44
100	115	¼	RIG SERV CHECK BOP'S
115	130	¼	CLEAN 8' TO TOP OF RATHOLE
130	500	3 ½	REAM 6 1/8" RATHOLE TO 9" MAJOR HOLE
500	900	3	DRIG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	83	80	70	64
W.L.-C.C.	6.4	7.0		7.0
FLTR. CK.	2/32			
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
56	STANDS DP	5100.95 FT.	Drilling or Core Bit No.	44
2	SNGLS. DP	61.30 FT.	TYPE	M44
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	432396
	STB BODY OD	FT.	DEPTH IN	5707
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	5798
	BIT OR C.B.	.60 FT.	FT. DRILLED	91
		FT.	FT. REAMED	30-31
	Kelly Down	12.99 FT.	FT. CORED	
	TOTAL	5798.00 FT.	CUM. HRS. RUN	13¼
WT OF STRING	110,000 LBS.		CONDITION	Dull
DRILLER	E. Mill			
WEATHER CONDITIONS	CLEAR & WARM			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5761	97		5798		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	6¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5798	¼°							

From	To	Elapsed Time	REMARKS
800	813	¼	RIG SERV. & CHECK B.O.P's
813	300	6¾	DRILLING 9" HOLE
300	315	¼	SURVEY
315	400	¾	POH OUT W/BIT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	
VISC.	63	60	57	
W.L.-C.C.	6.8	6.8	7.0	
FLTR. CK.	2/32	2/32	2/32	
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
57	STANDS DP	5192.31 FT.	Drilling or Core Bit No.	H5
	SNGLS. DP	FT.	TYPE	HTC OWV
13	D.C. 6¼ OD	408.44 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	29739
	STB BODY OD	FT.	DEPTH IN	5796
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	37
		FT.	FT. REAMED	
	Kelly Down	19.93 FT.	FT. CORED	
	TOTAL	5835.00 FT.	CUM. HRS. RUN	4¾
WT OF STRING	110,000 LBS.		CONDITION	1N
DRILLER	B. Bolan			
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5798	37		5835		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	6¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	413	¼	RIG SERV
1145	645	2 ½	FINISH TRIP
645	715	½	CLEAN 17' TO BOTM
715	1200	4 ¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.8	10.8
VISC.			55	56
W.L.-C.C.	TRIP		7.8	8.0
FLTR. CK.			2/32	2/32
pH			8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1600#		
CAUSTIC	25#		
TANNATHIN	50#		
DRISCOSE	50#		

REPORT No. 43 DATE: Sept 9/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD, TYPE THD. FH
DRILL PIPE GRADE: E
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: PT. SEPARATION No. 1
PROVINCE: NWT
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Doug Cole

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	CONST	900 SAX	2% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	2¼		
TRIPPING	9½		
RIG MAINTENANCE			1
RIG REPAIRS			
HOLE SURVEYS	¼		
CONDITIONING MUD			
CONDITIONING HOLE	1½		
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS	1		
SUB TOTAL			1
DAYWORK HOURS	4	8	7
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1632
FEET CUT OFF	116
PRESENT LENGTH	1829
TON. MI. of TRIPS SINCE LAST CUT	406
CUMULATIVE TON. MI. or TRIPS	2863

NO. OF DAYS FROM SPUD	37
CUMULATIVE ROTATING HRS.	631¾
DAYS SINCE LAST ACCDNT.	200
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	428
DAY TOUR	328
EVENING TOUR	78

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
55	STANDS DP	5008.52 FT.	Drilling or Core Bit No.	43 RR-3
	SNGLS. DP	FT.	TYPE	MHN Δ
13	D.C. 6¼ OD	403.41 FT.	SIZE	9" 6⅛
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	462180 4440
	STB BODY OD	FT.	DEPTH IN	5615 5707
X 0	SUBS OD	1.93 FT.	DEPTH OUT	5707
	BIT OR C.B.	59.35 FT.	FT. DRILLED	92
JARS		7.00 FT.	FT. REAMED	
	Kelly Down	9.97 FT.	FT. CORED	
	TOTAL	5707.00 FT.	CUM. HRS. RUN	1379 ½
WT OF STRING		140M LBS.	CONDITION	DULL IN
DRILLER		D. Williams		
WEATHER CONDITIONS		Clear		

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5693	14		5707		90	40
5707		Coring 1ST FT NOT MADE			70	2+3

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	1
PUMP No. 2	900	6½	54	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5707	1°							

From	To	Elapsed Time	REMARKS
1900	2100	2 ¼	DRLG 9" HOLE
2100	2215	1	CIRC COND HOLE PRIOR TO CORING
2215	2330	¼	DEV SURVEY & RIG SERV
2330	500	1 ½	PULL OUT OF HOLE
500	600	1	PICK UP CORE BBL & CHANGE CORE CATCHER
600	700	1	RUN IN W/ BBL
700	730	½	CIRC PRIOR TO CORING
730	800	½	Δ CORING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	T	
VISC.	64	65	R	
W.L.-C.C.	6.8	6.6	I	
FLTR. CK.	2/32	2/32	P	
pH	8.0	8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISCOSE	50#	LVIS	
CAUSTIC	25#		
TANNATHIN	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
55	STANDS DP	5008.52 FT.	Drilling or Core Bit No.	38-3
	SNGLS. DP	FT.	TYPE	Δ
13	D.C. 6¼ OD	403.41 FT.	SIZE	6⅛
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
1	STB BODY 6¼ OD	1.93 FT.	DEPTH IN	5707
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
	JARS	7.03 FT.	FT. REAMED	
	Kelly Down	28.94 FT.	FT. CORED	18
	TOTAL	5725.00 FT.	CUM. HRS. RUN	8½
WT OF STRING		110,000 LBS.	CONDITION	IN
DRILLER		E. Mill		
WEATHER CONDITIONS		Cloudy + Cold		

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5707		18	5725		90	10+12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	750	6½	34	8
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	400	8	CUTTING & CORE # 3

Core #3
5707 - 5737
30 feet
Core
Recover 30 feet

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	85	72	70	70
W.L.-C.C.	6.4	6.6	6.4	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
55	STANDS DP	5008.52 FT.	Drilling or Core Bit No.	38-3	44
	SNGLS. DP	FT.	TYPE	KOEBEL Δ	MHL
13	D.C. 6¼ OD	403.41 FT.	SIZE	6⅛	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE		11/16
	RMR BODY OD	FT.	SERIAL No.	4440	432396
	STB BODY OD	FT.	DEPTH IN	5707	5707
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	5737	
	BIT OR C.B.	59.35 FT.	FT. DRILLED		
	JARS	7.03 FT.	FT. REAMED		
	Kelly Down	29.94 FT.	FT. CORED	30	
	TOTAL	5737.00 FT.	CUM. HRS. RUN	12¼	
WT OF STRING		110,000 LBS.	CONDITION	GOOD	
DRILLER		L. Nolan			
WEATHER CONDITIONS					

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5725		12	5737		90	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	750	6½	34	3¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	745	3 ¾	CUTTING CORE # 3.
745	800	¼	RIG SERV.
800	930	1 ½	PULL OUT W/ CORE BBL
930	1100	1 ½	RECOVER CORE SERV. BBL. STAND BACK SAME.
1100	1145	¾	SLIP 22' CUT 44' DRLG LINE
1145	1200	¼	START IN W/ BIT # 44

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8		
VISC.	73	67		
W.L.-C.C.	6.8	7.0	TRIP	
FLTR. CK.	2/32	2/32		
pH	8.5	8.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

REPORT No. 42

DATE: Sept 8/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD; TYPE THD.: FH
DRILL PIPE GRADE: E
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: NWT
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Gibson

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5 H40	0	998	CONST.	900 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Mom	Day	Eve
DRILLING	7	3½	7¾
TRIPPING	¼	2¼	
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS		1½	
HOLE SURVEYS	½		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS		¼	
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1610
FEET CUT OFF	1600
PRESENT LENGTH	1873
TON MI. or TRIPS SINCE LAST CUT	256
CUMULATIVE TON MI. or TRIPS	2713
NO. OF DAYS FROM SPUD	36
CUMULATIVE ROTATING HRS.	617¼
DAYS SINCE LAST ACCDNT.	199
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	427
DAY TOUR	327
EVENING TOUR	77

MORNING TOUR

NO.	DRILLING ASSEMBLY		
	STANDS DP	4918.02	FT.
2	SNGLS. DP	59.95	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6¼ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	14.28	FT.
	TOTAL	5615.	FT.
WT OF STRING	104M		LBS.
DRILLER	D. Williams		
WEATHER CONDITIONS	Cloudy & Cool		

BIT RECORD: Drilling or Core Bit No. 42; TYPE 14 N; SIZE 9"; NOZZ. SIZE 11/16; SERIAL No. 407186; DEPTH IN 5514; DEPTH OUT 5615; FT. DRILLED 101; FT. REAMED; FT. CORED; CUM. HRS. RUN 13¾; CONDITION DULL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5574	41		5615	Limestone & Shale	100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	
PUMP No. 2				

DEVIATION RECORD: DEPTH 5612 DEV. 1¼ DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12²⁰		¼	RIG SERV CHECK BOP
12²⁰	7.15	7	OD	DRLG 9" HOLE
7.15	7⁴⁵		½	SURVEY
7⁴⁵	8⁰⁰		¼	PULL OUT FOR NEW BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.6	10.8	10.8
VISC.	60	68	70	74
W.L.-C.C.	6.6	6.6	6.8	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		

DAY TOUR

NO.	DRILLING ASSEMBLY		
54	STANDS DP	4918.02	FT.
2	SNGLS. DP	59.95	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	36.27	FT.
	TOTAL	5637.00	FT.
WT OF STRING	106,000		LBS.
DRILLER	E. Mill		
WEATHER CONDITIONS	SUNNY & WARM		

BIT RECORD: Drilling or Core Bit No. 43; TYPE M4N; SIZE 9"; NOZZ. SIZE 11/16; SERIAL No. 407185; DEPTH IN 5615; DEPTH OUT; FT. DRILLED 22; FT. REAMED; FT. CORED; CUM. HRS. RUN 3½; CONDITION IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5615	22		5637		90	30&40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	3¾
PUMP No. 2				

DEVIATION RECORD: DEPTH [illegible] DEV. [illegible] DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	9¹⁵	1	¼	Pull out.
9¹⁵	9³⁰		¼	Rig Serv. & Check BOP
9³⁰	11⁰⁰	1	½	Work on Duks.
11⁰⁰	11¹⁵		¼	Slip 22' Drill Line
11¹⁵	12¹²	1		Run in w/Bit # 43
12¹⁵	12³⁰		¼	Circ To Bottom.
12³⁰	4⁰⁰	3	½	Drilling 9" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	X		10.8	10.8
VISC.			102	90
W.L.-C.C.	R		6.2	6.6
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNITHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
55	STANDS DP	5008.52	FT.
1	SNGLS. DP	31.20	FT.
13	D.C. 6¼ OD		FT.
7	6½ OD		FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	30.52	FT.
	TOTAL	5693	FT.
WT OF STRING	106,000		LBS.
DRILLER	Pat Nolan		
WEATHER CONDITIONS			

BIT RECORD: Drilling or Core Bit No. 43; TYPE M4N; SIZE 9"; NOZZ. SIZE 11/16; SERIAL No. 407185; DEPTH IN 5615; DEPTH OUT; FT. DRILLED 78; FT. REAMED; FT. CORED; CUM. HRS. RUN 11¼; CONDITION IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5637	56		5693		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	1
PUMP No. 2	900	6½	54	6¾

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	RIG SERV
4¹⁵	12⁰⁰	7	¾	DRILL 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	63	60	62	60
W.L.-C.C.	7.4	8.0	7.6	7.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
QX	50#		

REPORT No. 41 DATE: Sept 7/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: N W T
DRILL PIPE STRING NO. SIZE: 4 1/2
TOOL JOINT: 6 1/4 OD, TYPE THD. FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Glen Parker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	54.5 H-40	0	998	CONST	900 SAX	2% Ca. Cl

MORNING TOUR

TIME DISTRIBUTION—HOURS	Morn	Day	Eve
DRILLING	7 3/4	5 1/4	6 3/4
TRIPPING		2 1/4	1
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS		1/4	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

NO.	DRILLING ASSEMBLY		
53	STANDS DP	4822.88	FT.
	SNGLS. DP		FT.
19	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	26.36	FT.
	TOTAL	5477.00	FT.
WT OF STRING	103M		LBS.
DRILLER	B. Williams		
WEATHER CONDITIONS	Clear Cold +40		

BIT RECORD	
Drilling or Core Bit No	41
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	31697
DEPTH IN	5383
DEPTH OUT	
FT. DRILLED	94
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	12 1/2
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5424	53		5477	Shale & Limestone	90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	54	7 3/4
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12 00	12 15		1/4	RIG SERV CHECK BOP'S
12 15	8 00	7	3/4	DRIG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	70	75	72	75
W.L.-C.C.	7.2	7.2	7.0	6.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
CAUSTIC	25#		
QX	50#		
CLEANED 1ST HALF OF SHAKER TANK			

DAY TOUR

NO.	DRILLING ASSEMBLY		
53	STANDS DP	4822.88	FT.
1	SNGLS. DP	30.96	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
		32.40	FT.
	Kelly Down		FT.
	TOTAL	5514.00	FT.
WT OF STRING	103,000		LBS.
DRILLER	E. Mill		
WEATHER CONDITIONS	Cold + Rain		

BIT RECORD		
Drilling or Core Bit No.	41	42
TYPE	OWV	MHN
SIZE	9"	9
NOZZ. SIZE	11/16	11/16
SERIAL No.	31697	407186
DEPTH IN	5383	5514
DEPTH OUT	5514	
FT. DRILLED	131	
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	17 3/4	
CONDITION	DULL	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5477	37		5514		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	54	5 1/4
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5514	1 3/4							

From	To	Elapsed Time		REMARKS
8 00	8 15		1/4	RIG SERV. & CHECK B.O.P'S.
8 15	1 30	5	1/4	DRILLING 9" HOLE
1 30	1 45		1/4	SURVEY
1 45	4 00	2	1/4	TRIP FOR BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	/
VISC.	85	65	60	/
W.L.-C.C.	6.6	6.8	7.0	R
FLTR. CK.	2/32	2/32	2/32	I
pH	8.0	8.0	8.0	I
SD. CONT.				P

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	35#		
QX	50#		
SPERSENE	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
54	STANDS DP	4918.00	FT.
	SNGLS. DP	✓	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	33.22	FT.
	TOTAL	5574	FT.
WT OF STRING	103,000		LBS.
DRILLER	R. Nolan		
WEATHER CONDITIONS	CLOUDY COOL		

BIT RECORD	
Drilling or Core Bit No.	42
TYPE	MHN
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	407186
DEPTH IN	5514
DEPTH OUT	
FT. DRILLED	60
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	6 3/4
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5514	60		5574		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	54	6 3/4
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4 00	4 15		1/4	RIG SERV.
4 15	5 15	1		RUN IN W/ BIT # 42
5 15	12 00	6	3/4	DRILL 9" HOLE
				CLEAN #2 Mud Tank

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.8	10.8
VISC.			67	60
W.L.-C.C.			6.8	7.2
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	25#		
TANNATHIN	50#		

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1578
FEET CUT OFF	1600
PRESENT LENGTH	1873
TON MI. or TRIPS SINCE LAST CUT	150
CUMULATIVE TON MI. or TRIPS	2607
NO. OF DAYS FROM SPUD	35
CUMULATIVE ROTATING HRS.	599
DAYS SINCE LAST ACCDNT.	198
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	426
DAY TOUR	326
EVENING TOUR	76

REPORT No. 40
DATE: Sept 6/60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
OPERATOR'S REPRESENTATIVE: J. P. Brown
CONTRACTOR'S TOOL PUSHER: Doug Faber

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: NWT

DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD TYPE THD. FH
DRILL PIPE GRADE: E

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	998	CONST	900 SAX	2% Ca Cl
9⅝	H40					

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5¾	11¼	13¼
TRIPPING		¼	13¼
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	2		1¼
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	6		8
DAYWORK HOURS	2		
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	R
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1578
FEET CUT OFF	1600
PRESENT LENGTH	1873
TON MI. or TRIPS SINCE LAST CUT	50
CUMULATIVE TON MI. or TRIPS	2557
NO. OF DAYS FROM SPUD	35
CUMULATIVE ROTATING HRS.	57 9 1/4
DAYS SINCE LAST ACCDNT.	197
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	425
DAY TOUR	325
EVENING TOUR	75

MORNING TOUR

NO.	DRILLING ASSEMBLY		
51	STANDS DP	4986.25	FT.
2	SNGLS. DP	61.05	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	11.14	FT.
	TOTAL	5340.00	FT.

WT OF STRING 143M LBS.
DRILLER B. Williams
WEATHER CONDITIONS Snowy +34

BIT RECORD

Drilling or Core Bit No.	40B
TYPE	MHL
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	407610
DEPTH IN	5300
DEPTH OUT	
FT. DRILLED	40
FT. REAMED	30-3¾"
FT. CORED	
CUM. HRS. RUN	5¾
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5280	20		5300		90	15
5300	40		5340		90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	54	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
°			°					

From	To	Elapsed Time	REMARKS
1200	1215	¼	RIG SERV
1215	1315	2	REAM 6'18 - 9" RAT HOLE
1315	1800	5 ¾	DRLG 9" HOLE
1800		0	
		11	
		1	

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	68	75	72	66
W.L.-C.C.	7.0	7.2	7.4	7.6
FLTR. CK.	2/32			
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	10 SAX		

DAY TOUR

NO.	DRILLING ASSEMBLY		
52	STANDS DP	4737.23	FT.
	SNGLS. DP		FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	23.01	FT.
	TOTAL	5383.00	FT.

WT OF STRING 104,000 LBS.
DRILLER E. Mill
WEATHER CONDITIONS RAIN + SNOW +38

BIT RECORD

Drilling or Core Bit No.	40-B
TYPE	MHL
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	407610
DEPTH IN	5270
DEPTH OUT	5395
FT. DRILLED	83
FT. REAMED	30-3¾"
FT. CORED	
CUM. HRS. RUN	12
CONDITION	Dull Loose

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5340	43		5383		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	57	6¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5380	1 3/4							

From	To	Elapsed Time	REMARKS
800	815	¼	RIG SERV & CHECK B.O.P's
815	230	6 ¼	DRILLING 9" HOLE
230	245	¼	SURVEY
245	430	1 ¼	POH OUT W/BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	
VISC.	66	75	68	
W.L.-C.C.	7.0	6.4	6.6	
FLTR. CK.	2/32	2/32	2/32	
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
52	STANDS DP	4737.23	FT.
1	SNGLS. DP	29.82	FT.
13	D.C. 6¼ OD	403.41	FT.
7	6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6¼ OD	1.93	FT.
	BIT OR C.B.	60	FT.
			FT.
	Kelly Down	34.19	FT.
	TOTAL	5424	FT.

WT OF STRING 104,000 LBS.
DRILLER R. Holan
WEATHER CONDITIONS CLOUDY COOL +41

BIT RECORD

Drilling or Core Bit No.	41
TYPE	OWU
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	31697
DEPTH IN	5383
DEPTH OUT	
FT. DRILLED	41
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	4¾
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5383	41		5424		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	55	4¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	415	1¼	FINISH OUT
415	430	1¼	RIG SERV CHECK BOP's
430	530	1	CHECK DRLG LINE SLIP 72' CUT 94'
530	700	1 1/2	SER. DC RUNIN LAY DOWN 1 SINGLE
700	715	1¼	REAM 10' TO BOTM
715	1200	4 ¾	DRLG
			CLEAN #1 MUD TANK

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.8	10.8
VISC.			70	67
W.L.-C.C.			6.4	6.8
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000		
CAUSTIC		50#	
TANNATHIN		100#	

REPORT No. 29
DATE: Sept 5/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: NWT
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD TYPE THD. FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. B. Brown
CONTRACTOR'S TOOL PUSHER: Don Cole

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5 H-40	0	498	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Mom	Day	Eve
CORING DRILLING	4¼		
TRIPPING	1¾		
RIG MAINTENANCE	¼	¾ BA	1¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD	½		
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS	1¼		
SUB TOTAL	8		1¼
DAYWORK HOURS	8	8	7¾
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1511
FEET CUT OFF	1506
PRESENT LENGTH	1977
TON MI. or TRIPS SINCE LAST CUT	235
CUMULATIVE TON MI. or TRIPS	2457
NO. OF DAYS FROM SPUD	34
CUMULATIVE ROTATING HRS.	560½
DAYS SINCE LAST ACCDNT.	196
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	424
DAY TOUR	324
EVENING TOUR	714

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
50	STANDS DP	4552.52 FT.	Drilling or Core Bit No.	38-2
	SNGLS. DP	30.58 FT.	TYPE	KOEBEL D
13	D.C. 6¼ OD	403.41 FT.	SIZE	6⅛
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	5270
	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	13.39 FT.	FT. CORED	8
5278	5278	FT.	CUM. HRS. RUN	4¼
WT OF STRING	90.3M LBS.		CONDITION	IN
DRILLER	B. Williams			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5270		8	5278	Shale & Limestone	90	6 to 8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	725	6½	34	4¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1500	1530	½	PULL OUT FOR CORE BBL
1530	1545	¼	RIG SERV CHECK BOP'S
1545	700	1 ¼	PICK UP COREBBL CHANGE SWIVEL & DIAPHRAGM
700	315	1 ¼	RUN IN W/ CORE BBL
315	345	½	CIRC TO CLEAN BIT
345	800	4 ¼	D CORING #2

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.8	10.8
VISC.		T	90	72
W.L.-C.C.		R	7.8	77
FLTR. CK.		I	2/32	2/32
pH		P	8.6	7.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
50	STANDS DP	4552.52 FT.	Drilling or Core Bit No.	38-2
1	SNGLS. DP	30.58 FT.	TYPE	KOEBEL D
13	D.C. 6¼ OD	403.41 FT.	SIZE	6⅛
7	6½ OD	216.82 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	4440
	STB BODY OD	FT.	DEPTH IN	5270
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	59.35 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	21.39 FT.	FT. CORED	26
	TOTAL	5296.00 FT.	CUM. HRS. RUN	12¼
WT OF STRING	103,000 LBS.		CONDITION	IN
DRILLER	C. Mill			
WEATHER CONDITIONS	Cloudy & Cold			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5278		18	5296	Shale & Limestone	90	10/12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	725	6½	34	8
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	400	8 ½	CUTTING D CORE #2

#2 5300 − 5270 = 30 ft
Core 29 ft
recovery

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	70	68	73	70
W.L.-C.C.	6.6	6.6	6.8	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
50	STANDS DP	4552.52 FT.	Drilling or Core Bit No.	38-2	40B
2	SNGLS. DP	61.80 FT.	TYPE	KOEBEL	M4L
13	D.C. 6¼ OD	403.41 FT.	SIZE	6⅛	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE		11/16
	RMR BODY OD	FT.	SERIAL No.	4440	40240
	STB BODY OD	FT.	DEPTH IN	5270	5270
	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	5300	
	BIT OR C.B.	.60 FT.	FT. DRILLED		
		FT.	FT. REAMED		10
	Kelly Down	41.22 FT.	FT. CORED	30	
	TOTAL	5280.23 FT.	CUM. HRS. RUN	14¼	13¼
WT OF STRING	102,000 LBS.		CONDITION	GOOD	IN
DRILLER	Ed Nolan				
WEATHER CONDITIONS	WINDY RAIN & SNOW				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5296		4	5300	Cored 30' Rec. 29'	90	10/12
5270		10	5280	Ream	110	12/15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	725	6½	34	2
	900		57	1¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	600	2	CUTTING CORE #2
600	615	¼	RIG SERV
615	745	1 ½	HOIST CORE BBL
745	900	1 ¼	RECOVER CORE SERV. BBL STAND BACK
900	1015	1 ¼	RUN IN W/ 9" BIT
1015	1200	1 ¾	REAM 6⅛ TO 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8			
VISC.	73			
W.L.-C.C.	7.2			
FLTR. CK.	2/32			
pH	8.5			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SAME			

REPORT No. 38
DATE: SEPT. 4, 60

DAILY DRILLING REPORT

OPERATOR: ATLANTIC OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE: STRING NO. SIZE: 4½
TOOL JOINT: 5 3/4 OD; TYPE THD.: FH
DRILL PIPE GRADE: 2-3
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPARATION No. 1
PROVINCE: N W T
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214D
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 J55	0	958	CONST	900	2 % CaCl

MORNING TOUR

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	1	11 1/4	5 1/2
TRIPPING		2 3/4	
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Circling To Bottom		1/2	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS		1/4	
SUB TOTAL	1 1/4	8	5 3/4
DAYWORK HOURS	6 3/4		2 1/4
TOTAL HOURS	8	8	8

NO.	DRILLING ASSEMBLY		
50	STANDS DP	4552.52	FT.
	SNGLS. DP		FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	22.72	FT.
	TOTAL	5198	FT.
WT OF STRING		103,000	LBS.

