

Drilling Authority No. 446
Date Issued 11-8-70

WELL NAME McD CAN G. CO. S Maids Creek G-1

FIELD Area:

LOCATION: Unit G Section 56 Grid 65-40-128-00
Latitude 65-35-26 Longitude 128-10-17
U.W.L.R. 3000566540128000
U.W.I. 65.59055 — 128.17139

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
11-8-70	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
17/9/70	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
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	Well Inspection Report.
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	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale..... Small scale.....

Drilling Authority No. 446
Date Issued Aug. 11/70

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

WELL COMPLETION DATA

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.

Well name and number: McD Can GCO S. Maida Creek G-56

Permit No. 4382

Lease No. _____

J. Ray McDermott, General Crude Oil

Exploratory Licence No. J. Ray McD 1666, GCO 1398

(Permitter, Licensee, Lessee)

Canada Ltd.

J. Ray McDermott Canada, Ltd.

Exploratory Licence No. 1666

(Orientation)

Location: Unit G

Section 56

Grid 65°40', 128°00'

Latitude 65°35'26"

Longitude 128°10'17"

From Established Reference Marker.....300G566540128000

Universal Well Location Reference Lat. 65.59055°; Long 128.17139°

	DATE	DEPTH	Pool(