DRILLER: Ed Nolan
WEATHER CONDITIONS:

BIT RECORD	
Drilling or Core Bit No.	39
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	29765
DEPTH IN	5168
DEPTH OUT	
FT. DRILLED	7
FT. REAMED	23
FT. CORED	
CUM. HRS. RUN	3 3/4
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5168		23	5191		120	10-12
5191	7		5198		85 100	30-40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	57	3 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	12 45	3/4	HOIST CORE BBL
12 45	2 15	1 1/2	RECOVER CORE - SERV BBL - STAND BACK BBL
2 15	2 30	1/4	RIG SERV CHECK BOP'S
2 30	3 45	1 1/4	RUN IN W/ 9" BIT
3 45	4 15	1/2	BREAK CIRC REAM 20' OOG TO TOP OF RAT HOLE
4 15	7 00	2 3/4	REAM 6 1/8 TO 9" HOLE
7 00	8 00	1	DRILL 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				10.7
VISC.	TRIP			57
W.L.-C.C.				7.4
FLTR. CK.				2/32
pH				8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
50	STANDS DP	4552.52	FT.
1	SNGLS. DP	30.58	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
X	SUBS OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	15.14	FT.
	TOTAL	5223.00	FT.
WT OF STRING		102M	LBS.

DRILLER: B. Williams
WEATHER CONDITIONS: Windy & Cold

BIT RECORD		
Drilling or Core Bit No.	39	40
TYPE	OWV	M4L
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	29765	407610
DEPTH IN	5168	5219
DEPTH OUT	5219	
FT. DRILLED	98	4
FT. REAMED	33	
FT. CORED	23/4 REAMING	
CUM. HRS. RUN	4 1/2	3/4
CONDITION	DULL + OOG	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5198	25		5223	Fissile Shale	100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	57	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 00	8 15	1/4	RIG SERV CHECK BOP'S
8 15	11 45	3 1/2	DRLG 9" HOLE
11 45	1 00	1 1/2	PULL OUT OF HOLE FOR NEW B.T
1 00	1 30	1/4	SKID 22' DRLG LINE
1 30	3 45	1 1/4	RUN IN W NEW B.T
3 45	3 00	1/2	REAM OOG HOLE
3 00	4 00	3/4	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.9	10.7	T	10.8
VISC.	61	64	R	85
W.L.-C.C.	7.6	7.6	I	6.8
FLTR. CK.	2/32	2/32	P	2/32
pH	8.6	8.0		9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		
50	STANDS DP	4552.52	FT.
2	SNGLS. DP	61.80	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	32.92	FT.
	TOTAL	5270.00	FT.
WT OF STRING		103,000	LBS.

DRILLER: E. Mill
WEATHER CONDITIONS: Windy & Cold.

BIT RECORD	
Drilling or Core Bit No.	40
TYPE	M4L
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	407610
DEPTH IN	5219
DEPTH OUT	5270
FT. DRILLED	51
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	6 1/4
CONDITION	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5223	47		5270		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	67	6 1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	4 15	1/4	RIG SERV. & CHECK B.O.P's.
4 15	9 45	5 3/4	Drilling 9" Hole.
9 45	10 45	1	Circ Prior To Coring
10 45	12 00	1	1/4 Pull out To Run Core B.B.L.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	T
VISC.	62	63	58	R
W.L.-C.C.	6.8	6.8	7.0	I
FLTR. CK.	2/32	2/32	2/32	P
pH	8.5	8.5	9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

WIRE LINE RECORD

REEL NO.	2.
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1511
FEET CUT OFF	1506
PRESENT LENGTH	1977
TON MI. or TRIPS SINCE LAST CUT	217
CUMULATIVE TON MI. or TRIPS	2307

NO. OF DAYS FROM SPUD	33
CUMULATIVE ROTATING HRS.	538
DAYS SINCE LAST ACCDNT.	195
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	73
DAY TOUR	423
EVENING TOUR	323

REPORT No. 37

DATE: SEPT 3 - 1960

DAILY DRILLING REPORT

OPERATOR: F. O. C.

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO. 16

DRILL PIPE STRING NO. SIZE 4 1/2

TOOL JOINT 5 3/4 OD TYPE THD. FH

DRILL PIPE GRADE 2-3

OPERATOR'S REPRESENTATIVE: G. R. Brown.

CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	54.5 J. 55	0	998	CONST	900	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING / CORING		1 1/2	
TRIPPING		1 1/2	
RIG MAINTENANCE	1/4	3 3/4	
RIG REPAIRS		3 3/4	
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE		1/2	
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	1/4	11	
DAYWORK HOURS	7 3/4	3 1/4	8
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/4
FEET SLIPPED	1489
FEET CUT OFF	1506
PRESENT LENGTH	1977
TON MI. or TRIPS SINCE LAST CUT	81
CUMULATIVE TON MI. or TRIPS	2090

NO. OF DAYS FROM SPUD	32
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	194
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	72
DAY TOUR	422
EVENING TOUR	322

MORNING TOUR

DRILLING ASSEMBLY

NO.			
49	STANDS DP	4460.58	FT.
2	SNGLS. DP	60.43	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/2 OD	1.93	FT.
	BIT OR C.B.		FT.
MAG & I.S.		4.86	FT.
	Kelly Down	19.00	FT.
	TOTAL	5168	FT.
WT OF STRING		103,000	LBS.
DRILLER	H. Nolan		
WEATHER CONDITIONS			

BIT RECORD

Drilling or Core Bit No	38
TYPE	D
SIZE	6 1/8
NOZZ. SIZE	
SERIAL No.	4440.
DEPTH IN	5166
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5158						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

From	To	Elapsed Time		REMARKS
12 00	12 15		1/4	RIG SERV.
12 15	1 15	1		PULL OUT (SLM) Measure out 5168.37
1 15	1 45		1/2	MAKE UP MAGNET & I SUB DRESS 1 D.C. Pipe Tally - 5168.00 Diff. .37
1 45	3 00	1	1/4	RUN IN W/ MAGNET & JUNK SUB
3 00	4 00	1		CIRC & PUMP 3 BBL TO BOTM WORK MAG & JUNK SUB
4 00	5 30	1	1/2	PULL OUT
5 30	5 45		1/4	CLEAN MAGNET & JUNK SUB.
5 45	8 00	2	1/4	PICK UP & MAKE UP CORE BBL

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY

NO.			
49	STANDS DP	4461.25	FT.
	SNGLS. DP		FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS OD	1.93	FT.
	BIT OR C.B.	59.35	FT.
JARS		7.00	FT.
	Kelly Down	21.24	FT.
	TOTAL	5171.00	FT.
WT OF STRING		103M	LBS.
DRILLER	B. Williams		
WEATHER CONDITIONS	Clear & Cool		

BIT RECORD

Drilling or Core Bit No.	38-1
TYPE	D
SIZE	6 1/8
NOZZ. SIZE	
SERIAL No.	4440
DEPTH IN	5168
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	3
CUM. HRS. RUN	1 1/2
CONDITION	1K

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5168		3	5171		70	4-6
					85	6

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	775	6 1/2	34	1 1/2
PUMP No. 2				

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

From	To	Elapsed Time		REMARKS
8 00	8 15		1/4	RIG SERV CHECK BOP'S
8 15	13 00	3	2 1/4	WORK ON DRUM IN DWKS
12 00	12 30		1/2	SLIP & CUT DRLG LINE SLIP 44' CUT 62'
12 30	2 00	1	1/2	RUN IN W/ CORE BBL
2 00	2 30		1/2	CIRC PRIOR TO CORING
2 30	4 00	1	1/2	D CORING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				10-8
VISC.				90
W.L.-C.C.				6.6
FLTR. CK.				3 32
pH				8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25 LB		
TANNATHYN	50 LB		

EVENING TOUR

DRILLING ASSEMBLY

NO.			
49	STANDS DP	4461.25	FT.
	SNGLS. DP		FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	59.35	FT.
JARS		7.03	FT.
	Kelly Down	41.21	FT.
	TOTAL	5191.00	FT.
WT OF STRING		103,000	LBS.
DRILLER	L. Drill		
WEATHER CONDITIONS	Cloudy & Cool		

BIT RECORD

Drilling or Core Bit No.	38-1
TYPE	D
SIZE	6 1/8
NOZZ. SIZE	[illegible]
SERIAL No.	4440
DEPTH IN	5168
DEPTH OUT	5191
FT. DRILLED	
FT. REAMED	
FT. CORED	23
CUM. HRS. RUN	8 1/2
CONDITION	

Depth At Beginning of Tour	Drilled This Tour	Cored This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5171		20	5191	CORED 23'	90	8-10
				REC. 23'		

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	775	6 1/2	34	7
PUMP No. 2				

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

From	To	Elapsed Time		REMARKS
4 00	11 00	7	00	CUTTING D CORE #1
11 00	12 00	1		BREAK CORE & POH OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	
VISC.	82	75	72	
W.L.-C.C.	6.6	7.4	7.0	
FLTR. CK.	3/32	3/32	3/32	
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	2.5 LB		
P.X.	50 LB		

REPORT No. 36

DATE: SEPT 2

DAILY DRILLING REPORT

OPERATOR: R.O.C.

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: PT. SEPARATION NWT No. 1

PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO. 16

DRILL PIPE STRING NO. SIZE 4½ TOOL JOINT 5 3/4 OD TYPE THD. F/H

DRILL PIPE GRADE 2-3

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 J55	0	998	CONST	900	2% CACL

OPERATOR'S REPRESENTATIVE: J. R. Brown

CONTRACTOR'S TOOL PUSHER: Doug Lobe

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	3	6 1/4	4 3/4
TRIPPING	3½		1
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS		1½	
HOLE SURVEYS	1/4		
CONDITIONING MUD		3/4	1
CONDITIONING HOLE		3/4	1
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1455
FEET CUT OFF	1444
PRESENT LENGTH	20.39
TON MI. or TRIPS SINCE LAST CUT	81
CUMULATIVE TON MI. or TRIPS	2009
NO. OF DAYS FROM SPUD	31
CUMULATIVE ROTATING HRS.	525 3/4
DAYS SINCE LAST ACCDNT.	193
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	7
DAY TOUR	4
EVENING TOUR	3

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
48	STANDS DP	4430.0 FT.	Drilling or Core Bit No.	36	37
	SNGLS. DP	FT.	TYPE	M4N	M4N
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	9"
1	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	435896	U35599
	STB BODY OD	FT.	DEPTH IN	4884	5086
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT	5086	
	BIT OR C.B.	.60 FT.	FT. DRILLED	202	3
		FT.	FT. REAMED		
	Kelly Down	34.30 FT.	FT. CORED		
	TOTAL	5089 FT.	CUM. HRS. RUN	23	1½
WT OF STRING	102,000 LBS.		CONDITION	Loose	NEW

DRILLER: L. Horan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5063	26		5089		100	40
					75	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	58	3
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5085	7/8							

From	To	Elapsed Time	REMARKS
12:00	2:30	2½	DRILL 9" HOLE.
2:30	2:45	1/4	SURVEY
2:45	3:00	1/4	RIG SERV. REP. AIR RELEASE VALVE TO ROTARY CLUTCH
3:00	5:00	2	PULL OUT LAY DOWN 5 SIN'S.
5:00	6:00	1	Slip & cut line 80' CUT 68
6:00	7:30	1½	Pick up 5 singles & run in
7:30	8:00	1/2	Drill

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8			
VISC.	62			
W.L.-C.C.	7.8			
FLTR. CK.	2/32			
pH	8.5			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
48	STANDS DP	4460.58 FT.	Drilling or Core Bit No.	37	
5	SNGLS. DP	30.25 FT.	TYPE	M4N	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"	
1	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	435599	
	STB BODY OD	FT.	DEPTH IN	5086	
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	63	
		FT.	FT. REAMED		
	Kelly Down	35.41 FT.	FT. CORED		
	TOTAL	5149.00 FT.	CUM. HRS. RUN	6 3/4	
WT OF STRING	102M LBS.		CONDITION	IN	

DRILLER: B. Williams

WEATHER CONDITIONS: Clear & Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5089	60		5149		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	58	6¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:45	1/4	RIG SERV CHECK BOP'S
8:45	12:30	4	1/4 DRLG 9" HOLE
12:30	2:00	1	1/2 REPAIR ROTARY CHAIN & INTERMEDIATE CHAIN
2:00	4:00	2	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	77	73	67	64
W.L.-C.C.	7.4	7.4	7.2	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.4	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500 #		
CAUSTIC	50 #		
QX	100 #		

CLEANED SEDIMENT TANK

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
49	STANDS DP	4460.58 FT.	Drilling or Core Bit No.	37	
2	SNGLS. DP	60.43 FT.	TYPE	M4N	
13	D.C. 6¼ OD	403.41 FT.	SIZE	9	
1	6½ OD	216.82 FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	435599	
	STB BODY OD	FT.	DEPTH IN	5086	
1	SUBS 6½ OD	1.93 FT.	DEPTH OUT	5168	
	BIT OR C.B.	.60 FT.	FT. DRILLED	82	
		FT.	FT. REAMED		
	Kelly Down	24.23 FT.	FT. CORED		
	TOTAL	5168.00 FT.	CUM. HRS. RUN	11½	
WT OF STRING	104,000 LBS.		CONDITION	ADJSTING	

DRILLER: E. Mill

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5149	19		5168		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	60	6½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:15	1/4	RIG SERV. & CHECK BOP'S
4:15	4:30	1/4	DRILLING 9" HOLE
4:30	5:30	1	MIX MUD FOR LOSS CIRC.
5:30	10:00	4	1/2 DRILLING 9" HOLE.
10:00	11:00	1	CIRC PRIOR TO RUNNING J. SUB & MAGNET.
11:00	12:00	1	PULL OUT TO RUN J SUB & MAGNET MEASURE PIPE.

LOST 150 BBLS OF MUD TO FORMATION @ 5151'

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.6	X
VISC.	62	60	55	R
W.L.-C.C.	7.2	7.2	8.4	
FLTR. CK.	2/32	2/32	2/32	P
pH	8.0	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4500 #		
IMMUNITHIN	100 #		
CAUSTIC	75 #		
SAWDUST	30 SAX		
QX	50 #		
DRISCOSE	50 #		

REPORT No. 35

DATE: 8 SEPT 1, 60

DAILY DRILLING REPORT

OPERATOR: P.O.C.

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE: H 2 1/2

TOOL JOINT: 5 3/4 OD TYPE THD. F.H

DRILL PIPE GRADE: 2-3

OPERATOR'S REPRESENTATIVE: J. B. Brown

CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	54.5 J55	0	998	CONST	900	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	5	7 3/4	7 3/4
TRIPPING	2		
RIG MAINTENANCE	3/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1/4		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.: 2

NO. OF LINES: 6 SIZE: 1 1/8

FEET SLIPPED: 1375

FEET CUT OFF: 1376

PRESENT LENGTH: 2107

TON MI. or TRIPS SINCE LAST CUT: 338

CUMULATIVE TON MI. or TRIPS: 1928

NO. OF DAYS FROM SPUD: 30

CUMULATIVE ROTATING HRS.: 511 3/4

DAYS SINCE LAST ACCDNT.: 192

DRILLER ACCDNT. FREE DAYS

MORNING TOUR: 70

DAY TOUR: 420

EVENING TOUR: 320

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
47	STANDS DP	4272.42 FT.	Drilling or Core Bit No.	36
	SNGLS. DP	FT.	TYPE	M4N
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	435596
	STB BODY OD	FT.	DEPTH IN	4884
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	49
		FT.	FT. REAMED	
	Kelly Down	3782 FT.	FT. CORED	
	TOTAL	4933 FT.	CUM. HRS. RUN	5
WT OF STRING		102,000 LBS.	CONDITION	IN

DRILLER: A. Nolan

WEATHER CONDITIONS: CLOUDY

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4884	49		4934		85 100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	5
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:30	1/2	FINISH OUT W/ BIT #35
12:30	12:45	1/4	RIG SERV CHECK BOP'S
12:45	1:15	1/2	SLIP 22' DRLG LINE ADJUST BRAKES
1:15	2:45	1 1/2	RUN IN W/ BIT # 36
2:45	3:00	1/4	CLEAN OUT TO BOTM
3:00	8:00	5	DRILL 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	TRIP		10.8	10.8
VISC.			80	63
W.L.-C.C.			9.0	9.2
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
47	STANDS DP	4272.42 FT.	Drilling or Core Bit No.	36
	SNGLS. DP	FT.	TYPE	M4N
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	435596
	STB BODY OD	FT.	DEPTH IN	4884
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	113
		FT.	FT. REAMED	
	Kelly Down	40.25 FT.	FT. CORED	
	TOTAL	4997.00 FT.	CUM. HRS. RUN	12 3/4
WT OF STRING		102M LBS.	CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4934	63		4997	Shale	100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	1/4	RIG SERV & CHECK BOP'S
8:15	4:00	7 3/4	DRLG 9" HOLE
			Checked Brakes & Drlg Line
			Dlsl

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	65	68	68	75
W.L.-C.C.	9.2	8.0	7.4	6.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	7.2	8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
DRISPAC	50#		
CAUSTIC	50#		
TANNATHIN	100#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
48	STANDS DP	4364.25 FT.	Drilling or Core Bit No.	36
2	SNGLS. DP	61.69 FT.	TYPE	M4N
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	435596
	STB BODY OD	FT.	DEPTH IN	4884
1	SUBS 6 1/4 OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	179
		FT.	FT. REAMED	
	Kelly Down	14.30 FT.	FT. CORED	
	TOTAL	5063.00 FT.	CUM. HRS. RUN	20 1/2
WT OF STRING		102,000 LBS.	CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: CLEAR & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4997	66		5063		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:15	1/4	RIG SERV & CHECK B.O.P's
4:15	12:00	7 3/4	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	73	75	68	60
W.L.-C.C.	7.2	7.4	8.0	7.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	9.0	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 34

DATE: AUG. 31 - 60

DAILY DRILLING REPORT

OPERATOR: POC

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE: 4½

TOOL JOINT: 5 3/4 OD

TYPE THD.: FH

DRILL PIPE GRADE: 2-3

OPERATOR'S REPRESENTATIVE: G. R. Brown.

CONTRACTOR'S TOOL PUSHER: Doug Lake

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5 J55	0	993	CONST	900	2% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	3/4	4½	6
TRIPPING		2½	1
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			3/4
HOLE SURVEYS		1/4	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1/4	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS		1/4	
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1853
FEET CUT OFF	1376
PRESENT LENGTH	2107
TON MI. or TRIPS SINCE LAST CUT	257
CUMULATIVE TON MI. or TRIPS	1847
NO. OF DAYS FROM SPUD	29
CUMULATIVE ROTATING HRS.	491¼
DAYS SINCE LAST ACCDNT.	191
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	69
DAY TOUR	419
EVENING TOUR	319

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
45	STANDS DP	4090.76 FT.	Drilling or Core Bit No.	34
2	SNGLS. DP	59.10 FT.	TYPE	OWV
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	31701
	STB BODY OD	FT.	DEPTH IN	4633
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	181
		FT.	FT. REAMED	
	Kelly Down	41.22 FT.	FT. CORED	
	TOTAL	4814 FT.	CUM. HRS. RUN	21½
WT OF STRING		100,000 LBS.	CONDITION	IN

DRILLER: B. Nolan

WEATHER CONDITIONS: Cloudy, Cool.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4751	63		4814		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	60	7¾
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00	12 15	1/4	RIG SERV
12 15	8 00	7 3/4	DRILL 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	63	75	87	73
W.L.-C.C.	8.4	8.6	8.2	8.2
FLTR. CK.	2/32	2/32	2/32	8.2
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
46	STANDS DP	4180.37 FT.	Drilling or Core Bit No.	35
	SNGLS. DP	30.58 FT.	TYPE	OSC
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	H.90 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	30927
	STB BODY OD	FT.	DEPTH IN	4814
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	34
		FT.	FT. REAMED	
	Kelly Down	14.29 FT.	FT. CORED	
	TOTAL	4848.00 FT.	CUM. HRS. RUN	4½
WT OF STRING		101M LBS.	CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Cool & Clear

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4814	34		4848	Shale	130	30
					90	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6½	60	4½
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4814	7/8°							

From	To	Elapsed Time	REMARKS
8 00	8 15	1/4	SURVEY
8 15	9 30	1 1/4	PULL OUT OF HOLE
9 30	9 45	1/4	RIG SERV CHECK BOP'S
9 45	10 15	1/2	RUN IN DC'S
10 15	10 30	1/4	PICK UP A-LEG ON DERRICK
10 30	11 15	3/4	RUN IN W/ BIT
11 15	11 30	1/4	CLEAN TO BOTTOM
11 30	12 00	4 1/2	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		T	10.8	10.8
VISC.		R	80	68
W.L.-C.C.		I	8.0	8.0
FLTR. CK.		P	3/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
46	STANDS DP	4210.95 FT.	Drilling or Core Bit No.	35
1	SNGLS. DP	30.46 FT.	TYPE	OSC
13	D.C. 6¼ OD	403.41 FT.	SIZE	9"
7	6½ OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	30927
	STB BODY OD	FT.	DEPTH IN	4814
1	SUBS 6¼ OD	1.93 FT.	DEPTH OUT	4884
	BIT OR C.B.	FT.	FT. DRILLED	70
		FT.	FT. REAMED	
	Kelly Down	19.43 FT.	FT. CORED	
	TOTAL	4884.00 FT.	CUM. HRS. RUN	10½
WT OF STRING		102,000 LBS.	CONDITION	Dull

DRILLER: E. Mill

WEATHER CONDITIONS: Clear & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4848	36		4884		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	60	6
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	4 15	1/4	RIG SERV. & CHECK B.O.P.'S
4 15	10 15	6	DRILLING 9" HOLE
10 15	11 00	3/4	INSTAL NEW TURN BUCKLES ON BRAKES.
11 00	12 00	1	TOH OOT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	T
VISC.	62	67	68	I
W.L.-C.C.	8.6	8.4	8.2	R
FLTR. CK.	2/32	2/32	2/32	P
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 33

DATE: AUG 30, 60

DAILY DRILLING REPORT

OPERATOR: ROC

CONTRACTOR: PETER BAWDEN DRILLING LIMITED — RIG NO. 16

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION — No. 1 — PROVINCE: N W T

DRILL PIPE STRING NO. SIZE — TOOL JOINT 5 3/4 OD — TYPE THD. F11 — DRILL PIPE GRADE 2-3

OPERATOR'S REPRESENTATIVE: J. R. Brown

CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5	0	998	CONSL	900	2% CaCl
	J55					

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	5 1/4	6	7 3/4
TRIPPING	2	1	
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS	1/2	1/2	
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1/4	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2

NO. OF LINES 6 — SIZE 1 1/8

FEET SLIPPED 1353

FEET CUT OFF 1376

PRESENT LENGTH 2107

TON MI. or TRIPS SINCE LAST CUT 180

CUMULATIVE TON MI. or TRIPS 1770

NO. OF DAYS FROM SPUD 28

CUMULATIVE ROTATING HRS. 473

DAYS SINCE LAST ACCDNT. 190

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 68

DAY TOUR 418

EVENING TOUR 318

MORNING TOUR

NO.	DRILLING ASSEMBLY		
43	STANDS DP	3907.20	FT.
2	SNGLS. DP	61.72	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	41 2.2	FT.
	TOTAL	4633	FT.
WT OF STRING		98,000	LBS.

DRILLER: H. Nolan

WEATHER CONDITIONS: Cloudy & Cool

BIT RECORD

Drilling or Core Bit No	33
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	21935
DEPTH IN	4496
DEPTH OUT	
FT. DRILLED	137
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	17 1/4
CONDITION	Dull Rose

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4594	39		4633		95	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	15 1/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:15		1/4	RIG SERV
12:15	5:30	5	1/4	DRILL 9" HOLE
5:30	6:00		1/2	Rep. Chain on Drawbo
6:00	8:00	2		Tripping

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	
VISC.	55	63	72	
W.L.-C.C.	7.6	7.6	8.0	
FLTR. CK.	2/32	2/32	2/32	
pH	8.0	8.0	8.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		

DAY TOUR

NO.	DRILLING ASSEMBLY		
44	STANDS DP	3999.78	FT.
1	SNGLS. DP	30.74	FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down	29.72	FT.
	TOTAL	4683.00	FT.
WT OF STRING		100M	LBS.

DRILLER: B. Williams

WEATHER CONDITIONS: Warm & Nice

BIT RECORD

Drilling or Core Bit No.	34
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	31701
DEPTH IN	4633
DEPTH OUT	
FT. DRILLED	50
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	6
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4633	50		4683		85	35
					92	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:15		1/4	RIG SERV CHECK BOP'S
8:15	9:15	1		RUN IN W/ BIT
9:15	9:30		1/4	CLEAN TO BOTTOM
9:30	2:30	5		DRLG 9" HOLE
2:30	3:00		1/2	TIGHTEN PILLOW BLOCK BEARING IN DR. HS
3:00	4:00	1		DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T	10.4	10.6	10.8
VISC.	R	95	95	73
W.L.-C.C.	1	7.6	7.8	8.0
FLTR. CK.	P	2/32	2/32	2/32
pH		8.0	7.6	7.6
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CLEAN SHAKER TANK			

EVENING TOUR

NO.	DRILLING ASSEMBLY		
45	STANDS DP	4090.76	FT.
	SNGLS. DP		FT.
13	D.C. 6 1/4 OD	403.41	FT.
7	6 1/2 OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6 1/4 OD	1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	37.48	FT.
	TOTAL	4751.00	FT.
WT OF STRING		100,000	LBS.

DRILLER: E. Miller

WEATHER CONDITIONS: Cloudy & Cold

BIT RECORD

Drilling or Core Bit No.	34
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	31701
DEPTH IN	4633
DEPTH OUT	
FT. DRILLED	118
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	13 3/4
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4683	68		4751		100	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	7 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4:00	4:15		1/4	Rig Serv. & Check B.O.P's
4:15	12:00	7	3/4	Drilling 9" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	45	52	54	58
W.L.-C.C.	8.2	8.4	8.8	9.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	7.6	7.6	7.6	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
Tannathin	100#		
Caustic	50#		

REPORT No. 32

DATE: AUG. 29, 60

DAILY DRILLING REPORT

OPERATOR: R. O. C.

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE: TOOL JOINT 5 3/4 OD; TYPE THD. FH

DRILL PIPE GRADE: 2-3

OPERATOR'S REPRESENTATIVE: J. R. Brown.

CONTRACTOR'S TOOL PUSHER: K. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 J55	0	498	CONST	900 SX	2% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6 3/4	4	7 3/4
TRIPPING	3/4	3 1/2	
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS	1/4		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1/4	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1353
FEET CUT OFF	1376
PRESENT LENGTH	2107
TON MI. or TRIPS SINCE LAST CUT	94
CUMULATIVE TON MI. or TRIPS	1684
NO. OF DAYS FROM SPUD	27
CUMULATIVE ROTATING HRS.	454
DAYS SINCE LAST ACCDNT.	189
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	417
DAY TOUR	67
EVENING TOUR	317

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
42	STANDS DP	3813.15 FT.	Drilling or Core Bit No.	32
1	SNGLS. DP	3055 FT.	TYPE	OWU
13	D.C. 1F6 6 1/4 OD	403.41 FT.	SIZE	9"
7	H90 6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	29737
	STB BODY OD	FT.	DEPTH IN	4358
1	SUBS OD	19.3 FT.	DEPTH OUT	4496
	BIT OR C.B.	.60 FT.	FT. DRILLED	138
		FT.	FT. REAMED	
	Kelly Down	2954 FT.	FT. CORED	
	TOTAL	4496 FT.	CUM. HRS. RUN	17
WT OF STRING		96,000 LBS.	CONDITION	Dull

DRILLER: K. Nielsen

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4446	50		4496		95	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	4
PUMP No. 2	900	6 1/2	61	2 3/4

DEVIATION RECORD: DEPTH 4495 DEV. 3/4° DIRECTION

From	To	Elapsed Time		REMARKS
1200	1215		1/4	RIG SERV
1215	700	6	3/4	DRILL 9" HOLE
700	715		1/4	SURVEY
715	800		3/4	MEASURE OUT W/ BIT #32

MUD RECORD

	1st HR.	3rd HR.	5th HR.	7th HR.
TIME				
WEIGHT	10.8	10.8		
VISC.	70	80		
W.L.-C.C.	7.6	7.4		
FLTR. CK.	2/32	2/32		
pH	8.0	8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	33
	SNGLS. DP	FT.	TYPE	OWV
13	D.C. 1F6 6 1/4	403.41 FT.	SIZE	9"
7	H90 6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	21935
	STB BODY OD	FT.	DEPTH IN	4496
1	SUBS Kelly OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	36
		FT.	FT. REAMED	
	Kelly Down	32.79 FT.	FT. CORED	
	TOTAL	4532.00 FT.	CUM. HRS. RUN	4
WT OF STRING		98M LBS.	CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Rainy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4496	36		4532		95	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	4 1/4
PUMP No. 2				

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
800	915	1	1/4	MEASURE OUT OF HOLE
915	930		1/4	RIG SERV CHECK BOP'S
930	1143	2	1/4	RUN IN W/BIT & LAY DOWN BENT 3 SINGLES & PICK UP STRAIGHT ONES
1143	1200		1/4	CLEAN TO BOTTOM
1200	4PM	4		DRLG 9" HOLE

MUD RECORD

	1st HR.	3rd HR.	5th HR.	7th HR.
TIME				
WEIGHT			10.8	10.8
VISC.			83	72
W.L.-C.C.			7.6	7.6
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
43	STANDS DP	3907.20 FT.	Drilling or Core Bit No.	33
1	SNGLS. DP	31.04 FT.	TYPE	OWV
13	D.C. 6 1/4 OD	403.41 FT.	SIZE	9"
7	H90 6 1/2 OD	216.82 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	21935
	STB BODY OD	FT.	DEPTH IN	4496
	SUBS OD	1.93 FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	98
		FT.	FT. REAMED	
	Kelly Down	33.00 FT.	FT. CORED	
	TOTAL	4594.00 FT.	CUM. HRS. RUN	11 3/4
WT OF STRING		98,000 LBS.	CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: RAIN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4532	62		4594		95	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6 1/2	60	6 3/4
PUMP No. 2	825	6 1/2	61	3

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
4PM	413		1/4	RIG SERV & CHECK B.O.P'S
413	1200	7	3/4	DRILLING 9" HOLE

MUD RECORD

	1st HR.	3rd HR.	5th HR.	7th HR.
TIME				
WEIGHT	10.8	10.8	10.8	10.8
VISC.	72	68	58	65
W.L.-C.C.	7.6	7.8	8.0	8.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNITHIN	50#		
GEL	1000#		

REPORT No. 31

DATE: AUG 28, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W4 | WELL NAME: POINT SEPERATION No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 5¾ OD TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5	0	998	CONST	900 SKS	2% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	1¾	21½	23¾
TRIPPING	1	2	
RIG MAINTENANCE	¼	1¼	1¼
RIG REPAIRS		1¾	
HOLE SURVEYS	¼		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS	4¾		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1353
FEET CUT OFF	1376
PRESENT LENGTH	2107
TON MI. or TRIPS SINCE LAST CUT	30
CUMULATIVE TON MI. or TRIPS	1680
NO. OF DAYS FROM SPUD	26
CUMULATIVE ROTATING HRS.	435½
DAYS SINCE LAST ACCDNT.	188
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	316
DAY TOUR	66
EVENING TOUR	416

MORNING TOUR

NO.	DRILLING ASSEMBLY		FT.
43	STANDS DP	3704.04	FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
14	6½ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	19.45	FT.
	TOTAL	4358.00	FT.
WT OF STRING		82,000	LBS.
DRILLER	E. Mill		
WEATHER CONDITIONS	CLEAR & Cool		

BIT RECORD		
Drilling or Core Bit No	31	32
TYPE	M4N	OWV
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	367450	29737
DEPTH IN	4223	4358
DEPTH OUT	4358	
FT. DRILLED	135	
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	16¼	
CONDITION	DULL LOOSE	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4343	15		4358		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6½	60	1¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4358	¾							

From	To	Elapsed Time		REMARKS
12[00]	12[15]		¼	RIG SERVICE + CHECK B.O.P.
12[15]	2[00]	1	¾	DRILLING 9" HOLE.
2[00]	2[15]		¼	SURVEY.
2[15]	3[15]	1		PULL OUT W/BIT
3[15]	4[00]		¾	PICK UP COLLARS.
4[00]	8[00]	4		CHANGE BRAKE BLOCKS + CUT 44' DRILL LINE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	T		
VISC.	67			
W.L.-C.C.	7.4	R		
FLTR. CK.	2/32			
pH	8.5			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		FT.
41	STANDS DP	3721.47	FT.
	SNGLS. DP		FT.
13	H.W. 6¼ OD	403.41	FT.
7	H.W. 6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6" OD	IFX H90 1.93	FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	32.77	FT.
	TOTAL	4377	FT.
WT OF STRING		94,000	LBS.
DRILLER	R. Nolan		
WEATHER CONDITIONS	SUNNY & MILD.		

BIT RECORD	
Drilling or Core Bit No.	32
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	29737
DEPTH IN	4358
DEPTH OUT	
FT. DRILLED	19
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	2½
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4358	19		4377		90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	60	2½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8[00]	8[15]		¼	RIG SERV. CHECK BOP'S
8[15]	10[00]	1	¾	FINISH INSTALLING + ADJUSTING BRAKE
				SLIP 70' DRILLLINE CUT 45' DRLG LINE
10[00]	10[30]		½	REPAIR LINE SPOOLER
10[30]	12[30]	2		RUN IN W/ BIT #32 LAY DOWN 6 BENT SIN.
				ADJUSTING BRAKES ON WAY IN
12[30]	1[30]	1		PICK UP 6 SINGLES CIRC + CLEAN TO BOTM
1[30]	4[00]	2	½	DRILL 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				10.8
VISC.	TRIPPING			75
W.L.-C.C.				7.4
FLTR. CK.				2/32
pH				8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		FT.
41	STANDS DP	3721.47	FT.
2	SNGLS. DP	61.18	FT.
13	H.W. 6¼ OD	403.41	FT.
7	H.W. 6½ OD	216.82	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
1	SUBS 6" OD	IFX H90	FT.
	BIT OR C.B.	1.93	FT.
	Bit	.60	FT.
	Kelly Down	40.59	FT.
	TOTAL	4446.00	FT.
WT OF STRING		96M	LBS.
DRILLER	D. Gaffney		
WEATHER CONDITIONS	Clear + Warm		

BIT RECORD	
Drilling or Core Bit No.	32
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	29737
DEPTH IN	4358
DEPTH OUT	H
FT. DRILLED	88
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	10¼
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4377	69		4446		90 / 95	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	900	6½	60	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4[00]	4[15]		¼	RIG SERV CHECK BOP'S
4[15]	12[00]	7	¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	65	60	62	65
W.L.-C.C.	7.6	7.8	8.0	8.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	7.6	7.6	7.6
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000 LB		
CAUSTIC	50 LB		
QX	50 LB		
CLEAN SECOND TANK			

REPORT No. 30 DATE: AUG. 27, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 5¾ OD, TYPE THD. F.H. | DRILL PIPE GRADE E.

OPERATOR'S REPRESENTATIVE: J. P. Brown. | CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5	0	998	Const	900 sax	2% CaCl2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5	7¾	6½
TRIPPING	1¾		
RIG MAINTENANCE	¾	1¼	1¼
RIG REPAIRS			1½
HOLE SURVEYS	¼		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1283
FEET CUT OFF	1286
PRESENT LENGTH	2197
TON MI. or TRIPS SINCE LAST CUT	415
CUMULATIVE TON MI. or TRIPS	1501
NO. OF DAYS FROM SPUD	25
CUMULATIVE ROTATING HRS.	423½
DAYS SINCE LAST ACCDNT.	187
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	315
DAY TOUR	65
EVENING TOUR	415

MORNING TOUR

NO.	DRILLING ASSEMBLY		
41	STANDS DP	3724.29	FT.
1	SNGLS. DP	31.37	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	36.83	FT.
	TOTAL	4227.00	FT.
WT OF STRING		82,000	LBS.
DRILLER	E. Mill		
WEATHER CONDITIONS	Clear & Cool +30°		

BIT RECORD		
Drilling or Core Bit No	30	31
TYPE	OWV	M4N
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	304453	367450
DEPTH IN	4091	4223
DEPTH OUT	4223	
FT. DRILLED	132	4
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	15¾	½
CONDITION	DULL 1003E	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4189	38		4227		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	60	5¼
PUMP No. 2		6½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4223	1°							

From	To	Elapsed Time		REMARKS
12	12¼		¼	Rig Serv. & Check B.O.P.
12¼	4¾	4	½	Drilling 9" Hole
4¾	5		¼	Survey
5	6	1		Pull out w/Bit.
6	6½		½	Service & Dress & Mark D.C's.
6½	7½		¾	Run in w/Bit #31
7½	7½		¼	Clean Out To Bottom.
7½	8½		½	Drilling 9" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8		
VISC.	65	63		
W.L.-C.C.	7.0	7.4		
FLTR. CK.	4/32	4/32		
pH	8.0	8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
42	STANDS DP	3815.89	FT.
	SNGLS. DP	✓	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	60	FT.
			FT.
	Kelly Down	40.60	FT.
	TOTAL	4291	FT.
WT OF STRING		84,000	LBS.
DRILLER	H. Holan		
WEATHER CONDITIONS	Sunny & Mild		

BIT RECORD	
Drilling or Core Bit No.	31
TYPE	M4N
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	367450
DEPTH IN	4223
DEPTH OUT	
FT. DRILLED	68
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	8½
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4227	64		4291		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6½	60	4
PUMP No. 2	950	6½	62	3¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8	8½		¼	Rig Serv & Check BOP's
8½	4	7	¾	Drill 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	123	75	63	60
W.L.-C.C.	7.2	7.2	7.6	8.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	7.6	7.6
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSIC	25#		
Q X	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
42	STANDS DP	3815.89	FT.
2	SNGLS. DP	59.52	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	33.08	FT.
	TOTAL	4343.00	FT.
WT OF STRING		82M	LBS.
DRILLER	B. Williams		
WEATHER CONDITIONS	Clear & Warm		

BIT RECORD	
Drilling or Core Bit No.	31
TYPE	M4N
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	367450
DEPTH IN	4223
DEPTH OUT	
FT. DRILLED	120
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	14½
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4291	52		4343		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6½	60	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4	4½		¼	Rig Serv Check BOP's
4½	5:30	1	¼	Drlg 9" Hole
5:30	7	1	½	Fix Intermediate Chain & Oil Line
7	12	5		Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	70	67	65	67
W.L.-C.C.	7.6	7.8	8.0	8.0
FLTR. CK.	2	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	800#		

REPORT No. 29 DATE: Aug 26, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 5¾ OD, TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: G. R. Brown. | CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	998	CONST.	900 SKS	2% CaCl₂

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7¾	5	7 Mid
TRIPPING		17¼	
RIG MAINTENANCE	¼	1	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	24	

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1283
FEET CUT OFF	1286
PRESENT LENGTH	2197
TON MI. or TRIPS SINCE LAST CUT	399
CUMULATIVE TON MI. or TRIPS	1445
NO. OF DAYS FROM SPUD	24
CUMULATIVE RT ATING HRS.	404½
DAYS SINCE LAST ACCDNT.	186
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	314
DAY TOUR	64
EVENING TOUR	414

MORNING TOUR

NO.	DRILLING ASSEMBLY		
40	STANDS DP	3632.66	FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	12.83	FT.
	TOTAL	4080.00	FT.
WT OF STRING		80,000	LBS.

BIT RECORD

Drilling or Core Bit No	29
TYPE	M4N
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	446247
DEPTH IN	3973
DEPTH OUT	
FT. DRILLED	107
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	14½
CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Cold, WINDY + RAIN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4030	50		4080		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	60	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	RIG SERV. + CHECK B.O.P.
12¹⁵	8⁰⁰	7 ¾	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	77	85	83	78
W.L.-C.C.	7.0	7.2	7.6	7.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Q.X.	50#		
CAUSTIC	25#		

DAY TOUR

NO.	DRILLING ASSEMBLY		
40	STANDS DP	3632.66	FT.
1	SNGLS. DP	30.18	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	28.65	FT.
	TOTAL	4126	FT.
WT OF STRING		82,000	LBS.

BIT RECORD

Drilling or Core Bit No.	29	30
TYPE	M4N	OWV
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	446247	30445
DEPTH IN	3973	4091
DEPTH OUT	4091	
FT. DRILLED	118	35
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	16	3½
CONDITION	LOOSE DULL	IN

DRILLER: R. Nolan

WEATHER CONDITIONS: Sunny & Milder

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4080	46		4126		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6½	60	5
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3970	3/4							

From	To	Elapsed Time	REMARKS
8⁰⁰	9³⁰	1 ½	DRLG
9³⁰	10³⁰	1	HOIST IN W/ BIT #29
10³⁰	10⁴⁵	¼	RIG SERV CHECK BOP'S
10⁴⁵	11³⁰	¾	SERVICE + DRESS & MARK DC'S
11³⁰	12¹⁵	¾	RUN IN W/ BIT #30
12¹⁵	12³⁰	¼	BREAK CIRC CLEAN OUT TO BOTM
12³⁰	4⁰⁰	3 ½	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.	10.8	10.8
VISC.	93	T	105	67
W.L.-C.C.	7.6	12	7.0	7.2
FLTR. CK.	2/32		2/32	2/32
pH	8.5	P	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
QX	50#		
CAUSTIC	25#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
40	STANDS DP	3632.66	FT.
3	SNGLS. DP	60.64	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	30.22	FT.
	TOTAL	4189.00	FT.
WT OF STRING		82M	LBS.

BIT RECORD

Drilling or Core Bit No.	30
TYPE	OWV
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	30445
DEPTH IN	4091
DEPTH OUT	
FT. DRILLED	98
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	11¼
CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: Clear

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4126	63		4189		1060	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6½	60	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV + CHECK B.O.P.
4¹⁵	12⁰⁰	7 ¾	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.8	10.8	10.8	10.8
VISC.	80	70	68	66
W.L.-C.C.	7.4	7.6	7.8	8.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	7.6
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

7

REPORT No. 28

DATE: AUG 26, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
OPERATOR'S REPRESENTATIVE: J. R. Brown
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5¾ OD, TYPE THD. F.H.
DRILL PIPE GRADE: E
CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	Oil Well	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	998	Const	900 SAX	2% CaCl2

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7¾	6	6¾
TRIPPING		1¼	½
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE		1¼	
Reaming & Cleaning To Bottom			¼
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			¼
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	1
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1283
FEET CUT OFF	1286
PRESENT LENGTH	2197
TON MI. or TRIPS SINCE LAST CUT	297
CUMULATIVE TON MI. or TRIPS	1393

NO. OF DAYS FROM SPUD	23
CUMULATIVE ROTATING HRS.	384
DAYS SINCE LAST ACCDNT.	185
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	313
DAY TOUR	63
EVENING TOUR	413

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
38	STANDS DP	3451.89 FT.	Drilling or Core Bit No.	28
1	SNGLS. DP	29.70 FT.	TYPE	OWV
	D.C. OD	FT.	SIZE	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	29745
	STB BODY OD	FT.	DEPTH IN	3857
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	73
		FT.	FT. REAMED	
	Kelly Down	13.90 FT.	FT. CORED	
	TOTAL	3930.00 FT.	CUM. HRS. RUN	9
WT OF STRING		85,000 LBS.	CONDITION	IN

DRILLER: E. Mill
WEATHER CONDITIONS: Cold RAIN & SNOW

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3868	62		3930		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	6½	60	4
PUMP No. 2	825	6½	60	3¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	Rig Serv. & Check B.O.P's.
12¹⁵	8⁰⁰	7¾	Drilling 9" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.8
VISC.	107	105	95	82
W.L.-C.C.	7.4	7.2	7.2	7.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Tannathin	50 #		
CX	100 #		
Caustic	50 #		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
38	STANDS DP	3451.89 FT.	Drilling or Core Bit No.	28
2	SNGLS. DP	60.18 FT.	TYPE	OWV
	D.C. OD	FT.	SIZE	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	29745
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	116
		FT.	FT. REAMED	
	Kelly Down	26.62 FT.	FT. CORED	
	TOTAL	3973 FT.	CUM. HRS. RUN	15
WT OF STRING		86,000 LBS.	CONDITION	FAIR

DRILLER: R. Nolan
WEATHER CONDITIONS: Light Rain Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3930	43		3973		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	6½	60	6
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3970	3/4							

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv. Check BOP's
8¹⁵	2¹⁵	6	Drill 9" Hole
2¹⁵	2³⁰	¼	Circ Hole
2³⁰	2⁴⁵	¼	Survey
2⁴⁵	4⁰⁰	1¼	Tripping

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR
WEIGHT	10.8	10.8	10.6	
VISC.	65	63	65	
W.L.-C.C.	7.6	7.6	7.8	
FLTR. CK.	2/32	2/32		
pH	9.0	9.0	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4000		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
39	STANDS DP	2541.39 FT.	Drilling or Core Bit No.	29
1	SNGLS. DP	30.42 FT.	TYPE	MHN
	D.C. OD	FT.	SIZE	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	446241
	STB BODY OD	FT.	DEPTH IN	3973
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	57
		FT.	FT. REAMED	
	Kelly Down	23.68 FT.	FT. CORED	
	TOTAL	4030.00 FT.	CUM. HRS. RUN	6¾
WT OF STRING		80M LBS.	CONDITION	IN

DRILLER: B. Williams
WEATHER CONDITIONS: Rain 2" more

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3973	57		4030		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	6½	60	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹²	¼	Rig Serv Check Bop's
4¹²	4³⁰	¼	Slip 22' Drlg Line
4³⁰	5⁰⁰	½	Run in w/ Bit #29
5⁰⁰	5¹⁵	¼	Clean 12' To Bottom
5¹⁵	12⁰⁰	6¾	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	90	80	70	65
W.L.-C.C.	7.8	7.8	7.6	7.8
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50 #		
TANNATHIN	50 #		
CX	50 #		
GEL	1000 #		

REPORT No. 27

DATE: AUG. 24, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD Oil Corp.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
OPERATOR'S REPRESENTATIVE: J. R. Brown.
LOCATION LSD. SEC. TWP. RGE. W.
RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6 3/4 OD | TYPE THD. F.H. | DRILL PIPE GRADE E
CONTRACTOR'S TOOL PUSHER: R. Nielsen
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N. W. T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil well	214 P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5	0	978	CONST.	900 SAX	2% CaCl.

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	3¼	7¼	5
TRIPPING	1 3/4		1¼
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			1/2
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1/4		1/4
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1/8
FEET SLIPPED 1261
FEET CUT OFF 1286
PRESENT LENGTH 2197
TON MI. or TRIPS SINCE LAST CUT 201
CUMULATIVE TON MI. or TRIPS 1297
NO. OF DAYS FROM SPUD 22
CUMULATIVE ROTATING HRS.
DAYS SINCE LAST ACCDNT. 184
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 312
DAY TOUR 62
EVENING TOUR 412

MORNING TOUR

NO.	DRILLING ASSEMBLY		
36	STANDS DP	3271.24	FT.
1	SNGLS. DP	30.53	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	18.72	FT.
	TOTAL	3755.05	FT.
WT OF STRING		82,000	LBS.

DRILLER: E. Mill
WEATHER CONDITIONS: Clear & Cool

BIT RECORD		
Drilling or Core Bit No.	26	27
TYPE	OWV	M4N
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	29749	43341
DEPTH IN	3585	3725
DEPTH OUT	3725	
FT. DRILLED	130	30
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	15	3½
CONDITION	Dull Loose	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3708	47		3755		90-100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	60	5¾
PUMP No. 2		6½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12¹⁵		¼	Rig Serv. & Check B.O.P.'s
12¹⁵	2³⁰	2	¼	Drilling 9" Hole
2³⁰	4¹⁵	1	¾	Trip for Bit
4¹⁵	4³⁰		¼	Clean out To Bottom.
4³⁰	8⁰⁰	3	½	Drilling 9" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7		10.7	10.7
VISC.	85		83	72
W.L.-C.C.	6.6	R	6.4	6.0
FLTR. CK.	4/32	i	3/32	3/32
pH	9.5		9.5	9.0
SD. CONT.		P		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
37	STANDS DP	3362.91	FT.
	SNGLS. DP	✓	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	28.58	FT.
	TOTAL	3826	FT.
WT OF STRING		82,000	LBS.

DRILLER: R. Nolan
WEATHER CONDITIONS: FAIR.

BIT RECORD		
Drilling or Core Bit No.	27	
TYPE	M4N	
SIZE	9"	
NOZZ. SIZE	11/16	
SERIAL No.	43341	
DEPTH IN	3725	
DEPTH OUT		
FT. DRILLED		
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	11¼	
CONDITION	IN	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3755	71		3826		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	60	7¼
PUMP No. 2		6½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	8¹⁵		¼	Rig Serv Check BOP's
8¹⁵	4⁰⁰	7	¾	Drlg 9" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7	10.7	10.7
VISC.	75	78	75	72
W.L.-C.C.	7.2	7.2	7.6	7.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	8.5	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISPAC	50 lbs		
CAUSTIC	25 lbs		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
37	STANDS DP	3362.91	FT.
1	SNGLS. DP	30.32	FT.
	D.C. OD		FT.
14	6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	40.20	FT.
	TOTAL	3868.00	FT.
WT OF STRING		82 M	LBS.

DRILLER: B. Williams
WEATHER CONDITIONS: Cool

BIT RECORD		
Drilling or Core Bit No.	27	28
TYPE	M4N	OWV
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	43341	29749
DEPTH IN	3725	3857
DEPTH OUT	3857	
FT. DRILLED	132	11
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	15	1¼
CONDITION	DULL	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3826	42		3868		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	60	5
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	Rig Serv Check BOP's & Install New Rotary Chain
4¹⁵	8³⁰	3	¾	Drlg 9" Hole
8³⁰	8⁴⁵		¼	Dev Survey — Misrun — Acc.
8⁴⁵	10³⁰	1	¾	Trip for Bit
10³⁰	10⁴⁵		¼	Clean To Bottom
10⁴⁵	12⁰⁰	1	¼	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.7	10.7		
VISC.	75	72		
W.L.-C.C.	7.6	7.8		
FLTR. CK.	2/32	2/32		
pH	9.5	9.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 26 DATE: Aug 23, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOLPUSHER: R. Nielsen
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: Point Seperation No. 1
PROVINCE: N. W. T.
RIG NO. 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT 5¾ OD TYPE THD. F. H.
DRILL PIPE GRADE: E.

PUMPS No.	MANUFACTURER	TYPE
1.	Oil Well	214P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5	0	998	CONST.	700 SAX	2% CaCl₂

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6¾	5	7¾
TRIPPING		2	
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS	1		
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1½	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1⅛
FEET SLIPPED 1261
FEET CUT OFF 1286
PRESENT LENGTH 2197
TON MI. or TRIPS SINCE LAST CUT 105
CUMULATIVE TON MI. or TRIPS 1206

NO. OF DAYS FROM SPUD 21
CUMULATIVE ROTATING HRS. 138¾
DAYS SINCE LAST ACCDNT. 183
DRILLER ACCDNT. FREE DAYS

MORNING TOUR 3:1
DAY TOUR 6:1
EVENING TOUR 4:1

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
34	STANDS DP	3091.11 FT.	Drilling or Core Bit No	25
1	SNGLS. DP	29.22 FT.	TYPE	M4N
	D.C. OD	FT.	SIZE	9"
14	6¼ OD	439.91 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	535574
	STB BODY OD	FT.	DEPTH IN	3484
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	110
		FT.	FT. REAMED	
	Kelly Down	39.16 FT.	FT. CORED	
	TOTAL	3594.00 FT.	CUM. HRS. kUN	14½
WT OF STRING		78,000 LBS.	CONDITION	IN

DRILLER E. Mill
WEATHER CONDITIONS Light Rain & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3542	52		3594		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825			
PUMP No. 2	825	6½	58	6¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12¹⁵		¼	Rig Serv. & Check B.O.P.'s
12¹⁵	3³⁰	3	¼	Drilling 9" Hole.
3³⁰	4⁰⁰		½	Repair Rotary Chain
4⁰⁰	7⁰⁰	3		Drilling 9" Hole
7⁰⁰	7³⁰		½	Work on Light Plant
7³⁰	8⁰⁰		½	Drilling 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.6	10.6	10.6
VISC.	63	67	70	65
W.L.-C.C.	7.2	6.8	7.2	7.2
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
35	STANDS DP	3180.69 FT.	Drilling or Core Bit No.	25	26
↓	SNGLS. DP	↓ FT.	TYPE	M4N	OWV
	D.C. OD	FT.	SIZE	9"	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	535594	29744
	STB BODY OD	FT.	DEPTH IN	3484	
	SUBS OD	FT.	DEPTH OUT	3594	
	BIT OR C.B.	.60 FT.	FT. DRILLED	110	53
		FT.	FT. REAMED		
	Kelly Down	32.90 FT.	FT. CORED		
	TOTAL	3648.00 FT.	CUM. HRS. RUN	14½	5
WT OF STRING		78,000 LBS.	CONDITION	Loose	IN

DRILLER B. Nolan
WEATHER CONDITIONS Cloudy & Showers Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3594	54		3648		85 100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	61	3
PUMP No. 2	825	6½	60	2

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3590	1/2							

From	To	Elapsed Time		REMARKS
8⁰⁰	8¹⁵		¼	Survey
8¹⁵	9¹⁵	1		Pull out
9¹⁵	9³⁰		¼	Rig Serv Check BOP's
9³⁰	10³⁰	1		Run in w/ Bit #26 Serv & Check DC's
10³⁰	11⁰⁰		½	Clean 25' To Bottom.
11⁰⁰	4⁰⁰	5		Drill 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.2	10.6	10.7
VISC.	63	63	64	67
W.L.-C.C.	7.4	7.4	7.4	
FLT. CK.	2/32	2/32	2/32	2/32
ph	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1600 #		
Bosic	25 #		
Sperbene	50 #		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
35	STANDS DP	3180.69 FT.	Drilling or Core Bit No.	26
2	SNGLS. DP	59.31 FT.	TYPE	OWV
	D.C. OD	FT.	SIZE	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	29749
	STB BODY OD	FT.	DEPTH IN	3594
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	113
		FT.	FT. REAMED	
	Kelly Down	33.40 FT.	FT. CORED	
	TOTAL	3708.00 FT.	CUM. HRS. RUN	12¾
WT OF STRING		80M LBS.	CONDITION	IN

DRILLER E. Williams
WEATHER CONDITIONS Miserable

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3648	60		3708	Shale & Sandstone	100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6½	61	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	Rig Serv Check BOP's
4¹⁵	11⁰⁰	7	¾	Drlg 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.6	10.6	10.6
VISC.	74	80	75	64
W.L.-C.C.	8.0	7.4	6.8	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	7.0	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Driscose 50	#		
Caustic 125	#		
Tannathin 100	#		

REPORT No. 25
DATE: Aug. 22, 63

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 5¾ OD | TYPE THD. F.H. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown. | CONTRACTOR'S TOOL PUSHER: K. Nielsen

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil well	214 P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	798	CONST	900 SKS	2% CaCl2

TIME DISTRIBUTION—HOURS

	Mom	Day	Eve
DRILLING	4¾	5½	3¾
TRIPPING	1¾	1¾	
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS		¾	
HOLE SURVEYS	¼		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS	¾		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1261
FEET CUT OFF	1286
PRESENT LENGTH	2197
TON MI. or TRIPS SINCE LAST CUT	63
CUMULATIVE TON MI. or TRIPS	1159
NO. OF DAYS FROM SPUD	20
CUMULATIVE ROTATING HRS.	325¼
DAYS SINCE LAST ACCDNT.	182
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	310
DAY TOUR	60
EVENING TOUR	400

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
32	STANDS DP	2907.43 FT.	Drilling or Core Bit No	23	24
2	SNGLS. DP	60.00 FT.	TYPE	OSC	OSC
	D.C. OD	FT.	SIZE	9"	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	11111	1163
	STB BODY OD	FT.	DEPTH IN	3305	3421
	SUBS OD	FT.	DEPTH OUT	3421	
	BIT OR C.B.	.60 FT.	FT. DRILLED	116	22
		FT.	FT. REAMED		
	Kelly Down	41.06 FT.	FT. CORED		
	TOTAL	3443 @ FT.	CUM. HRS. RUN	10½	2¼
WT OF STRING		75,000 LBS.	CONDITION	DULL LOOSE	IN
DRILLER	L. Mill				
WEATHER CONDITIONS	RAIN				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3400	43		3443		130	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		6½		
PUMP No. 2	800	6½	62	4¾

DEVIATION RECORD: DEPTH 3421 | DEV. ½° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	RIG SERV. & CHECK B.O.P.
12¹⁵	2⁴⁵	2½	DRILLING 9" HOLE.
2⁴⁵	3⁰⁰	¼	SURVEY
3⁰⁰	4¹⁵	1¼	TOH DOT. W/BIT & RUN IN COLLARS
4¹⁵	5⁰⁰	¾	SLIP 22' LINE CUT 4'
5⁰⁰	5³⁰	½	RUN IN W/BIT #24
5³⁰	5⁴²	¼	CLEAN DOT TO BOTTOM.
5⁴⁵	8⁴⁵	2¼	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	[illegible]		10.6
VISC.	65	1 T		60
W.L.-C.C.	7.0	R		7.0
FLTR. CK.	2/32	1		2/32
pH	8.0	P		8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
33	STANDS DP	2997.90 FT.	Drilling or Core Bit No.	24	25
1	SNGLS. DP	31.18 FT.	TYPE	OSC	M4N
	D.C. OD	FT.	SIZE	9"	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16	41/16
	RMR BODY OD	FT.	SERIAL No.	1163	535594
	STB BODY OD	FT.	DEPTH IN	3421	3484
	SUBS OD	FT.	DEPTH OUT	3484	
	BIT OR C.B.	.60 FT.	FT. DRILLED	63	
		FT.	FT. REAMED		
	Kelly Down	20.41 FT.	FT. CORED		
	TOTAL	3484. FT.	CUM. HRS. RUN	7½	
WT OF STRING		75,000 LBS.	CONDITION	Dull	
DRILLER	H. Nolan				
WEATHER CONDITIONS	COOL LIGHT RAIN.				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3443	41		3484		130	30
					75	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	825	6½	62	5¼

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV CHECK BOP'S
8¹⁵	1³⁰	5¼	DRLG.
1³⁰	2³⁰	1	HOIST BIT # 24
2³⁰	3¹⁵	¾	CHANGE OIL IN ROTARY TABLE
			CLEAN SHAKER BOX REPAIR OIL LEAK IN DUKS
3¹⁵	4⁰⁰	¾	RUN IN W/ BIT # 25

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.6	10.6	
VISC.	58	57	62	
W.L.-C.C.	7.4	7.4		
FLTR. CK.	2/32	2/32		
pH	8.0	8.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500 #		
SPERSENE	50 #		
CAUSTIC	25 #		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
34	STANDS DP	3091.11 FT.	Drilling or Core Bit No.	25	R 1
	SNGLS. DP	FT.	TYPE	M4N	
	D.C. OD	FT.	SIZE	9"	
14	6¼ OD	433.91 FT.	NOZZ. SIZE	3/11/16	
	RMR BODY OD	FT.	SERIAL No.	535594	
	STB BODY OD	FT.	DEPTH IN	3484	
	SUBS OD	FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	58	
		FT.	FT. REAMED		
	Kelly Down	16.31 FT.	FT. CORED		
	TOTAL	35 FT.	CUM. HRS. RUN	2¾	
WT OF STRING		78M LBS.	CONDITION	IN	
DRILLER	E. Williams				
WEATHER CONDITIONS					

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3484	58		3542		90	30
					100	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	825	6½	52	7¾

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV CHECK BOP'S
4¹⁵	12⁰⁰	7¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.5
VISC.	82	70	65	64
W.L.-C.C.	7.2	7.6	7.6	7.5
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000 #		
CAUSTIC	25 #		
SPERSENE	50 #		

REPORT No. 24 DATE: AUG 21, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT SEPARATION No. 1
PROVINCE: NWT
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE
TOOL JOINT: 6 1/4 OD TYPE THD. FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: R. Tucker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
12 7/8	54.5 H40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	5	5 3/4	7 1/4
TRIPPING	1 1/2	1 3/4	
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS	1/4		
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Circling To Bottom	1	1/4	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1239
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	434
CUMULATIVE TON MI. or TRIPS	1075
NO. OF DAYS FROM SPUD	19
CUMULATIVE ROTATING HRS.	307 1/4
DAYS SINCE LAST ACCDNT.	181
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	409
DAY TOUR	309
EVENING TOUR	59

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
31	STANDS DP	2815.44 FT.	Drilling or Core Bit No.	21	22
	SNGLS. DP	FT.	TYPE	S6	S6
14	D.C. OD / OD	433.91 FT.	SIZE	9"	9"
	RMR BODY OD	FT.	NOZZ. SIZE	3:11/16	3:11/16
	STB BODY OD	FT.	SERIAL No.	H46200	H46170
	SUBS OD	FT.	DEPTH IN	3017	3197
	BIT OR C.B.	.60 FT.	DEPTH OUT	3197	
		FT.	FT. DRILLED	180	
	Kelly Down	11.05 FT.	FT. REAMED		
	TOTAL	3261.00 FT.	FT. CORED		
WT OF STRING		LBS.	CUM. HRS. RUN	12 1/4	
DRILLER	B. Williams		CONDITION	DULL OOG	
WEATHER CONDITIONS					

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3195	66		3261		120	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	800	6 1/2	62	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3195	1 1/2°							

From	To	Elapsed Time	REMARKS
1200	1215	1/4	DRLG 9" HOLE
1215	1230	1/4	SURVEY + RIG SERV
1230	115	3/4	PULL OUT
115	130	1/4	CHANGE OIL IN DOWKS
130	215	3/4	RUN IN W/ BIT #22
215	315	1	REAM 60' OOG HOLE
315	800	4 3/4	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T	10.5	10.6	10.6
VISC.	R	75	68	65
W.L.-C.C.	I	7.3	7.2	7.2
FLTR. CK.	P	2/32	2/32	2/32
pH		8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
31	STANDS DP	2815.44 FT.	Drilling or Core Bit No.	22	23
1	SNGLS. DP	30.62 FT.	TYPE	S6	OSC
14	D.C. OD 6 1/4 OD	433.91 FT.	SIZE	9"	9"
	RMR BODY OD	FT.	NOZZ. SIZE	11/16	11/16
	STB. BODY OD	FT.	SERIAL No.	H46170	11111
	SUBS OD	FT.	DEPTH IN	3197	3305
	BIT OR C.B.	.60 FT.	DEPTH OUT	3305	
		FT.	FT. DRILLED	108	3
	Kelly Down	27.43 FT.	FT. REAMED		
	TOTAL	3308.00 FT.	FT. CORED		
WT OF STRING		72,000 LBS.	CUM. HRS. RUN	10 1/4	1/4
DRILLER	E. Mill		CONDITION	DULL	IN
WEATHER CONDITIONS	Cloudy				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3261	47		3308		90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	800	6 1/2	62	5 3/4

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	815	1/4	RIG SERV. & CHECK B.O.P.
815	145	5 1/2	DRILLING 9" HOLE
145	330	1 3/4	TRIP FOR BIT
330	342	1/4	CLEAN OUT TO BOTTOM.
342	400	1/4	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10+	10.6	10.6	T
VISC.	6.5	63	9+	
W.L.-C.C.	7.2	7.4	7.0	R
FLTR. CK.	2/32	2/32	2/32	I
pH	9.0	8.0	8.0	P
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
SPERSENE	50#		
CAUSTIC	25#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
32	STANDS DP	2907.43 FT.	Drilling or Core Bit No.	23	
1	SNGLS. DP	30.62 FT.	TYPE	OSC	
14	D.C. OD / OD	433.91 FT.	SIZE	9"	
	RMR BODY OD	FT.	NOZZ. SIZE	11/16	
	STB BODY OD	FT.	SERIAL No.	H8111	
	SUBS OD	FT.	DEPTH IN	3305	
	BIT OR C.B.	.60 FT.	DEPTH OUT		
		FT.	FT. DRILLED	95	
	Kelly	27.59 FT.	FT. REAMED		
	TOTAL	3400 FT.	FT. CORED		
WT OF STRING		72,000 LBS.	CUM. HRS. RUN	8	
DRILLER	Ed Nolan		CONDITION	IN	
WEATHER CONDITIONS	COOL WINDY & RAIN				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3308	92		3400		90 / 110	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	800	6 1/2	62	7 3/4

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	415	1/4	RIG SERV.
415	1200	7 3/4	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.6	10.6	10.6	10.6
VISC.	72	63	63	65
W.L.-C.C.	7.8	7.8	8.0	8.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 23

DATE: Aug 2016

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
OPERATOR'S REPRESENTATIVE: D.R. Brown.
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD
TYPE TND.: FH
DRILL PIPE GRADE: E
CONTRACTOR'S TOOL PUSHER: R. Nielsen

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT. SEPARATION #1
No.: 1
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7¾	5¼	7¾
TRIPPING		2	
RIG MAINTENANCE	¼	¼	1¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1239
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	334
CUMULATIVE TON MI. or TRIPS	975
NO. OF DAYS FROM SPUD	18
CUMULATIVE ROTATING HRS.	288¾
DAYS SINCE LAST ACCDNT.	180
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	408
DAY TOUR	308
EVENING TOUR	58

MORNING TOUR

NO.	DRILLING ASSEMBLY		
28	STANDS DP	2542.10	FT.
	SNGLS. DP		FT.
14	D.C. OD / OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.68	FT.
			FT.
	Kelly Down	23.39	FT.
	TOTAL	3000.00	FT.
WT OF STRING	68M		LBS.
DRILLER	B. Williams		
WEATHER CONDITIONS	Cool Barometer 29.93		

BIT RECORD	
Drilling or Core Bit No.	20
TYPE	S6
SIZE	9"
NOZZ. SIZE	3-11/16
SERIAL No.	446192
DEPTH IN	2846
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	12
CONDITION	1N

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2893	107	/	3000	Shale	80 / 130	30

	PUMP	PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		800 Jumbo			
PUMP No. 2		800	6½	64	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12¹⁵		¼	RIG SERV
12¹⁵	8⁰⁰	7	¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.3	10.2	10.3	10.4
VISC.	69	65	62	60
W.L.-C.C.	7.8	7.7	7.6	7.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
29	STANDS DP	2631.60	FT.
	SNGLS. DP		FT.
14	D.C. OD / 6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	17.69	FT.
	TOTAL	3084.00	FT.
WT OF STRING	70,000		LBS.
DRILLER	L. Mill		
WEATHER CONDITIONS	Cloudy & Cool		

BIT RECORD		
Drilling or Core Bit No.	20	21
TYPE	S6	S6
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	446192	446200
DEPTH IN	2846	3017
DEPTH OUT	3017	
FT. DRILLED	171	67
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	13	1¼
CONDITION	Dull	1N

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3000	84		3084		130	30

	PUMP	PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		700	6½	56	1½
PUMP No. 2		800	6½	62	4

DEVIATION RECORD: 3017 — 3/4° — DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	9⁰⁰	1		DRILLING 9" Hole
9⁰⁰	9¹⁵		¼	SURVEY.
9¹⁵	9³⁰		¼	RIG SERV & CHECK B.O.P.
9³⁰	11³⁰	2		TRIP FOR BIT.
11³⁰	11⁴⁵		¼	CLEAN OUT 20' TO BOTTOM.
11⁴⁵	4⁰⁰	4	¼	DRILLING 9" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	T	10.4	10.4
VISC.	60	R	68	73
W.L.-C.C.	8.0	I	7.6	6.0
FLTR. CK.	2/32	P	2/32	2/32
pH	8.0		8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL.	1000#		
SPERSENE	50#		
CAUSTIC	25#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
30	STANDS DP	2723.52	FT.
	SNGLS. DP		FT.
14	D.C. OD / 6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	36.97	FT.
	TOTAL	3195	FT.
WT OF STRING	70,000		LBS.
DRILLER	R. Nolan		
WEATHER CONDITIONS	Cloudy & Cool +40		

BIT RECORD	
Drilling or Core Bit No.	21
TYPE	S6
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	446200
DEPTH IN	3017
DEPTH OUT	
FT. DRILLED	178
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	12
CONDITION	1N

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3084	111		3195		130	2-3

	PUMP	PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1					
PUMP No. 2		800	6½	62	7¾

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	RIG SERV.
4¹⁵	12⁰⁰	7	¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.5	10.5	10.5
VISC.	70	63	60	62
W.L.-C.C.	8.2	8.2	7.6	7.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 22

DATE: Aug 19/16

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: PT SEPARATION No. 1 | PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD, TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: K. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	54.5 H-40	0	998	CONST	960 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6½	7	4½
TRIPPING	1	½	1¼
RIG MAINTENANCE	¼	¼	1¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		2¼
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/16
FEET SLIPPED	1239
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	243
CUMULATIVE TON MI. or TRIPS	934
NO. OF DAYS FROM SPUD	17
CUMULATIVE ROTATING HRS.	268
DAYS SINCE LAST ACCDNT.	179
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	407
DAY TOUR	307
EVENING TOUR	57

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	2267.94 FT.	Drilling or Core Bit No.	18
1	SNGLS. DP	30.82 FT.	TYPE	S6
14	D.C. 6¼ OD	433.91 FT.	SIZE	9"
	RMR BODY OD	FT.	NOZZ. SIZE	3-11/16
	STB BODY OD	FT.	SERIAL No.	HH6194
	SUBS OD	FT.	DEPTH IN	2670
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	FT. DRILLED	90
	Kelly Down	26.73 FT.	FT. REAMED	
	TOTAL	2760.00 FT.	FT. CORED	
WT OF STRING	62M LBS.		CUM. HRS. RUN	6½
DRILLER	B. Williams		CONDITION	IN
WEATHER CONDITIONS	Clear & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2670	90		2760	Shale	90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	OR GUMS			
PUMP No. 2	800	6½	64	6½

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2670	7½°							

From	To	Elapsed Time		REMARKS
1400	1630		½	PULL OUT
1630	1645		¼	RIG SERV CHECK BOP'S & SLIP 22' DRIG LINE
1645	15		½	RUN IN W/ BIT #18
15	1730		¼	CLEAN 15' FILL TO BOTTOM
1730	2000	6	½	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T	10.7	10.4	10.2
VISC.		60	45	50
W.L.-C.C.	R	7.6		7.3
FLTR. CK.	I	2/32		2/32
pH	P	8.5		8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3500#		
CLEAN SEDIMENT TANKS			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
26	STANDS DP	2358.83 FT.	Drilling or Core Bit No.	19
1	SNGLS. DP	30.50 FT.	TYPE	S6
14	D.C. OD	FT.	SIZE	9"
	D.C. 6¼ OD	433.29 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	HH6194
	STB BODY OD	FT.	DEPTH IN	2670
	SUBS OD	FT.	DEPTH OUT	2846
	BIT OR C.B.	.60 FT.	FT. DRILLED	176
		FT.	FT. REAMED	
	Kelly Down	22.16 FT.	FT. CORED	
	TOTAL	2846.00 FT.	CUM. HRS. RUN	13½
WT OF STRING	68,000 LBS.		CONDITION	HOISTING
DRILLER	E. Mill			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2760	86		2846		90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		6½		-
PUMP No. 2	700	6½	61	7

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2846	10							

From	To	Elapsed Time		REMARKS
800	815		¼	RIG SERV. & CHECK B.O.P.
815	312	7		DRILLING 9" HOLE
312	320		¼	SURVEY
320	400		½	POH OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.2	10.2	10.2	10.2
VISC.	52	53	55	53
W.L.-C.C.	8.0	8.2	8.0	8.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
SEPSENE	100#		
CAUSTIC	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
26	STANDS DP	2358.83 FT.	Drilling or Core Bit No.	20
2	SNGLS. DP	61.10 FT.	TYPE	S6
14	D.C. OD	FT.	SIZE	9"
	D.C. 6¼ OD	433.91 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	HH6492
	STB BODY OD	FT.	DEPTH IN	2846
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	47
		FT.	FT. REAMED	
	Kelly Down	38.56 FT.	FT. CORED	
	TOTAL	2893.06 FT.	CUM. HRS. RUN	4¼
WT OF STRING	68,000 LBS.		CONDITION	IN
DRILLER	E. Nolan			
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2846	47		2893		90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	700	6½	64	4¼

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
1400	1415		¼	RIG SERV
1415	1530	1	¾	FINISH TRIP SERVICE DC'S
1530	1745	2	¼	WORK PLUGGED BIT & REAM & CLEAN 200' TO BOTM.
1745	2400	4	¼	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			10.2	10.2
VISC.			47	47
W.L.-C.C.			8.2	8.2
FLTR. CK.			2/32	2/32
pH			8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		

REPORT No. 21 DATE: Aug 18/65

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6 1/4 OD
TYPE THD.: F H
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: K. Nielsen
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: PT. SEPARATION # 1
No.: 1
PROVINCE: NWT

PUMPS

No.	MANUFACTURER	TYPE
1.	O-I-WELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5	0	998		900 SAX	22½ Casing
	H 40					

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6½	5¾	7
TRIPPING	3¼	½	1½
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS	¼	1¼	
HOLE SURVEYS	¼		1¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/16
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	229
CUMULATIVE TON MI. or TRIPS	870
NO. OF DAYS FROM SPUD	16
CUMULATIVE ROTATING HRS.	250¼
DAYS SINCE LAST ACCDNT.	178
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	406
DAY TOUR	306
EVENING TOUR	56

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	2001.16 FT.	Drilling or Core Bit No.	17
9	SNGLS. DP	59.49 FT.	TYPE	OSC
14	D.C. 6¼ OD	433.91 FT.	SIZE	9"
	RMR BODY OD	FT.	NOZZ. SIZE	3-11/16
	STB BODY OD	FT.	SERIAL No.	29275
	SUBS OD	FT.	DEPTH IN	2406
	BIT OR C.B.	FT.	DEPTH OUT	2534
		FT.	FT. DRILLED	134
	Kelly Down	38.74 FT.	FT. REAMED	65
	TOTAL	2534.00 FT.	FT. CORED	
WT OF STRING	42M LBS.		CUM. HRS. RUN	8 3/4
DRILLER	B. Williams		CONDITION	DULL
WEATHER CONDITIONS	Clear & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2450	84		2534	Shale	135	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	750	7½	53	6½
PUMP No. 2				

DEVIATION RECORD: DEPTH 2534 DEV. ¾°

From	To	Elapsed Time		REMARKS
12:00	12:30		½	RIG SERV & REPAIR ROTARY CHAIN
12:30	7:00	6	½	DRLG 9" HOLE
7:00	8:00	1		TRIP FOR BIT & DEV SURVEY ¼ HR

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.6
VISC.	58	57	55	55
W.L.-C.C.	7.3	7.2	7.0	7.0
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.0	8.0	8.0	8.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	2091.13 FT.	Drilling or Core Bit No.	18
2	SNGLS. DP	59.23 FT.	TYPE	M4N
14	D.C. 6¼ OD	433.91 FT.	SIZE	9"
	RMR BODY OD	FT.	NOZZ. SIZE	11/16
	STB BODY OD	FT.	SERIAL No.	443131
	SUBS OD	FT.	DEPTH IN	2534
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	FT. DRILLED	65
	Kelly Down	14.13 FT.	FT. REAMED	
	TOTAL	2599.00 FT.	FT. CORED	
WT OF STRING	65,000 LBS.		CUM. HRS. RUN	5¾
DRILLER	E. Mill		CONDITION	ICI
WEATHER CONDITIONS	CLEAR & WARM.			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2534	65		2599		90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	7¼	52	5¾
PUMP No. 2				

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:15		¼	RIG SERV & CHECK B.O.P.'S
8:15	9:30	1	¼	WORK ON AIR SYSTEM.
9:30	10:00		½	RUN IN W/BIT # 18
10:00	10:15		¼	CLEAN OUT TO BOTTOM 15'
10:15	4:00	5	¾	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		10.6	10.6	10.6
VISC.		53	52	53
W.L.-C.C.		7.8	7.6	7.6
FLTR. CK.		2/32	2/32	2/32
pH		8.0	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
TANNATHIN	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
24	STANDS DP	2179.89 FT.	Drilling or Core Bit No.	18
1	SNGLS. DP	30.00 FT.	TYPE	M4N
14	D.C. 6¼ OD	433.91 FT.	SIZE	9"
	RMR BODY OD	FT.	NOZZ. SIZE	11/16
	STB BODY OD	FT.	SERIAL No.	HH3131
	SUBS OD	FT.	DEPTH IN	2534
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	FT. DRILLED	136
	Kelly Down	2560 FT.	FT. REAMED	
	TOTAL	2670 FT.	FT. CORED	
WT OF STRING	65,000 LBS.		CUM. HRS. RUN	12¾
DRILLER	R. Nolan.		CONDITION	DULL
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2599	71		2670	SAND STONE	90	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	7¼A	52	?
PUMP No. 2	750	6½	64	4

DEVIATION RECORD: DEPTH 2670 DEV. ¾° DIRECTION

From	To	Elapsed Time		REMARKS
4:00	4:15		¼	RIG SERV
4:15	11:15	7		DRLG
11:15	11:30		¼	SURVEY
11:30	12:00		½	HOIST
				CHANGE TO 6½ HEADS & LINERS IN #1 PUMP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.5	10.5	10.5	10.5
VISC.	53	53	55	53
W.L.-C.C.	7.8	7.8	7.8	7.8
FLTR. CK.	2/32	2/32		
pH	8.5	8.5		8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 20 DATE: Aug 17/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL et al.
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: PT. SEPARATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6¼ OD, TYPE THD. FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: K. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H40	0	998	CONST	900 Sax	2% Ca Cl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	6¼	10¾	5¼
TRIPPING	1¼	½	1½
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	¼		¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		2½	¾
WORKING OR STICK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	184
CUMULATIVE TON MI. or TRIPS	830
NO. OF DAYS FROM SPUD	15
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	177
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	405
DAY TOUR	305
EVENING TOUR	55

MORNING TOUR

NO.	DRILLING ASSEMBLY		
19	STANDS DP	1731.05	FT.
2	SNGLS. DP	60.10	FT.
14	D.C. 6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down	39.70	FT.
	TOTAL	2265.00	FT.
	WT OF STRING	66M	LBS.

DRILLER: B. Williams
WEATHER CONDITIONS: RAINY

BIT RECORD		
Drilling or Core Bit No.	15	16
TYPE	OSC1G	OSC
SIZE	9"	9"
NOZZ. SIZE	3-11/16	3-11/16
SERIAL No.	H88	8214
DEPTH IN	2054	
DEPTH OUT	2265	
FT. DRILLED	211	
FT. REAMED	400	
FT. CORED		
CUM. HRS. RUN	11¾	
CONDITION	DULL	NEW

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2160	105		2265	Shale	130	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	750	7¼	56	
PUMP No. 2				

DEVIATION RECORD: DEPTH 2160, DEV. 1¼°, DIRECTION

From	To	Elapsed Time		REMARKS
1200	1215		¼	RIG SERV
1215	1520	6	¼	DRLG 9" HOLE
1520	1605		¼	DEV SURVEY
1605	1745	1		POH OUT & CHECK BOP'S
1745	800		¼	RUN IN W/ BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	
VISC.	60	75	70	
W.L.-C.C.	6.6	6.7	6.8	
FLTR. CK.	32	32	32	
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1406 #		

DAY TOUR

NO.	DRILLING ASSEMBLY		
20	STANDS DP	1822.00	FT.
2	SNGLS. DP	59.13	FT.
14	D.C. 6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	39.36	FT.
	TOTAL	2355.00	FT.
	WT OF STRING	60,000	LBS.

DRILLER: B. Mill
WEATHER CONDITIONS: Cloudy & Cool

BIT RECORD	
Drilling or Core Bit No.	16
TYPE	OSC
SIZE	9"
NOZZ. SIZE	11/16
SERIAL No.	8214
DEPTH IN	2265
DEPTH OUT	
FT. DRILLED	90
FT. REAMED	400
FT. CORED	
CUM. HRS. RUN	4¾
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2265	90		2355		150	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	7¼	56	4¾
PUMP No. 2				

DEVIATION RECORD: DEPTH, DEV., DIRECTION

From	To	Elapsed Time		REMARKS
800	815		¼	RIG SERV & CHECK B.O.P's
815	845		½	FINIS RUN IN W/BIT
845	1115	2	½	REAM 400' TO BOTTOM.
1115	400	4	¾	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		10.3	10.4	10.4
VISC.		58	55	53
W.L.-C.C.	T & P	7.4	7.4	
FLTR. CK.		32	32	
pH		8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	10 #		
SPERSENE	50 #		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
22	STANDS DP	1801.16	FT.
	SNGLS. DP		FT.
14	D.C. 6¼ OD	433.91	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.60	FT.
			FT.
	Kelly Down	14.33	FT.
	TOTAL	2450	FT.
	WT OF STRING	61,000	LBS.

DRILLER: K. Nolan
WEATHER CONDITIONS: Fair

BIT RECORD		
Drilling or Core Bit No.	16	17
TYPE	OSC	OSC
SIZE	9"	9"
NOZZ. SIZE	11/16	11/16
SERIAL No.	8214	29275
DEPTH IN	2265	2400
DEPTH OUT	2400	
FT. DRILLED	135	50
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	13¼	2¼
CONDITION	Dull	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2355	95		2450		140	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	800	7¼	56	5¼
PUMP No. 2				

DEVIATION RECORD: DEPTH 2400, DEV. ⅞°, DIRECTION

From	To	Elapsed Time		REMARKS
400	415		¼	RIG SERV.
415	715	3		DRLG
715	730		¼	SURVEY
730	900	1	½	TRIP / BIT #17
900	945		¾	REAM 65' TO BTM.
945	1200	2	¼	DRILL 9" HOLE
				CHANGE SAVER SUB.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.4	10.4	10.4	10.4
VISC.	63	65	65	65
W.L.-C.C.	7.6	7.6	T	7.4
FLTR. CK.	32	32	R	32
pH	8.0	8.0	T	7.0
SD. CONT			P	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 19
DATE: Aug 16/60

DAILY DRILLING REPORT

OPERATOR: R.O.C. | LOCATION LSD. SEC. TWP. RGE. W4 | WELL NAME: PT. SEPARATION No. 1 | PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD, TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. B. Brown. | CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H-40	0	998	CONST	900 SAX	2% Ca Cl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6½	5¼	5½
TRIPPING		1¾	
RIG MAINTENANCE	¼	¼	1¼
RIG REPAIRS			
HOLE SURVEYS		¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	¼		2¼
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/16
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	120
CUMULATIVE TON MI. or TRIPS	775
NO. OF DAYS FROM SPUD	14
CUMULATIVE ROTATING HRS.	214 3/4
DAYS SINCE LAST ACCDNT.	176
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	404
DAY TOUR	304
EVENING TOUR	54

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
16	STANDS DP	1458.05 FT.	Drilling or Core Bit No.	14
1	SNGLS. DP	31.01 FT.	TYPE	OSC1G
14	D.C. OD	433.91 FT.	SIZE	9"
	OD	FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	4425
	STB BODY OD	FT.	DEPTH IN	1800
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	150
		FT.	FT. REAMED	110
	Kelly Down	26.43 FT.	FT. CORED	
	TOTAL	1950.00 FT.	CUM. HRS. RUN	6½
WT OF STRING		LBS.	CONDITION	IN

DRILLER: B. Williams

WEATHER CONDITIONS: HEAVY PRECIPITATION

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1800	150		1950		100	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	725	7¼	58	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:15		1/4	RIG SERV
12:15	1:30	1	1/4	REAM 110' 00g HOLE
1:30	8:00	6	1/2	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.2	10.2	10.2	10.2
VISC.	65	70	73	62
W.L.-C.C.	7.0	7.4	7.4	7.6
FLTR. CK.	2/32	2/32	2/32	2/32
pH	8.5	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
17	STANDS DP	1549.27 FT.	Drilling or Core Bit No.	14	13
1	SNGLS. DP	30.80 FT.	TYPE	OSC1G	OSC1G
	D.C. OD	FT.	SIZE	9"	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	4425	488
	STB BODY OD	FT.	DEPTH IN	1800	2054
	SUBS OD	FT.	DEPTH OUT	2054	
	BIT OR C.B.	60 FT.	FT. DRILLED	254	
		FT.	FT. REAMED		
	Kelly Down	39.42 FT.	FT. CORED		
	TOTAL	2054.00 FT.	CUM. HRS. RUN	12¼	
WT OF STRING		55,000 LBS.	CONDITION	DULL 006.	

DRILLER: L. Mill

WEATHER CONDITIONS: RAINING.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1950	104		2054		125	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	750	7¼	57	5¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2054	7/8							

From	To	Elapsed Time		REMARKS
8:00	8:15		1/4	RIG SERV. + CHECK B.O.P.
8:15	2:00	5	3/4	DRILLING 9" HOLE.
2:00	2:15		1/4	SURVEY
2:15	4:00	1	3/4	TRIP FOR BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.2	10.2	10.3	
VISC.	60	62	65	
W.L.-C.C.	7.2	7.0	7.2	
FLTR. CK.	2/32	2/32	2/32	
pH	9.0	9.0	9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
18	STANDS DP	1641.48 FT.	Drilling or Core Bit No.	15
2	SNGLS. DP	59.57 FT.	TYPE	OSC1G
	D.C. OD	FT.	SIZE	9"
14	6¼ OD	433.91 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	488
	STB BODY OD	FT.	DEPTH IN	2054
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	106
		FT.	FT. REAMED	
	Kelly Down	24.44 FT.	FT. CORED	
	TOTAL	2160 FT.	CUM. HRS. RUN	5½
WT OF STRING		58,000 LBS.	CONDITION	IN

DRILLER: H. Nolan

WEATHER CONDITIONS: COOL RAIN. +40°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2054	106		2160	SHALE	125	30

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	750	7¼	56	3¼
PUMP No. 2	700	6½	64	2

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4:00	6:15	2	1/4	REAM 400' TO BOTM.
6:15	6:30		1/4	RIG SERV
6:30	12:00	5	1/2	DRILL 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		10.3	10.3	10.3
VISC.		65	63	60
W.L.-C.C.		7.6	7.6	7.8
FLTR. CK.		2/32	2/32	2/32
pH		8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUS		CAUSTIC 10#	
		SOFRSEAL 50#	

REPORT No. 18 DATE: Aug 15/60

DAILY DRILLING REPORT

OPERATOR: A.O.C | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: FT SEPARATION | No. 1 | PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6¼ OD, TYPE THD. FH. | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: R. Nielsen

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214D
2.	"	"
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.5	0	998	900 CONSTRUCTION		2% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5½	7¼	3¼
TRIPPING	1		1¼
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			1
HOLE SURVEYS	¼		¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			1½
WORKING OR STUCK PIPE	1		
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			1½
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON. MI. or TRIPS SINCE LAST CUT	90
CUMULATIVE TON. MI. or TRIPS	737
NO. OF DAYS FROM SPUD	13
CUMULATIVE ROTATING HRS.	191
DAYS SINCE LAST ACCDNT.	176
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	402
DAY TOUR	303
EVENING TOUR	53

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
13	STANDS DP	1185.26 FT.	Drilling or Core Bit No.	12	13
	SNGLS. DP	FT.	TYPE	OSC1G	OSC1G
12	D.C. 6¼ OD	371.59 FT.	SIZE	9"	9"
	OD	FT.	NOZZ. SIZE	3-11/16	3-11/16
	RMR BODY OD	FT.	SERIAL No.	4423	5067
	STB BODY OD	FT.	DEPTH IN	1202	1207
	SUBS OD	FT.	DEPTH OUT	1507	
	BIT OR C.B.	.60 FT.	FT. DRILLED	305	
		FT.	FT. REAMED		
	Kelly Down	39.70 FT.	FT. CORED		
	TOTAL	1597.00 FT.	CUM. HRS. RUN	15½	4
WT OF STRING	48M LBS.		CONDITION	DULL	
DRILLER	E. Williams				
WEATHER CONDITIONS	WARM				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1472	122		1597		130	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	7¼	58	3½
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1507	¾°							

From	To	Elapsed Time	REMARKS
12:00	1:30	1½	DRIG 9" HOLE
1:30	1:45	¼	SURVEY
1:45	2:15	½	PULL OUT OF HOLE
2:15	2:30	¼	RIG SERV CHECK BOP'S FIX KELLY COCK
2:30	3:00	½	RUN IN HOLE
3:00	7:00	4	DRIG 9" HOLE
7:00	8:00	1	WORK TIGHT HOLE ON CONN

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.8	9.9	9.9	9.9
VISC.	47	50	48	49
W.L.-C.C.	10.8	9.6	9.6	9.5
FLTR. CK.	2/32			
pH	9.5	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	10#		
TANNATHIN	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
14	STANDS DP	1275.57 FT.	Drilling or Core Bit No.	13	
2	SNGLS. DP	61.80 FT.	TYPE	OSC1G	
12	D.C. 6¼ OD	371.59 FT.	SIZE	9"	
	OD	FT.	NOZZ. SIZE	11/16	
	RMR BODY OD	FT.	SERIAL No.	5067	
	STB BODY OD	FT.	DEPTH IN	1507	
	SUBS OD	FT.	DEPTH OUT		
	BIT OR C.B.	.60 FT.	FT. DRILLED	238	
		FT.	FT. REAMED		
	Kelly Down	33.44 FT.	FT. CORED		
	TOTAL	1745.00 FT.	CUM. HRS. RUN	11¾	
WT OF STRING	49,000 LBS.		CONDITION	IN	
DRILLER	E. Mill				
WEATHER CONDITIONS	Cloudy & Cool				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1597	148		1745		130	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	650	7¼	58	7¼
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	RIG SERV. & CHECK B.O.P's.
8:15	4:00	7¾	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.	10.1	10.2	10.2
VISC.	50	75	63	63
W.L.-C.C.	9.6	7.4	7.6	7.4
FLTR. CK.	32	3/32	3/32	3/32
pH	10.5	10.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	700#		
BICARB	100#		
DRISCOSE	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
14	STANDS DP	1275.57 FT.	Drilling or Core Bit No.	13	14
2	SNGLS. DP	61.80 FT.	TYPE	OSC1G	OSC1G
14	D.C. 6¼ OD	433.91 FT.	SIZE	9"	9"
	OD		NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	5067	
	STB BODY OD	FT.	DEPTH IN	1507	
	SUBS 8 1/8 OD	FT.	DEPTH OUT	1800	
	BIT OR C.B.	FT.	FT. DRILLED	293	
		FT.	FT. REAMED		
	Kelly Down	32.00 FT.	FT. CORED		
	TOTAL	1800. FT.	CUM. HRS. RUN	15	
WT OF STRING	52,000 LBS.		CONDITION	Dull	
DRILLER	H. Holen				
WEATHER CONDITIONS	CLOUDY & COOL RAIN.				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1745	55		1800		130	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	650	7¼	58	3¾
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1800	1¼°							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	RIG SERV
4:15	7:30	3¼	DRILL 9" HOLE
7:30	7:45	¼	SURVEY
7:45	8:30	¾	PULLOUT W/ BIT # 13
8:30	10:00	1½	LAY DOWN 1 D.C & PICK UP 2. SERVICE SAME. DRESS 2 DC'S & TOP COLLARS IN.
10:00	11:00	1	REPAIR HIGH DRUM CHAIN.
11:00	11:30	½	RUN IN. 11:30-12:00. REAM TIGHT @ 1590

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.2	10.2		T
VISC.	63	63		R
W.L.-C.C.	7.6	7.6		
FLTR. CK.	2/32	2/32		P.
pH	8.5	8.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 17 DATE: Aug 14/60

DAILY DRILLING REPORT

OPERATOR: P.O.C. et al | LOCATION: LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION | No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT SIZE 5½ OD, TYPE THD. FH | DRILL PIPE GRADE 2-3

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: R. Nikes

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54.5 H40	0	498	CONST	900	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	6¼	6¼ 7¾	3/4
TRIPPING	1/4	3/4	
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS	1/4	1/4	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1/2	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON-MI. or TRIPS SINCE LAST CUT	52
CUMULATIVE TON MI. or TRIPS	737
NO. OF DAYS FROM SPUD	12
CUMULATIVE ROTATING HRS.	172½
DAYS SINCE LAST ACCDNT.	175
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	52
DAY TOUR	402
EVENING TOUR	202

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
8	STANDS DP	730.24 FT.	Drilling or Core Bit No.	11
2	SNGLS. DP	60.64 FT.	TYPE	S-3
	OD	FT.	SIZE	9"
12	DC 6¼ OD	371.59 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	3-4551
	STB BODY OD	FT.	DEPTH IN	1010
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	192
		FT.	FT. REAMED	
	Kelly Down	39.70 FT.	FT. CORED	
	TOTAL	1202.77 FT.	CUM. HRS. RUN	7¼
WT OF STRING		44,000 LBS.	CONDITION	Dull
DRILLER	P. Nolan			
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1035	167		1202		120	15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	500	7¼	58	6¼
PUMP No. 2				

DEVIATION RECORD: DEPTH 1200 | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	RIG SERV.
12¹⁵	1³⁰	1¼	DRILL 9" HOLE. ← 7¼ bit
1³⁰	1⁴⁵	¼	SURVEY
1⁴⁵	8⁰⁰	¼	POOLING OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.1
VISC.	34	37	43	54
W.L.-C.C.				
FLTR. CK.				
pH	7.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
10	STANDS DP	911.81 FT.	Drilling or Core Bit No.	12
1	SNGLS. DP	30.88 FT.	TYPE	OSC1C
12	D.C. 6¼ OD	371.59 FT.	SIZE	9"
	RMR BODY OD	FT.	NOZZ. SIZE	11/16
	STB BODY OD	FT.	SERIAL No.	4433
	SUBS OD	FT.	DEPTH IN	1202
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	FT. DRILLED	125
	Kelly Down	10.32 FT.	FT. REAMED	
	TOTAL	1327.00 FT.	FT. CORED	
WT OF STRING		46M LBS.	CUM. HRS. RUN	6¼
DRILLER	B. Williams		CONDITION	IN
WEATHER CONDITIONS	RAINY			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1202	85		1327		120	20

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	550	7¼	58	6¼
PUMP No. 2				

DEVIATION RECORD: DEPTH 1320 | DEV. 1° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV CHECK BLINDRAMS & HYDRIL
8¹⁵	9⁰⁰	¾	TRIP FOR BIT
9⁰⁰	9³⁰	½	CLEAN TO BOTTOM
9³⁰	3⁰⁰	5 ½	DRLG 9" HOLE
3⁰⁰	3¹⁵	¼	DEV SURVEY
3¹⁵	4⁰⁰	¾	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		9.1	9.1	9.2
VISC.		49	45	50
W.L.-C.C.			12.0	12.0
FLTR. CK.			2/32	2/32
pH			9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	35#		
SPERSENE	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
11	STANDS DP	1004.21 FT.	Drilling or Core Bit No.	12
2	SNGLS. DP	61.42 FT.	TYPE	OSC-1C
	D.C. OD	FT.	SIZE	9"
12	6¼ OD	371.59 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	4433
	STB BODY OD	FT.	DEPTH IN	1202
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	273
		FT.	FT. REAMED	
	Kelly Down	37.18 FT.	FT. CORED	
	TOTAL	1475.00 FT.	CUM. HRS. RUN	14
WT OF STRING		46,000 LBS.	CONDITION	IN
DRILLER	E. Mill			
WEATHER CONDITIONS	Cloudy & Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1327	148		1475		120	20
					120	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	550	7¼	58	7¾
PUMP No. 2				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV. & CHECK B.O.P.'s
4¹⁵	12⁰⁰	7 ¾	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.4	9.5	9.6	9.7
VISC.	47	47	46	46
W.L.-C.C.	11.6	11.6	11.0	10.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SPERSENE	50#		
CAUSTIC	25#		

REPORT No. 16 DATE: AUG 13-60

DAILY DRILLING REPORT

OPERATOR: P.O.G. et al

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE:

TOOL JOINT: 5 3/4 OD TYPE THD. FH

DRILL PIPE GRADE: 2-3

OPERATOR'S REPRESENTATIVE: J. P. Brown

CONTRACTOR'S TOOL PUSHER: K. Nielsen

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	54.5 H40	0	498	CONST	900	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	6 1/4	6 1/4	3 3/4
TRIPPING	1/4	3/4	
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS	1/4	1/4	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		1/2	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON-MI. or TRIPS SINCE LAST CUT	52
CUMULATIVE TON MI. or TRIPS	737
NO. OF DAYS FROM SPUD	12
CUMULATIVE ROTATING HRS.	172 1/2
DAYS SINCE LAST ACCDNT.	175
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	52
DAY TOUR	402
EVENING TOUR	202

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
8	STANDS DP	739.24 FT.	Drilling or Core Bit No	11
2	SNGLS. DP	60.64 FT.	TYPE	S-3
12	D.C. OD	FT.	SIZE	9"
	6 1/4 OD	371.59 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	354551
	STB BODY OD	FT.	DEPTH IN	1010
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	192
		FT.	FT. REAMED	
	Kelly Down	39.70 FT.	FT. CORED	
	TOTAL	1202.77 FT.	CUM. HRS. RUN	7 1/4
WT OF STRING		44,000 LBS.	CONDITION	Drill

DRILLER: P. Horan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
1035	167		1202		120	15	PUMP No. 1	500	7 1/4	58	6 1/4
							PUMP No. 2				

DEVIATION RECORD: DEPTH 1200 | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
1200	1215	1/4	RIG SERV.
1215	1730	5 1/4	DRILL 9" HOLE ← 7 1/4 hrs
1730	1745	1/4	SURVEY
1745	1800	1/4	PULLING OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.1
VISC.	34	37	43	54
W.L.-C.C.				
FLTR. CK.				
pH	7.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000 #		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
10	STANDS DP	911.87 FT.	Drilling or Core Bit No.	12
1	SNGLS. DP	30.88 FT.	TYPE	OSC1C
12	D.C. 6 1/4 OD	371.59 FT.	SIZE	9"
	RMR BODY OD	FT.	NOZZ. SIZE	11/16
	STB BODY OD	FT.	SERIAL No.	4433
	SUBS OD	FT.	DEPTH IN	1202
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	FT. DRILLED	125
	Kelly Down	15.32 FT.	FT. REAMED	
	TOTAL	1357.06 FT.	FT. CORED	
WT OF STRING		44M LBS.	CUM. HRS. RUN	6 1/4
			CONDITION	IN

DRILLER: B. McWilliams

WEATHER CONDITIONS: RAINY

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
1202	85		1327		120	20	PUMP No. 1	550	7 1/4	58	6 1/4
							PUMP No. 2				

DEVIATION RECORD: DEPTH 1320 | DEV. 1° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
800	815	1/4	RIG SERV CHECK BLINDRAMS & HYDRIL
815	900	3/4	TRIP FOR BIT
900	930	1/2	CLEAN TO BOTTOM
930	300	5 1/2	DRLG 9" HOLE
300	315	1/4	DEV SURVEY
315	400	3/4	DRLG 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.1	9.1	9.1	9.2
VISC.	49	45	45	50
W.L.-C.C.			12.0	12.0
FLTR. CK.			2/32	2/32
pH			9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	35 #		
SPERSENE	50 #		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
11	STANDS DP	1004.21 FT.	Drilling or Core Bit No.	12
2	SNGLS. DP	61.42 FT.	TYPE	OSC-1G
12	D.C. OD	FT.	SIZE	9"
	6 1/4 OD	371.59 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	4433
	STB BODY OD	FT.	DEPTH IN	1202
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.60 FT.	FT. DRILLED	273
		FT.	FT. REAMED	
	Kelly Down	37.18 FT.	FT. CORED	
	TOTAL	1475.00 FT.	CUM. HRS. RUN	14
WT OF STRING		46,000 LBS.	CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
1327	148		1475		120	20	PUMP No. 1	550	7 1/4	58	7 3/4
					120	25	PUMP No. 2				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time	REMARKS
400	415	1/4	RIG SERV. & CHECK B.O.P.'S
415	1200	7 3/4	DRILLING 9" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.4	9.5	9.6	9.7
VISC.	47	47	46	46
W.L.-C.C.	11.6	11.6	11.0	10.4
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SPERSENE	50 #		
CAUSTIC	25 #		

REPORT No. 16

DATE: AUG 13-60

DAILY DRILLING REPORT

OPERATOR: ROC

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPERATION No. 1

PROVINCE: NW T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO. 16

DRILL PIPE STRING NO. SIZE

TOOL JOINT 5 3/4 OD TYPE THD. FH

DRILL PIPE GRADE 2-3

OPERATOR'S REPRESENTATIVE: J. R. Brown

CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED

DEPT. OF NORTHERN AFFAIRS & NATIONAL RESOURCES CALGARY, ALBERTA OTHER 1960 AUG Oil Conservation Engineer Northwest Territories & Yukon Territory

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			1
TRIPPING			1½
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			1
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT	8	8	½
HEADING UP AND DRILLING OUT			4
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORX HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	39
CUMULATIVE TON MI. or TRIPS	724
NO. OF DAYS FROM SPUD	11
CUMULATIVE ROTATING HRS.	152¼
DAYS SINCE LAST ACCDNT.	174
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	51
DAY TOUR	401
EVENING TOUR	301

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: H. Holan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	0⁰⁰	8	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
7	STANDS DP	639.46 FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
9	D.C. OD	278.43 FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	4.89 FT.	FT. DRILLED	
BELL SUB		9.82 FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	930.21 FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: B. Williams

WEATHER CONDITIONS: Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003			1003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
6⁰⁰	4⁰⁰		W O C
			DISPLACED MUD OUT OF HOLE
			PRESSURE TEST BLIND RAMS 1000# HELD O.K.
			~~PRESSURE~~ TO TOP OF CEMENT
			92..1

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
7	STANDS DP	639.00 FT.	Drilling or Core Bit No.	10	11
	SNGLS. DP	FT.	TYPE	54	53
	D.C. OD	FT.	SIZE	12¼	9
12	6¼ OD	371.59 FT.	NOZZ. SIZE		11/16
	RMR BODY OD	FT.	SERIAL No.	5357	3545
	STB BODY OD	FT.	DEPTH IN	425	1010
	SUBS OD	FT.	DEPTH OUT	DRILL	
	BIT OR C.B.	.60 FT.	FT. DRILLED	OUT	25
		FT.	FT. REAMED	CEMENT	
	Kelly Down	23.81 FT.	FT. CORED	PLUG	
	TOTAL	1035.00 FT.	CUM. HRS. RUN	SHOE.	1
	WT OF STRING	42,000 LBS.	CONDITION	1	IN

DRILLER: L. Mill

WEATHER CONDITIONS: Cloudy & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1000	25		1035		120	15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	7¼	57	2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	PRESSURE TEST 4½ RAMS 1000# HELD O.K.
4¹⁵	4³⁰	¼	" " HYDRIL 1000# HELD O.K.
4³⁰	8³⁰	4	DRILL OUT CEMENT, PLUG & SHOE
8³⁰	9³⁰	1	PULL OUT W/12¼ BIT & CLEAN SUCTION TANK
9³⁰	10⁰⁰	½	RUN IN W/9" BIT
10⁰⁰	11⁰⁰	1	DISPLACE HOLE TO MUD & CONDITION MUD
11⁰⁰	12⁰⁰	1	DRILLING 9" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				8.7
VISC.				33
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
BICARB	200#		
GEL	55.00#		

REPORT No. 15

DATE: AUG 12 - 60

DAILY DRILLING REPORT

OPERATOR: R. O C.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

OPERATOR'S REPRESENTATIVE: J. R. Brown.

CONTRACTOR'S TOOL PUSHER: Wally Fowler

DRILL PIPE STRING NO. SIZE:

TOOL JOINT: 6 1/4 OD — TYPE THD. F11

DRILL PIPE GRADE: E

LOCATION LSD. SEC. TWP. RGE. W.: WILDCAT NWT

WELL NAME: PT SEPARATION — No. 1

PROVINCE: ALTA

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.3 H 40	0	998	Const	900	2% CaCl

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT	8	8	8
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	8	8	8
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 — SIZE 1 1/8
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	25
CUMULATIVE TON MI. or TRIPS	710
NO. OF DAYS FROM SPUD	10
CUMULATIVE ROTATING HRS.	151 1/4
DAYS SINCE LAST ACCDNT.	173
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	50
DAY TOUR	400
EVENING TOUR	300

MORNING TOUR

NO.	DRILLING ASSEMBLY	FT.
STANDS DP		FT.
SNGLS. DP		FT.
D.C. OD		FT.
OD		FT.
RMR BODY OD		FT.
STB BODY OD		FT.
SUBS OD		FT.
BIT OR C.B.		FT.
		FT.
Kelly Down		FT.
TOTAL		FT.
WT OF STRING		LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: A. Holan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1300	800	8	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY	FT.
STANDS DP		FT.
SNGLS. DP		FT.
D.C. OD		FT.
OD		FT.
RMR BODY OD		FT.
STB BODY OD		FT.
SUBS OD		FT.
BIT OR C.B.		FT.
		FT.
Kelly Down		FT.
TOTAL		FT.
WT OF STRING		LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: B Williams

WEATHER CONDITIONS: Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003			1003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	400	8	W O C

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY	FT.
STANDS DP		FT.
SNGLS. DP		FT.
D.C. OD		FT.
OD		FT.
RMR BODY OD		FT.
STB BODY OD		FT.
SUBS OD		FT.
BIT OR C.B.		FT.
		FT.
Kelly Down		FT.
TOTAL		FT.
WT OF STRING		LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: L Mill

WEATHER CONDITIONS: WARM

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	1200	8	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 14

DATE: AUG 11 — 60

DAILY DRILLING REPORT

OPERATOR: B. O.C.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED — RIG NO. 16

LOCATION: LSD. — SEC. WILDCAT — TWP. — RGE. NWT — W.

WELL NAME: POINT SEPARATION — No. 1 — PROVINCE: NWT

DRILL PIPE STRING NO. SIZE — TOOL JOINT OD — TYPE THD. — DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: J. R. Brown

CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.5 H 40	0	998	CONST	900	2% CACL

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT	8	8	8
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1/8
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	25
CUMULATIVE TON MI. or TRIPS	710
NO. OF DAYS FROM SPUD	9
CUMULATIVE ROTATING HRS.	151 1/4
DAYS SINCE LAST ACCONT.	172
DRILLER ACCONT. FREE DAYS	
MORNING TOUR	48.
DAY TOUR	399
EVENING TOUR	299

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Stolan

WEATHER CONDITIONS: Foggy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 00		8	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Williams

WEATHER CONDITIONS: Sunny

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003	—		1003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 00	4 00	8	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS: Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003			1003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	8 00	8	W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 13

DATE: AUG 10, - 60

DAILY DRILLING REPORT

OPERATOR: P.O.C
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.
DRILL PIPE STRING NO. SIZE
TOOL JOINT 5 3/4 OD TYPE THD. FH
DRILL PIPE GRADE 2-3
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Carbon

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	54.50 ~~H-40~~ J55	KB	998	PORTLAND	900	2% CACL2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE	1/4	1/4	
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			1/2
WAITING ON CEMENT			7 1/2
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	1/4	1/4	
DAYWORK HOURS	7 1/4	7 3/4	8
TOTAL HOURS	8.	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/4
FEET SLIPPED	1217
FEET CUT OFF	1242
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	2.5
CUMULATIVE TON MI. or TRIPS	710
NO. OF DAYS FROM SPUD	4
CUMULATIVE ROTATING HRS.	~~7 1/2~~ 15 1/4
DAYS SINCE LAST ACCDNT.	171
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	48.
DAY TOUR	399
EVENING TOUR	298

MORNING TOUR

NO.	DRILLING ASSEMBLY		
8	STANDS DP	732.52	FT.
2.	SNGLS. DP	60.68	FT.
6	D.C. 6 1/4 OD	183.70	FT.
	RMR BODY OD	2.40	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
BELL S.		1.82	FT.
	Kelly Down	21.88	FT.
	TOTAL	1003.	FT.
WT OF STRING		30,000	LBS.

BIT RECORD: Drilling or Core Bit No. 9B; TYPE REED REAMER; SIZE 17 1/2; NOZZ. SIZE; SERIAL No. R936; DEPTH IN 918; DEPTH OUT 1003; FT. DRILLED; FT. REAMED 85; FT. CORED; CUM. HRS. RUN 8 1/2; CONDITION LOOSE

DRILLER: Pat Holden
WEATHER CONDITIONS: FAIR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
960	43		1003		150	12.

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	7 1/4	58	6
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:15	1/4	WORK TIGHT HOLE ON CON.
12:15	12:30	1/4	RIG SERV
12:30	5:00	4 1/2	REAM 12 1/4 TO 17 1/2" HOLE
5:00	5:15	1/4	CIRC HOLE.
5:15	6:30	1 1/4	TRIP TO CONDITION HOLE BEFORE CASG
			DOUBLE MEASURE PIPE. + 1.45 DIFF
6:30	8:00	1 1/2	CIRC COND MUD.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.4	11.4	11.4	11.5
VISC.	50	65	73	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		

DAY TOUR

NO.	DRILLING ASSEMBLY		
8	STANDS DP	732.52	FT.
2	SNGLS. DP	60.68	FT.
6	D.C. 6 1/4 OD	183.70	FT.
	RMR BODY OD	2.40	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
BELL SUB		1.82	FT.
	Kelly Down	21.88	FT.
	TOTAL	1003.40	FT.
WT OF STRING		30M	LBS.

BIT RECORD: Drilling or Core Bit No. 9B; TYPE REED REAMER; SIZE 17 1/2; NOZZ. SIZE; SERIAL No. R936; DEPTH IN 918; DEPTH OUT 1003; FT. DRILLED; FT. REAMED 85; FT. CORED; CUM. HRS. RUN 8 1/2; CONDITION LOOSE

DRILLER: E. Williams
WEATHER CONDITIONS: WARM

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003	—		1003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	7 1/4	58	1/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:30	1/2	CIRC COND MUD + RIG SERV
8:30	9:00	1/2	PULL OUT OF HOLE
9:00	10:00	1	RIG UP TO RUN CASING + WELD 1 JT.
10:00	12:45	2 3/4	RUN 13 3/8 CSG
12:45	2:15	1 1/2	CIRC COND HOLE PRIOR TO CEMENTING
2:15	3:30	1 1/4	RUN CEMENT
3:30	4:00	1/2	INSTALL PLUG + START PUMPING PLUG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		
	STANDS DP		FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
	OD		FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD: Drilling or Core Bit No.; TYPE; SIZE; NOZZ. SIZE; SERIAL No.; DEPTH IN; DEPTH OUT; FT. DRILLED; FT. REAMED; FT. CORED; CUM. HRS. RUN; CONDITION

DRILLER: E. Mill
WEATHER CONDITIONS: WARM.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1003	—	-	1003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:30	1/2	PUMP DOWN PLUG.
4:30	12:00	7 1/2	W.O.C. 1006.99'
			RAN 25 JTS 1006 FT OF 13 3/8 54.50 ~~H-40~~ J55 SHORT COLLAR CASING. CASING LANDED @ 998 KB
			CEMENTED W/ 900 SKS PORTLAND & 2% CACL2
			PLUG PUMP DOWN @ 4.25 W/ 860 PSI.
			F.S. & B. TO GROUND 12.25'

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

RITTER - (R.D. CORP)

REPORT No. 12

DATE: AUG 9. - 60

DAILY DRILLING REPORT

OPERATOR: R.O.C.

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPERATION No. 1

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO. 16

DRILL PIPE STRING NO. SIZE 4 1/2

TOOL JOINT 5 3/4" OD TYPE THD. FH

DRILL PIPE GRADE

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214T
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

OPERATOR'S REPRESENTATIVE: G.P. Brown

CONTRACTOR'S TOOL PUSHER: Dave Forbes

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING	1 1/4	1/2	1/2
RIG MAINTENANCE	1/4		1/4
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL		1/2	3/4
DAYWORK HOURS	6 1/2	7 1/2	7 1/4
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/8
FEET SLIPPED	1217'
FEET CUT OFF	1242'
PRESENT LENGTH	2241
TON MI. or TRIPS SINCE LAST CUT	5
CUMULATIVE TON MI. or TRIPS	692
NO. OF DAYS FROM SPUD	7
CUMULATIVE ROTATING HRS.	146 3/4
DAYS SINCE LAST ACCDNT.	170
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	47
DAY TOUR	397
EVENING TOUR	297

MORNING TOUR

NO.	DRILLING ASSEMBLY		
7	STANDS DP	640.71	FT.
2	SNGLS. DP	60.05	FT.
	D.C. OD		FT.
6	6 1/4 OD	184.43	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
	BELL SUB	1.82	FT.
	Kelly Down	16.99	FT.
	TOTAL	908.05	FT.
WT OF STRING		24,000	LBS.

BIT RECORD

Drilling or Core Bit No.	9
TYPE	REED REAMER
SIZE	17 1/2
NOZZ. SIZE	
SERIAL No.	TP936
DEPTH IN	770
DEPTH OUT	
FT. DRILLED	
FT. REAMED	138
FT. CORED	
CUM. HRS. RUN	13
CONDITION	IN?

DRILLER: P. Phelan

WEATHER CONDITIONS: Cloudy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
847		61	908		150	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7 1/4	58	6 1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	12:15	1/4	RIG SERV.
12:15	1:30	1 1/4	CLEAN & CHECK REAMER SERVICE ALL DC'S RUN IN CIRC REAMER
1:30	8:00	6 1/2	REAM 12 1/4 TO 17 1/2" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.3	11.3	11.3	11.4
VISC.	47	53	55	60
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		

DAY TOUR

NO.	DRILLING ASSEMBLY		
7	STANDS DP	640.71	FT.
2	SNGLS. DP	60.65	FT.
	D.C. OD		FT.
6	6 1/4 OD	184.43	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
	BELL SUB	1.82	FT.
	Kelly Down	26.99	FT.
	TOTAL	918.00	FT.
WT OF STRING		26,000	LBS.

BIT RECORD

Drilling or Core Bit No.	9
TYPE	REED REAMER
SIZE	17 1/2
NOZZ. SIZE	
SERIAL No.	R.936
DEPTH IN	770
DEPTH OUT	918
FT. DRILLED	148
FT. REAMED	148
FT. CORED	
CUM. HRS. RUN	14
CONDITION	DULL & LOOSE

DRILLER: B. Williams

WEATHER CONDITIONS: Warm

Depth At Beginning of Tour	Drilled This Tour	~~Cored or~~ Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
908		10	918		130	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7 1/4	58	6 1/2
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
9:00	9:00	1	REAM 12 1/4 - 17 1/2 HOLE
9:00	9:30	1/2	PULL OUT OF HOLE
9:30	4:00	6 1/2	WELDING NEW CUTTERS ON REAMER BODY

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.4			
VISC.	70			40
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	800#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
8	STANDS DP	730.37	FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
6	6 1/4 OD	184.43	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
	BELL SUB	1.82	FT.
	Kelly Down	39.38	FT.
	TOTAL	960.00	FT.
WT OF STRING		30,000	LBS.

BIT RECORD

Drilling or Core Bit No.	9-B NEW CUTTERS
TYPE	REED REAMER
SIZE	17 1/2
NOZZ. SIZE	
SERIAL No.	R-936
DEPTH IN	918
DEPTH OUT	
FT. DRILLED	
FT. REAMED	42
FT. CORED	
CUM. HRS. RUN	4
CONDITION	IN

DRILLER: E. Mill

WEATHER CONDITIONS: CLEAR & WARM.

Depth At Beginning of Tour	Drilled This Tour	~~Cored or~~ Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
918		42	960		150	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7 1/4	58	4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4:00	4:15	1/4	RIG SERV. (SLIP 162' & CUT 200' DRILL. LINE)
4:15	6:30	2 1/4	WELD NEW CUTTERS ON REAMER BODY
6:30	7:00	1/2	RUN IN W/REAMER
7:00	7:45	3/4	CONDITION MUD
7:45	11:45	4	REAMING 12 1/4 TO 17 1/2" HOLE
11:45	12:00	1/4	WORK TIGHT HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			11.0	11.0
VISC.			45	45
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 11

DATE: AUG 8, 60

DAILY DRILLING REPORT

OPERATOR: T. O.C.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED — RIG NO. 16

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPERATION — No. 1 — PROVINCE: N.W.T.

DRILL PIPE STRING NO. SIZE: 4½ — TOOL JOINT 5 3/4 OD — TYPE THD. F.H. — DRILL PIPE GRADE: 2-3

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214"
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

OPERATOR'S REPRESENTATIVE: J. R. Brown — CONTRACTOR'S TOOL PUSHER: Doug Parker

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING		1½	½
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			1¼
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS		1	
SUB TOTAL			2
DAYWORK HOURS	7¾	5¼	6
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES / SIZE	1 / 1¼
FEET SLIPPED	1055
FEET CUT OFF	1042
PRESENT LENGTH	2441
TON MI. or TRIPS SINCE LAST CUT	434
CUMULATIVE TON MI. or TRIPS	694

NO. OF DAYS FROM SPUD	6
CUMULATIVE ROTATING HRS.	135¼
DAYS SINCE LAST ACCDNT.	169
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	46
DAY TOUR	396
EVENING TOUR	296

MORNING TOUR

NO.	DRILLING ASSEMBLY		FT.
6	STANDS DP	548.71	FT.
	SNGLS. DP		FT.
6	D.C. OD 6¼ OD	184.43	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
B. SUB		1.82	FT.
	Kelly Down	14.04	FT.
	TOTAL	753	FT.
WT OF STRING		22,000	LBS.

BIT RECORD

Drilling or Core Bit No.	2C JPR
TYPE	REED REAMER
SIZE	17½
NOZZ. SIZE	
SERIAL No.	R 942
DEPTH IN	660
DEPTH OUT	
FT. DRILLED	
FT. REAMED	93
FT. CORED	
CUM. HRS. RUN	9¾
CONDITION	IN

DRILLER: N. Nolan

WEATHER CONDITIONS: NICE

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
677		76	753		200	10
					180	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	7¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	1215	¼	RIG SERV.
1215	800	7 3/4	REAM 12¼ TO 17½" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.7	11.7	11.7	11.7
VISC.	62	70	70	73
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		FT.
6	STANDS DP	548.71	FT.
	SNGLS. DP		FT.
6	D.C. OD 6¼ OD	184.43	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
BELL SUB		1.82	FT.
	Kelly Down	32.04	FT.
	TOTAL	774.00	FT.
WT OF STRING		23M	LBS.

BIT RECORD

Drilling or Core Bit No.	REED 9	
TYPE	REAMER	REED REAMER
SIZE	17½	17½
NOZZ. SIZE		
SERIAL No.	R-942	R-936
DEPTH IN	660	770
DEPTH OUT	770	
FT. DRILLED		
FT. REAMED	110	4
FT. CORED		
CUM. HRS. RUN	12	½
CONDITION	Box LOOSE	NEW

DRILLER: B. Williams

WEATHER CONDITIONS: WARM

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
753		21	774		200	10
					125	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	2¾
PUMP No. 2	600	6½		½

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
800	815	¼	RIG SERV
815	1630	3 ¼	REAM 12¼ - 17½" HOLE
1630	1700	½	PULL OUT OF HOLE
1700	1800	1	WELD ON 12¼" BIT + WELD ON MUD TANKS
1800	100	1	RUN IN W/ REAMER & DRESS D.C.
100	330	2	CONDITION MUD
330	400	½	REAM 12¼ - 17½ HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.8			10.9
VISC.	75			40
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.	DUMP SEDIMENT TANK			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		FT.
7	STANDS DP	640.71	FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
6	6¼ OD	184.43	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
BELL SUB		1.82	FT.
	Kelly Down	16.04	FT.
	TOTAL	847.00	FT.
WT OF STRING		24,000	LBS.

BIT RECORD

Drilling or Core Bit No.	9
TYPE	REED REAMER
SIZE	17½
NOZZ. SIZE	
SERIAL No.	R936
DEPTH IN	770
DEPTH OUT	
FT. DRILLED	
FT. REAMED	77
FT. CORED	
CUM. HRS. RUN	6½
CONDITION	IN

DRILLER: R. Mill

WEATHER CONDITIONS: CLEAR & Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
774	*	73	847		150	10
					150	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	6
PUMP No. 2		6½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
400	415	¼	RIG SERV.
415	500	¾	REAM. 12¼ TO 17½" HOLE
500	510	¼	WELD CONDUCTOR PIPE
510	800	2 ¾	REAM. 12¼ TO 17½" HOLE
800	900	1	WORK ON OILERS IN DWKS
900	1130	2 ½	REAM 12¼ TO 17½" HOLE
1130	1200	½	TRIP TO CHECK REAMER.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.9	11.1	11.0	11.1
VISC.	35	40	45	47
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500		

REPORT No. 10

DATE: AUG 7. 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO. 16
DRILL PIPE STRING NO. SIZE 4½
TOOL JOINT 5¾ OD TYPE THD. F.H.
DRILL PIPE GRADE 2:3
OPERATOR'S REPRESENTATIVE: J.B. Brown
CONTRACTOR'S TOOL PUSHER: Hourston

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	" "
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			1
RIG MAINTENANCE	¼	1½	1¼
RIG REPAIRS	3¼		3¼
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			1½
SUB TOTAL		1½	3½
DAYWORK HOURS	4½	7½	4½
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/16
FEET SLIPPED	1055
FEET CUT OFF	1042
PRESENT LENGTH	2441
TON MI. or TRIPS SINCE LAST CUT	427
CUMULATIVE TON MI. or TRIPS	687
NO. OF DAYS FROM SPUD	5
CUMULATIVE ROTATING HRS.	118 3/4
DAYS SINCE LAST ACCDNT.	169
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	295
DAY TOUR	45
EVENING TOUR	395

MORNING TOUR

NO.	DRILLING ASSEMBLY		
2	STANDS DP	182.48	FT.
2	SNGLS. DP	62.48	FT.
9	D.C. OD		FT.
	6¼ OD	277.73	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
	Bell Sub	1.82	FT.
	Kelly Down	12.49	FT.
	TOTAL	541.00	FT.
WT OF STRING		26,000	LBS.

BIT RECORD

Drilling or Core Bit No.	8
TYPE	Reed Reamer
SIZE	17½
NOZZ. SIZE	
SERIAL No.	A935
DEPTH IN	325
DEPTH OUT	
FT. DRILLED	
FT. REAMED	216
FT. CORED	
CUM. HRS. RUN	16
CONDITION	IN

DRILLER: E. Mill
WEATHER CONDITIONS: Clear & Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
493	48		541		200	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	4½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12	12½		¼	Rig Serv
12½	4½	4	½	Reaming 12¼" to 17½" Hole
4½	8	3	¾	Bale Cellar & Weld Conductor Pipe

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	80	75	60	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
3	STANDS DP	273.68	FT.
2	SNGLS. DP	62.36	FT.
9	D.C. OD		FT.
	6¼ OD	277.73	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
1	B.S.	1.82	FT.
	Kelly Down	27.41	FT.
	TOTAL	647.00	FT.
WT OF STRING		27,000	LBS.

BIT RECORD

Drilling or Core Bit No.	8
TYPE	Reed Reamer
SIZE	17½
NOZZ. SIZE	
SERIAL No.	R936
DEPTH IN	325
DEPTH OUT	
FT. DRILLED	
FT. REAMED	322
FT. CORED	
CUM. HRS. RUN	23½
CONDITION	IN

DRILLER: Ed Nolan
WEATHER CONDITIONS: Sunny & Warm.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
[redacted]		106	647		200	12
541						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	7½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8	8½		½	Weld Conductor Pipe Ric Serv
8½	H	7	½	Ream 12¼ to 17½ Hole
				"String New Catline"

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	109	109	114	114
VISC.	43	48	55	62
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
3	STANDS DP	436.76	FT.
	SNGLS. DP		FT.
9	D.C. OD		FT.
	6¼ OD	277.73	FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
	Bell Sub	1.82	FT.
	Kelly Down	29.99	FT.
	TOTAL	677.00	FT.
WT OF STRING		32M	LBS.

BIT RECORD

Drilling or Core Bit No.	8	2-B
TYPE	Reed Reamer	Reed Reamer
SIZE	17½	17½
NOZZ. SIZE		
SERIAL No.	R935	R942
DEPTH IN	325	660
DEPTH OUT	660	
FT. DRILLED		
FT. REAMED	335	17
FT. CORED		
CUM. HRS. RUN	25	2
CONDITION	Broken	IN

DRILLER: B. Williams
WEATHER CONDITIONS: Warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
647		30	677		200	12
						16

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	3½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4	5:30	1	½	Ream 12¼ - 17½ Hole
5:30	7:30	2		Pull out + Serv + Dress All Collars
7:30	7:45		¼	Rig Serv.
7:45	9:30	1	¾	Cut Away Old Reamer + Repair Swivel
9:30	10		½	Run in W/ Reamer
10	12	2		Ream 12¼ - 17½ Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	116	TRIP		116
VISC.	70			75
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 9
DATE: Aug 6, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPERATION No. 1

PROVINCE: N. W. T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE: 4½

TOOL JOINT: 5¾ OD TYPE THD. F.H

DRILL PIPE GRADE: E-3

PUMPS No.	MANUFACTURER	TYPE
1.	Oil well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

OPERATOR'S REPRESENTATIVE: J. R. Brown.

CONTRACTOR'S TOOL PUSHER: Don Parker

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING	½		
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL	¾		
DAYWORK HOURS	7¼	7¾	7¾
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	105
FEET CUT OFF	1042
PRESENT LENGTH	2441
TON MI. or TRIPS SINCE LAST CUT	428
CUMULATIVE TON MI. or TRIPS	687
NO. OF DAYS FROM SPUD	5
CUMULATIVE ROTATING HRS.	16 3¼
DAYS SINCE LAST ACCDNT.	169
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	294
DAY TOUR	44
EVENING TOUR	394

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	2-B
	SNGLS. DP	FT.	TYPE	REAMER
9	D.C. OD 6¼" OD	277.73 FT.	SIZE	17½
	RMR BODY OD	4.00 FT.	NOZZ. SIZE	
	STB BODY OD	FT.	SERIAL No.	A.R. R.943
	SUBS OD	FT.	DEPTH IN	48
	BIT OR C.B.	FT.	DEPTH OUT	
	Bell Sub	1.82 FT.	FT. DRILLED	
	Kelly Down	15.68 FT.	FT. REAMED	260
	TOTAL	300.00 FT.	FT. CORED	
WT OF STRING		23,000 LBS.	CUM. HRS. RUN	13
DRILLER	E. Mill		CONDITION	IN
WEATHER CONDITIONS	FOGGY & LIGHT RAIN			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
172		128	300		200	10	PUMP No. 1	275	7¼	57	7¼
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12 00	12 15		¼	RIG SERV.
12 15	3 30	3	¼	REAMING 12¼" TO 17¼" HOLE.
3 30	4 00		½	TRIP TO CHECK REAMER.
4 00	8 00	4		REAMING 12¼" TO 17¼" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.6	11.6	11.6	11.6
VISC.	60	66	63	70
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
1	STANDS DP	91.28 FT.	Drilling or Core Bit No.	2-B	8
	SNGLS. DP	FT.	TYPE	REED REA."	
9	D.C. OD 6¼ OD	277.73 FT.	SIZE	17½	17½
	RMR BODY OD	4.00 FT.	NOZZ. SIZE		
	STB BODY OD	FT.	SERIAL No.	R-948	R-956
	SUBS OD	FT.	DEPTH IN	40	R-935
	BIT OR C.B.	FT.	DEPTH OUT	325	
	B SUB	1.82 FT.	FT. DRILLED		
	Kelly Down	15.17 FT.	FT. REAMED	285	65
	TOTAL	390.00 FT.	FT. CORED		
WT OF STRING		24,000 LBS.	CUM. HRS. RUN	14 3/4	3 3/4
DRILLER	A. Nolan		CONDITION	Dull	IN
WEATHER CONDITIONS	MILD SUNNY				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
300		90	390		200	10	PUMP No. 1	300	7¼	58	5½
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8 00	9 45	1	¾	REAM 12¼ TO 17½" HOLE
9 45	10 00		¼	RIG SERV
10 00	10 30	1	½	TRIP FOR REAMER WELD 12¼ BIT ON
10 30	12 15		¾	REAM 60' OF SPIRAL HOLE TO BTM.
12 15	4 00	3	¾	REAM 12¼ TO 17½" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	73	70	65	63
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SPERSENE	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
2	STANDS DP	182.48 FT.	Drilling or Core Bit No.	8	
	SNGLS. DP	FT.	TYPE	REED REAMER	
9	D.C. OD 6¼ OD	277.73 FT.	SIZE	17½	
	RMR BODY OD	4.00 FT.	NOZZ. SIZE		
	STB BODY OD	FT.	SERIAL No.	R. 935	
	SUBS OD	FT.	DEPTH IN	325	
	BIT OR C.B.	FT.	DEPTH OUT		
	BELL SUB	1.82 FT.	FT. DRILLED		
	Kelly Down	26.97 FT.	FT. REAMED	168	
	TOTAL	493.00 FT.	FT. CORED		
WT OF STRING		28M LBS.	CUM. HRS. RUN	11½	
DRILLER	B Williams		CONDITION	IN	
WEATHER CONDITIONS	WARM & COOL				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
390		103	493		200	10	PUMP No. 1	225	7¼	58	7¾
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4 00	4 15		¼	RIG SERV
4 15	12 00	7	¾	REAM 12¼ - 17¼ HOLE

MUD RECORD

TIME	1st HR.	3rd. HR.	5th HR.	7th HR.
WEIGHT				
VISC.	68	52	58	60
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 8

DATE: AUG 5, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
OPERATOR'S REPRESENTATIVE: J. P. Brown.
CONTRACTOR'S TOOL PUSHER: Don Corbett
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.

DRILL PIPE: STRING NO. SIZE 4½ | TOOL JOINT 5¾ OD | TYPE THD. F.H. | GRADE 2-3

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

MORNING TOUR

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7	3¾	
TRIPPING	¾		
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			1¼
HOLE SURVEYS		1¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			5¾
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL		11¼	7¼
DAYWORK HOURS		3¾	3¼
TOTAL HOURS	8	8	8

DRILLING ASSEMBLY

NO.			
8	STANDS DP	733.30	FT.
1	SNGLS. DP	29.45	FT.
	D.C. OD		FT.
6	6¼ OD	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.80	FT.
	Bell Sub	1.82	FT.
	Kelly Down	24.44	FT.
	TOTAL	975.00	FT.
WT OF STRING		16,000	LBS.
DRILLER		L. Mill	
WEATHER CONDITIONS		LIGHT RAIN	

BIT RECORD

Drilling or Core Bit No	6	7
TYPE	54	OSC-1G
SIZE	12¼	12¼
NOZZ. SIZE		
SERIAL No.	363543	28110
DEPTH IN	740	931
DEPTH OUT	932	
FT. DRILLED	192	44
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	14¾	7
CONDITION	FAIR	1H

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
931	44		975		200	8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	425	7¼	58	7
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:15		¼	RIG SERV.
12:15	1:00		¾	TRIP FOR BIT MEASURE PIPE
1:00	8:00	7		DRILLING 12¼" S.H.

OLD TALLY — 932.00
MEASURE OUT — 931.65
DIFF — .35

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.4	11.4	11.4	11.4
VISC.	65	67	68	68
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY

NO.			
8	STANDS DP	733.30	FT.
2	SNGLS. DP	60.04	FT.
	D.C. OD		FT.
6	6¼ OD	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.80	FT.
	Bell Sub	1.82	FT.
	Kelly Down	28.85	FT.
	TOTAL	1010.	FT.
WT OF STRING		26,000	LBS.
DRILLER		B. Nolan	
WEATHER CONDITIONS		MILD +72	

BIT RECORD

Drilling or Core Bit No.	7
TYPE	OSC1G
SIZE	12¼
NOZZ. SIZE	
SERIAL No.	28110
DEPTH IN	931
DEPTH OUT	1010
FT. DRILLED	79
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	10¾
CONDITION	GOOD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
975	35		1010		200	10-12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	425	7¼	58	4½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1010	½°							

From	To	Elapsed Time		REMARKS
8:00	8:15		¼	RIG SERV.
8:15	12:00	3	¾	DRLG
12:00	12:45		¾	CIRC HOLE CLEAN FOR LOGGING
12:45	1:00		¼	SURVEY
1:00	1:30		½	PULL OUT TO LOGG
1:30	4:00	2	½	RIG WELEX & RUN E LOG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	11.4	11.4	11.4	11.4
VISC.	70	73	73	7
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1100		

EVENING TOUR

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
	SNGLS. DP		FT.
5	D.C. 6¼ OD	152.09	FT.
			FT.
	RMR BODY OD	4.00	FT.
	STB BODY OD		FT.
	SUBS OD	1.97	FT.
	BIT OR C.B.		FT.
	Bell SUB	1.82	FT.
	Kelly Down	10.00	FT.
	TOTAL	172.88	FT.
WT OF STRING		15M	LBS.
DRILLER		B. Williams	
WEATHER CONDITIONS		MILD	

BIT RECORD

Drilling or Core Bit No.	8 R-2-B
TYPE	REAMER
SIZE	17½
NOZZ. SIZE	AGAP
SERIAL No.	RR
DEPTH IN	40
DEPTH OUT	
FT. DRILLED	
FT. REAMED	132
FT. CORED	
CUM. HRS. RUN	5¾
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
40		132	172		200	4-5

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	200	7¼	58	5¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
4:00	4:15		¼	RIG SERV
4:15	5:00		¾	LOGGING W/ WELEX
5:00	7:00	2		REAM 12¼" - 17½" HOLE
7:00	8:15	1	¼	WORK ON OIL LINES IN DWKS
8:15	8:00	3	¾	REAM 12¼" - 17½" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		11.3	11.3	11.4
VISC.		80	70	63
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200		

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	8 SIZE 1/8
FEET SLIPPED	1055
FEET CUT OFF	1042
PRESENT LENGTH	3441
TON-MI. or TRIPS SINCE LAST CUT	427
CUMULATIVE TON MI. or TRIPS	682

NO. OF DAYS FROM SPUD	4
CUMULATIVE ROTATING HRS.	82¾
DAYS SINCE LAST ACCDNT.	168
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	293
DAY TOUR	43
EVENING TOUR	393

REPORT No. 7 DATE: Aug 4, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5¾ OD
TYPE THD.: F.H.
DRILL PIPE GRADE: 2-3
OPERATOR'S REPRESENTATIVE: J. R. Brown.
CONTRACTOR'S TOOL PUSHER: Doug Parker
LOCATION LSD. SEC. TWP. RGE. W.:
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6½	7½	7½
TRIPPING	1		
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			
HOLE SURVEYS	¼	¼	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 8 SIZE 1 1/8
FEET SLIPPED 1055
FEET CUT OFF 1042
PRESENT LENGTH 2441
TON MI. or TRIPS SINCE LAST CUT 427
CUMULATIVE TON MI. or TRIPS 687
NO. OF DAYS FROM SPUD 3
CUMULATIVE ROTATING HRS. 6 6¼
DAYS SINCE LAST ACCDNT. 167
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 292
DAY TOUR 42
EVENING TOUR 392

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
5	STANDS DP	4602 FT.	Drilling or Core Bit No.	5	6
2	SNGLS. DP	59.46 FT.	TYPE	OSC-3	S-4
	D.C. OD	FT.	SIZE	12¼	12¼
6	6½ OD	185.19 FT.	NOZZ. SIZE		
	RMR BODY OD	FT.	SERIAL No.	235411	363543
	STB BODY OD	FT.	DEPTH IN	379	740
	SUBS OD	FT.	DEPTH OUT	740	
	BIT OR C.B.	.80 FT.	FT. DRILLED	361	
	BELL SUB	1.82 FT.	FT. REAMED		
	Kelly Down	32.71 FT.	FT. CORED		
	TOTAL	740.00 FT.	CUM. HRS. RUN	23½	
WT OF STRING	23,000 LBS.		CONDITION	Ground Dull	
DRILLER	E. Mill				
WEATHER CONDITIONS	Foggy				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
663	77		740		200	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	57	6½
PUMP No. 2				

DEVIATION RECORD: DEPTH 7/6 DEV. ¾° DIRECTION

From	To	Elapsed Time		REMARKS
12⁰⁰	12¹⁵		¼	RIG SERV.
12¹⁵	5³⁰	5	¼	DRILLING 12¼" S.H.
5³⁰	5⁴⁵		¼	SURVEY
5⁴⁵	7⁰⁰	1	¼	DRILLING 12¼" S.H.
7⁰⁰	8⁰⁰	1		TRIP FOR BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	66	68	65	62
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	20,00		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
7	STANDS DP	641.45 FT.	Drilling or Core Bit No.	6
	SNGLS. DP	✓ FT.	TYPE	S4
	D.C. OD	FT.	SIZE	12¼
6	6½ OD	185.19 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	363543
	STB BODY OD	FT.	DEPTH IN	740
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.80 FT.	FT. DRILLED	114
6	SUB	1.82 FT.	FT. REAMED	
	Kelly Down	25.74 FT.	FT. CORED	
	TOTAL	854.00 FT.	CUM. HRS. RUN	7½
WT OF STRING	24,000 LBS.		CONDITION	IN
DRILLER	R. Holan			
WEATHER CONDITIONS	Mud			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
740	114		854	SHALE SANDSTONE	200	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	7¼	58	7½
PUMP No. 2				

DEVIATION RECORD: DEPTH 775 DEV. ¾° DIRECTION

From	To	Elapsed Time		REMARKS
8⁰⁰	8¹⁵		¼	RIG SERV.
8¹⁵	10³⁰	2	¼	DRLG.
10³⁰	10⁴⁵	1	¼	SURVEY.
10⁴⁵	4⁰⁰	5	¼	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	52	60	63	65
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SPERSENE	30#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
8	STANDS DP	7333 FT.	Drilling or Core Bit No.	6
	SNGLS. DP	FT.	TYPE	S4
	D.C. OD	FT.	SIZE	12¼
6	6½ OD	185.19 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	363543
	STB BODY OD	FT.	DEPTH IN	740
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	.80 FT.	FT. DRILLED	191
	BELL SUB	1.82 FT.	FT. REAMED	
	Kelly Down	9.89 FT.	FT. CORED	
	TOTAL	931.00 FT.	CUM. HRS. RUN	14¾
WT OF STRING	28M LBS.		CONDITION	IN
DRILLER	B. Williams			
WEATHER CONDITIONS	WARM & SALUBRIOUS			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
854	77		931	Shale & Sandstone	200	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	7¼	58	7¼
PUMP No. 2				

DEVIATION RECORD: DEPTH 865 DEV. ½° DIRECTION — DEPTH 930 DEV. ¾ DIRECTION

From	To	Elapsed Time		REMARKS
4⁰⁰	4¹⁵		¼	RIG SERV
4¹⁵	5¹⁵	1		DRLG
5¹⁵	5³⁰		¼	DEV SURVEY
5³⁰	10⁴⁵	5	¼	DRLG
10⁴⁵	11⁰⁰		¼	DEV SURVEY
11⁰⁰	12⁰⁰	1		DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	68	60	65	66
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 6
DATE: Aug 3, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO. 16
DRILL PIPE STRING NO. SIZE 4½
TOOL JOINT 5¾ OD TYPE THD. F.H.
DRILL PIPE GRADE 2-3
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Lloyd Carlson

PUMPS No.	MANUFACTURER	TYPE
1.	OIL WELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6	7¼	7¼
TRIPPING	½		
RIG MAINTENANCE	¼	1¼	1¼
RIG REPAIRS			
HOLE SURVEYS	¾	1½	1½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO. 2
NO. OF LINES 6 SIZE 1/8
FEET SLIPPED 1055
FEET CUT OFF 1042
PRESENT LENGTH 2441
TON MI. or TRIPS SINCE LAST CUT 427
CUMULATIVE TON MI. or TRIPS 687

NO. OF DAYS FROM SPUD 3
CUMULATIVE ROTATING HRS. 45
DAYS SINCE LAST ACCDNT. 166
DRILLER ACCDNT. FREE DAYS

MORNING TOUR	291
DAY TOUR	41
EVENING TOUR	391

MORNING TOUR

NO.	DRILLING ASSEMBLY		
2	STANDS DP		181.94 FT.
2	SNGLS. DP		61.25 FT.
	D.C. OD		FT.
6	D.C. 6½ OD		185.19 FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		.80 FT.
	Bell Sub		1.82 FT.
	Kelly Down		19.00 FT.
	TOTAL		450.00 FT.

WT OF STRING 30,000 LBS.
DRILLER E. Mill
WEATHER CONDITIONS Cloudy

BIT RECORD		
Drilling or Core Bit No.	4	5
TYPE	S.3	OSC-3
SIZE	12¼	12¼
NOZZ. SIZE		
SERIAL No.	360412	23541
DEPTH IN	114	379
DEPTH OUT	379	
FT. DRILLED	265	71
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	22½	2¾
CONDITION	OUT 1/16 GAUGE	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
336	114		450	SHALE	200	8-10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	250	7¼	58	6
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
409	0°							

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	RIG SERV.
12:15	3:30	3	¼ DRILLING 12¼" S.H.
3:30	4:00	½	TRIP FOR BIT
4:00	5:30	1	½ DRILLING 12¼" S.H.
5:30	5:45	¼	SURVEY
5:45	6:30	¾	DRILLING 12¼" S.H.
6:30	7:30	1	WORK TIGHT HOLE ON CONN
7:30	8:00	½	DRILLING 12¼" S.H.

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	60	58	58	53
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
3	STANDS DP		274.19 FT.
2	SNGLS. DP		61.70 FT.
	D.C. OD		FT.
6	D.C. 6½ OD		185.19 FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		.80 FT.
	B SUB		1.82 FT.
	Kelly Down		33.80 FT.
	TOTAL		558.00 FT.

WT OF STRING 21,000 LBS.
DRILLER H. Holan
WEATHER CONDITIONS FAIR

BIT RECORD	
Drilling or Core Bit No.	5
TYPE	OSC-3
SIZE	12¼
NOZZ. SIZE	
SERIAL No.	23541
DEPTH IN	
DEPTH OUT	
FT. DRILLED	178
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	10
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
450	108		558		200	8-10
					200	6-7

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	300	7¼	58	7¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
470	1/8°		530	3/4°				

From	To	Elapsed Time	REMARKS
8:00	8:45	¾	DRLG
8:45	9:00	¼	SURVEY
9:00	9:15	¼	RIG SER.
9:15	1:15	4	DRLG
1:15	1:30	¼	SURVEY
1:30	4:00	2½	DRLG

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	55	52	60	65
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4700#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
5	STANDS DP		420.02 FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
6	D.C. 6⅜ OD		185.19 FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		.80 FT.
	Bell Sub		1.82 FT.
	Kelly Down		14.53 FT.
	TOTAL		663 FT.

WT OF STRING 23M LBS.
DRILLER B. Williams
WEATHER CONDITIONS MILD

BIT RECORD	
Drilling or Core Bit No.	5
TYPE	OSC-3
SIZE	12¼
NOZZ. SIZE	
SERIAL No.	23541
DEPTH IN	379
DEPTH OUT	
FT. DRILLED	284
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	17¼
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
558	105		663		200	8-9

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	350	7¼	58	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
563	1/8°		628	1/8°				

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	DRLG 12¼ HOLE
4:15	4:45	½	RIG SERV & DEV SURVEY
4:45	9:15	4½	DRLG 12¼" HOLE
9:15	9:30	¼	DEV SURVEY
9:30	12:00	2½	DRLG 12¼" HOLE

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	67	62	62	65
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	25	Sap	

REPORT No. 5
DATE: AUG 2, 60.

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5¾ OD, TYPE THD. F.H.
DRILL PIPE GRADE: 2-3
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Jack Carlson
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	OIL WELL	214-P
2.	"	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6	7¼	7¼
TRIPPING	½		
RIG MAINTENANCE	¼	1¼	1¼
RIG REPAIRS			
HOLE SURVEYS	¼	1½	1½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE	1		
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1/8
FEET SLIPPED	1055
FEET CUT OFF	1042
PRESENT LENGTH	2441
TON MI. or TRIPS SINCE LAST CUT	427
CUMULATIVE TON MI. or TRIPS	697
NO. OF DAYS FROM SPUD	2
CUMULATIVE ROTATING HRS.	45
DAYS SINCE LAST ACCDNT.	166
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	291
DAY TOUR	41
EVENING TOUR	391

MORNING TOUR

NO.	DRILLING ASSEMBLY		
2	STANDS DP	181.94	FT.
2	SNGLS. DP	61.25	FT.
	D.C. OD		FT.
6	6½ OD	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.80	FT.
	Bell Sub	1.82	FT.
	Kelly Down	19.00	FT.
	TOTAL	450.00	FT.
WT OF STRING		20,250	LBS.
DRILLER		E. Mill	
WEATHER CONDITIONS		Cloudy	

BIT RECORD		
Drilling or Core Bit No.	4	5
TYPE	S.3	OSC-3
SIZE	12¼	12¼
NOZZ. SIZE		
SERIAL No.	360412	2.3541
DEPTH IN	114	379
DEPTH OUT	379	
FT. DRILLED	265	71
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	2½	2¾
CONDITION	pull loose	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
336	114		450	SHALE	200	8-10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	250	7¼	58	6
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
409	0°							

From	To	Elapsed Time	REMARKS
12	12¼	¼	RIG SERV.
12¼	3³⁰	3	¼ DRILLING 12¼" S.H.
3³⁰	4		½ TRIP FOR BIT
4	5³⁰	1	½ DRILLING 12¼" S.H.
5³⁰	5⁴⁵		¼ SURVEY
5⁴⁵	6³⁰		¾ DRILLING 12¼" S.H.
6³⁰	7³⁰	1	WORK TIGHT HOLE ON CONN
7³⁰	8		½ DRILLING 12¼" S.H.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	60	58	58	53
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
3	STANDS DP	274.69	FT.
2	SNGLS. DP	61.70	FT.
	D.C. OD		FT.
6	6½ OD	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.80	FT.
	B SUB	1.82	FT.
	Kelly Down	33.80	FT.
	TOTAL	558.00	FT.
WT OF STRING		21,000	LBS.
DRILLER		Bi Nolan	
WEATHER CONDITIONS		FAIR	

BIT RECORD	
Drilling or Core Bit No.	5
TYPE	OSC-3
SIZE	12¼
NOZZ. SIZE	
SERIAL No.	23541
DEPTH IN	
DEPTH OUT	
FT. DRILLED	178
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	10
CONDITION	IN

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
450	108		558		200	8-10
					200	6-7

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	300	7¼	58	7½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
470	1/8°		530	-3/4°				

From	To	Elapsed Time	REMARKS
8⁰⁰	8⁴⁵		¾ DRLG
8⁴⁵	9⁰⁰		¼ SURVEY
9⁰⁰	9¹⁵		¼ RIG SER.
9¹⁵	1¹⁵	4	DRLG
1¹⁵	1³⁰		¼ SURVEY
1³⁰	4⁰⁰	2	½ DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	55	57	60	65
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4700 lbs		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
5	STANDS DP	450.02	FT.
	SNGLS. DP		FT.
	D.C. OD		FT.
6	6½ OD	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.80	FT.
	Bell Sub	1.82	FT.
	Kelly Down	14.53	FT.
	TOTAL	663	FT.
WT OF STRING		23M	LBS.
DRILLER		E. Williams	
WEATHER CONDITIONS		MILD	

BIT RECORD		
Drilling or Core Bit No.	5	
TYPE	OSC-3	
SIZE	12¼	
NOZZ. SIZE		
SERIAL No.	23541	
DEPTH IN	379	
DEPTH OUT		
FT. DRILLED	284	
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	17¼	
CONDITION	IN	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
558	105		663		200	8-9

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	250	7¼	58	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
563	1/8°		628	1/8°				

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵		¼ DRLG 12¼ HOLE
4¹⁵	4⁴³		½ RIG SERV & DEV SURVEY
4⁴³	9¹⁵	4	½ DRLG 12¼" HOLE
9¹⁵	9³⁰		¼ DEV SURVEY
9³⁰	12⁰⁰	2	½ DRLG 12¼" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	67	62	62	65
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	25	Sap	

REPORT No. 5

DATE: AUG 2, 60.

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.
LOCATION: LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO.: 16
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 5 3/4 OD, TYPE THD: F.H.
DRILL PIPE GRADE: 2.3
OPERATOR'S REPRESENTATIVE: J. R. Brown
CONTRACTOR'S TOOL PUSHER: Don Carlson

PUMPS

No.	MANUFACTURER	TYPE
1.	OIL WELL	214-P
2.	" "	"
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn.	Day	Eve.
DRILLING	6¼	7	6½
TRIPPING	¼		
RIG MAINTENANCE	¼	1¼	1¼
RIG REPAIRS	¼		
HOLE SURVEYS	½	¾	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			¾
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL NO.	2
NO. OF LINES	6 SIZE 1 1/16
FEET SLIPPED	1055
FEET CUT OFF	1042
PRESENT LENGTH	2441
TON MI. or TRIPS SINCE LAST CUT	427
CUMULATIVE TON MI. or TRIPS	687
NO. OF DAYS FROM SPUD	1
CUMULATIVE ROTATING HRS.	24 3/4
DAYS SINCE LAST ACCDNT.	163
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	2.90
DAY TOUR	40
EVENING TOUR	39.0

MORNING TOUR

NO.	DRILLING ASSEMBLY		
	STANDS DP		FT.
	SNGLS. DP		FT.
5	D.C. OD 6 1/4	154.69	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	1.97	FT.
	BIT OR C.B.	1.82	FT.
	B Sub		FT.
	Kelly Down	11.53	FT.
	TOTAL	170.00	FT.
WT OF STRING		15,000	LBS.
DRILLER	E. Mill		
WEATHER CONDITIONS	CLEAR & WARM		

BIT RECORD

Drilling or Core Bit No.	1-RR#2	4
TYPE	S3P	S3
SIZE	12¼	12¼
NOZZ. SIZE		
SERIAL No.	321467	360412
DEPTH IN	47'	114'
DEPTH OUT	114'	
FT. DRILLED	67'	56'
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	5½	6¾
CONDITION	6 0 17	1 4

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
114	56		170		200	2-4

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	200	7¼	57	6¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
136	¾°		167	¾°				

From	To	Elapsed Time	REMARKS
12 00	12 15	¼	RIG SERV.
12 15	12 30	¼	TRIP FOR BIT
12 30	12 45	¼	WORK ON PUMP
12 45	2 45	2	DRILLING 12¼" S.H.
2 45	3 00	¼	SURVEY
3 00	7 00	4	DRILLING 12¼" S.H.
7 00	7 15	¼	SURVEY
7 15	8 00	¾	DRILLING 12¼" S.H.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	47	45	45	49
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		
1	STANDS DP	3010	FT.
	SNGLS. DP		FT.
6	D.C. OD 6 1/4	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
B'ell	SUBS OD	1.82	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down	3889	FT.
	TOTAL	256.00	FT.
WT OF STRING		18,000	LBS.
DRILLER	R. Nolan		
WEATHER CONDITIONS	SUNNY MILD		

BIT RECORD

Drilling or Core Bit No.	4
TYPE	S3
SIZE	12¼
NOZZ. SIZE	360412
SERIAL No.	
DEPTH IN	56'
DEPTH OUT	
FT. DRILLED	142
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	12 3/4
CONDITION	1 N

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
170	86		256	SHALE	200	6-8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	225	7¼	58	6
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
195	1/8°		225	-½°				

From	To	Elapsed Time	REMARKS
8 00	8 15	¼	RIG SERV.
8 15	10 00	1¾	DRILL 12¼" SH.
10 00	10 30	½	SURVEY
10 30	1 00	2½	DRLG
1 00	1 15	¼	SURVEY
1 15	4 00	2¾	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	45	47	50	53
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000#		
DEFOAM	100*		

EVENING TOUR

NO.	DRILLING ASSEMBLY		
1	STANDS DP	90.86	FT.
1	SNGLS. DP	30.75	FT.
6	D.C. OD 6 1/4	185.19	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.	.80	FT.
Bell Sub		1.82	FT.
	Kelly Down	24.61	FT.
	TOTAL	336.00	FT.
WT OF STRING		19M	LBS.
DRILLER	L. Williams		
WEATHER CONDITIONS			

BIT RECORD

Drilling or Core Bit No.	4
TYPE	S3
SIZE	12¼
NOZZ. SIZE	
SERIAL No.	360412
DEPTH IN	114'
DEPTH OUT	
FT. DRILLED	224
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	18 1/4
CONDITION	1 N

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
256	80		336	Shale	200	8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	225	7¼	58	6½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
256	¼°		319	0°				

From	To	Elapsed Time	REMARKS
4 00	4 30	½	RIG SERV & DEV SURVEY
4 30	6 30	2	DRLG 12¼" HOLE
6 30	7 15	¾	WORK TIGHT HOLE ON CONN
7 15	10 15	3	DRLG 12¼ HOLE
10 15	10 30	¼	DEV SURVEY
10 30	1 00	1½	DRLG 12¼ HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	52	50	60	63
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		

REPORT No. 4

DATE Aug 1 68

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Point Seperation | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD / TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: J. R. Brown | CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			4½
TRIPPING			
RIG MAINTENANCE			¼
RIG REPAIRS			3
HOLE SURVEYS			¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT	8	7	
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			8

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	

NO. OF DAYS FROM SPUD	1
CUMULATIVE ROTATING HRS.	5½
DAYS SINCE LAST ACCDNT.	164
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	289
DAY TOUR	39
EVENING TOUR	389

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & warm

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 MN	8 AM	8 HR	W. O. C. Rig Rat Hole & Mouse Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	1 BRR
	SNGLS. DP	FT.	TYPE	S3P
1	D.C. OD / OD	3096 FT.	SIZE	12¼
			NOZZ. SIZE	3-3-469
	RMR BODY OD	FT.	SERIAL No.	321469
	STB BODY OD	FT.	DEPTH IN	47
	SUBS OD	197 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	23
	B SUB	182 FT.	FT. REAMED	
	Kelly Down	3470 FT.	FT. CORED	
	TOTAL	70.25 FT.	CUM. HRS. RUN	1
	WT OF STRING	LBS.	CONDITION	IN

DRILLER: Ed Phelan

WEATHER CONDITIONS: Cool Rain

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
47	23		70		80-150	L

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	200	7¼	58	1
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 AM	3 PM	7	WOC Dig Mouse Hole Prepare To Spud
3 PM	4 PM	1	Drill 12¼" Hole

(SPUD IN @ 3 PM JULY 31)

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	1B RR
	SNGLS. DP	FT.	TYPE	S3P
2	D.C. OD	9270 FT.	SIZE	12¼
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	321469
	STB BODY OD	FT.	DEPTH IN	47
	SUBS OD	1.97 FT.	DEPTH OUT	
	BIT OR C.B.	180 FT.	FT. DRILLED	67
	B SUB	1.82 FT.	FT. REAMED	
	Kelly Down	16.71 FT.	FT. CORED	
	TOTAL	114.00 FT.	CUM. HRS. RUN	5½
	WT OF STRING	LBS.	CONDITION	IN

DRILLER: B Williams

WEATHER CONDITIONS: RAINING THEN CLOUDED

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
70	44		114	Shale	80-150	1+2

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	200	7¼	56	4½
PUMP No. 2	150	7¼	58	3

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
100'	½							

From	To	Elapsed Time	REMARKS
4 AM	4½	¼	Rig Serv
4½	5 AM	¾	Drlg 12¼" Hole
5 AM	8 AM	3	Circ & Mix Mud & Work On Pump
8 AM	10 AM	2	¾ Drlg 12¼" Hole
10 AM	11 AM	¼	Dev Survey
11 AM	12 AM	1	Drlg 12¼" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	32	35	45	48
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2200#		
Water			

REPORT No. 3 DATE: July 31, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Point Separation #1 | No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: G. R. Brown | CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
20"	Conductor	0	46'		45 Sax	150# CaCl2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT		8	
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS		8	
TOTAL HOURS		8	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	388
DAY TOUR	289
EVENING TOUR	38

MORNING TOUR

NO.	DRILLING ASSEMBLY	FT.
STANDS	DP	
SNGLS.	DP	
D.C.	OD	
	OD	
RMR BODY	OD	
STB BODY	OD	
SUBS	OD	
BIT OR C.B.		
Kelly Down		
TOTAL		
WT OF STRING		LBS.

DRILLER: B. Williams

WEATHER CONDITIONS: Wet

BIT RECORD

Drilling or Core Bit No.	3
TYPE	OSC2
SIZE	24"
NOZZ. SIZE	
SERIAL No.	206
DEPTH IN	0
DEPTH OUT	47
FT. DRILLED	47
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	3 3/4
CONDITION	Good.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1500	1615	1/4	PUT ON 24" BIT
1615	2000	2 3/4	REAM 17 1/4 - 24" HOLE
2000	2100	1	COND HOLE & BAIL OUT CELLAR
2100	2300	2	JET OUT HOLE PRIOR TO CEMENTING
2300	0000	1	RUN IN & CEMENT CONDUCTOR PIPE
0000	0100	1	W.O.C

Cement w/45 sx set at 35' out of 20" Conductor pipe set at 47' K.B.

DAY TOUR

NO.	DRILLING ASSEMBLY	FT.
STANDS	DP	
SNGLS.	DP	
D.C.	OD	
	OD	
RMR BODY	OD	
STB BODY	OD	
SUBS	OD	
BIT OR C.B.		
Kelly Down		
TOTAL		
WT OF STRING		LBS.

DRILLER: E. Mill

WEATHER CONDITIONS: Cloudy & Cool

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
0800	1400	6	W.O.C. AROUND CONDUCTOR PIPE

EVENING TOUR

NO.	DRILLING ASSEMBLY	FT.
STANDS	DP	
SNGLS.	DP	
D.C.	OD	
	OD	
RMR BODY	OD	
STB BODY	OD	
SUBS	OD	
BIT OR C.B.		
Kelly Down		
TOTAL		
WT OF STRING		LBS.

DRILLER: H. Nolan

WEATHER CONDITIONS: Cloudy & warm

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1400	1200		WOC

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
~~Gyp~~ N	~~150 lbs~~	CaCl	

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. 2

DATE: July 30, 60

DAILY DRILLING REPORT

OPERATOR

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPARATION No. 1

PROVINCE: Alta

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.

DRILL PIPE STRING NO. SIZE

TOOL JOINT OD / TYPE THD.

DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: J. R. Brown.

CONTRACTOR'S TOOL PUSHER: Wm Parker

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Mom	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS C HOLE			7
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			8

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	387
DAY TOUR	287
EVENING TOUR	34

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12 Noon	12 Mn	12	RIG UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER B. Mill

WEATHER CONDITIONS WARM.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8 Mn	4 Mn	8	Rig up.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	Drilling or Core Bit No.	RR1	RR2
	SNGLS. DP	FT.	TYPE	SEC	REED.
	D.C. OD	FT.	SIZE	12 1/4	17 1/2
	OD	FT.	NOZZ. SIZE		
	RMR BODY OD	23.5 FT.	SERIAL No.	321469	R.940
	STB BODY OD	FT.	DEPTH IN	0	0
	SUBS OD	9.27 FT.	DEPTH OUT	46	48
	BIT OR C.B.	FT.	FT. DRILLED	46	48
		FT.	FT. REAMED		
	Kelly Down	3800 FT.	FT. CORED		
	TOTAL	4800 FT.	CUM. HRS. RUN		
WT OF STRING		LBS.	CONDITION		

DRILLER H Holgan

WEATHER CONDITIONS wet

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
0			48			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
4 00	6 00	2	MIXING GEL
6 00	9 00	3	DRILL 12 "4" CONDUCTOR HOLE
9 00	9 30	1/2	CHECK #1 PUMP
9 30	10 00	1/2	DRILL
10 00	11 30	1 1/2	REAM 12 1/4" TO 17 1/4" HOLE.
11 30	12 00	1/2	MAKE UP 24" BIT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4200#		
PLASTER	50#		
LIME	75#		

REPORT No. 1

DATE: JULY 29, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPERATION No. 1

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE:

TOOL JOINT OD / TYPE THD.:

DRILL PIPE GRADE:

OPERATOR'S REPRESENTATIVE: J. P. Brown

CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB-TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES — SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	161
DRILLER ACCDNT: FREE DAYS	
MORNING TOUR	286
DAY TOUR	286
EVENING TOUR	36

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: L. Mill

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:00	12.		RIGGING UP.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: B Williams

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
8:00	4:00	8		RIGGING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: N. Holan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:00	12	00	TIGGING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No.

DATE: July 28, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPARATION No. 1 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE | CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	285
DAY TOUR	35
EVENING TOUR	385

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E Mills

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
			RIGGING UP & PUMPING FUEL

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: Pd Nolan

WEATHER CONDITIONS: Sunny Mild

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12⁰⁰	12⁰⁰	12⁰⁰	RIGGING UP RAISE DERICK
			CEMENT BOTM. OF CELLAR

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B Williams

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
10⁰⁰	10⁰⁰	12	RIGGING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. .....

DATE: July 27/60

DAILY DRILLING REPORT

OPERATOR

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME POINT SEPARATION No. 1 NWT

PROVINCE

CONTRACTOR **PETER BAWDEN DRILLING LIMITED**

RIG NO.

DRILL PIPE STRING NO. SIZE

TOOL JOINT OD / TYPE THD.

DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	159
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	264
DAY TOUR	34
EVENING TOUR	984

MORNING TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	
	SNGLS. DP	
	D.C. OD	
	OD	
	RMR BODY OD	
	STB BODY OD	
	SUBS OD	
	BIT OR C.B.	
	Kelly Down	
	TOTAL	
	WT OF STRING	LBS.

BIT RECORD

Drilling or Core Bit No	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
			RIGGING UP & PUMPING FUEL OFF.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	
	SNGLS. DP	
	D.C. OD	
	OD	
	RMR BODY OD	
	STB BODY OD	
	SUBS OD	
	BIT OR C.B.	
	Kelly Down	
	TOTAL	
	WT OF STRING	LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER R. J. Nolan

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1200	1700		RIGGING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	
	SNGLS. DP	
	D.C. OD	
	OD	
	RMR BODY OD	
	STB BODY OD	
	SUBS OD	
	BIT OR C.B.	
	Kelly Down	
	TOTAL	
	WT OF STRING	LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER B. Williams

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
1600	0000	12	RIGGING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. .....

DATE: July 26/60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.

LOCATION: LSD. SEC. TWP. 7 RGE. W.

WELL NAME: POINT SEPERATION No. 1

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16

DRILL PIPE STRING NO. SIZE | TOOL JOINT OD / TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	15-8
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	283
DAY TOUR	383
EVENING TOUR	3-

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00	12:00	PUMP FUEL FROM BARGE. LAY MATTING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Williams

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00	12:00	RIGGING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: R. Nolan

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
12:00	10:00	10:00	LAY MATTING PUT SUBS TOGETHER PUT DRUM'S & COMPOUND UP SPOT PUMP'S
10:00	12:00	2	MOVE R.O.G. PLANKS & PILING'S

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. _____

DATE: JULY 25, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED

RIG NO.: 16.

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: Doug Parker

DRILL PIPE STRING NO. SIZE | TOOL JOINT OD / TYPE THD. | DRILL PIPE GRADE

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: POINT SEPERATION No. 1

PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	157
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	282
DAY TOUR	382
EVENING TOUR	32

MORNING TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
	WT OF STRING	LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: L. Mill

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00	12:00	WORK ON FUEL TANKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
	WT OF STRING	LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: H. "Doc" Holan

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00	12:00	WORK ON FUEL TANKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
	WT OF STRING	LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: B. Williams

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00		WORK ON FUEL TANKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No.

DATE: JULY 24, 60

DAILY DRILLING REPORT

OPERATOR: RICHFIELD OIL CORP
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: POINT SEPERATION No. 1
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRILLING LIMITED
RIG NO. 16
DRILL PIPE STRING NO. SIZE
TOOL JOINT OD / TYPE THD.
DRILL PIPE GRADE
OPERATOR'S REPRESENTATIVE
CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUS TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	156
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	281
DAY TOUR	381
EVENING TOUR	31

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill
WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	4:30	8 :30	WORK ON FUEL TANKS
4:30	8:00	4 :00	LEVEL BUNK HOUSES & COOK SHACK.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: H. "Doc" Holan
WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00	12	WORK ON FUEL TANKS
			CHANGING HEADS & LINERS IN #1 & #2 PUMPS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: B. Williams
WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8:00	8:00	12	WORK ON FUEL TANKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. _____ DATE: July 23, 60.

DAILY DRILLING REPORT

OPERATOR: BIGHFIELD OIL CORP. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: POINT SEPERATION | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD / TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE | CONTRACTOR'S TOOL PUSHER: Doug Parker

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

MORNING TOUR

TIME DISTRIBUTION—HOURS

	Mom	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning to Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

DRILLING ASSEMBLY

NO.			FT.
	STANDS	DP	FT.
	SNGLS.	DP	FT.
	D.C.	OD	FT.
		OD	FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD

Drilling or Core Bit No	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: B. Mill

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8AM	8PM	12 hrs	CUT LOGS FOR UNDER FUEL TANKS & LAY BASE FOR FUEL TANKS.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY

NO.			FT.
	STANDS	DP	FT.
	SNGLS.	DP	FT.
	D.C.	OD	FT.
		OD	FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: P Holan

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8AM	8PM	12 hrs	CLEANING STORE ROOMS ETC. WORK ON FUEL TANKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY

NO.			FT.
	STANDS	DP	FT.
	SNGLS.	DP	FT.
	D.C.	OD	FT.
		OD	FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: B Williams

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
8PM	8AM	12 hrs	ERECTING FUEL TANKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

WIRE LINE RECORD

REEL NO.	
NO. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	155
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	280
DAY TOUR	30
EVENING TOUR	380

REPORT No. .....

DATE: July 22. 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Corp. | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Point Seperation | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16. | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD / TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE | CONTRACTOR'S TOOL PUSHER: Doug Baker

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

MORNING TOUR

NO.	DRILLING ASSEMBLY		FT.
	STANDS	DP	FT.
	SNGLS.	DP	FT.
	D.C.	OD	FT.
		OD	FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: L. Mills

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
			Travelling from Edmonton to Inuvik & Rig.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		FT.
	STANDS	DP	FT.
	SNGLS.	DP	FT.
	D.C.	OD	FT.
		OD	FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER: Ed Holan

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
			Travelling from Edmonton

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		FT.
	STANDS	DP	FT.
	SNGLS.	DP	FT.
	D.C.	OD	FT.
		OD	FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	FT.
	BIT OR C.B.		FT.
			FT.
	Kelly Down		FT.
	TOTAL		FT.
WT OF STRING			LBS.

BIT RECORD: Drilling or Core Bit No. | TYPE | SIZE | NOZZ. SIZE | SERIAL No. | DEPTH IN | DEPTH OUT | FT. DRILLED | FT. REAMED | FT. CORED | CUM. HRS. RUN | CONDITION

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
			Travelling from Edmonton

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	
DAY TOUR	
EVENING TOUR	

REPORT No. 1 DATE: July 21, 60

DAILY DRILLING REPORT

OPERATOR: Richfield Oil Co | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Point Seperation | No. 1 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING LIMITED | RIG NO. 16 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD / TYPE THD. | DRILL PIPE GRADE

PUMPS No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: Doug Parker

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP AND DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	154
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	279
DAY TOUR	379
EVENING TOUR	

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: E. Mill

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS
			CLEAN UP BUNK HOUSES. UNLOAD AIR PLANES.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DEPT. OF MINES & TECHNICAL SURVEYS & NATIONAL RESOURCES
CALGARY, ALBERTA
AUG 17 1960
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

From	To	Elapsed Time	REMARKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

REPORT No. .....

DATE: July 21, 60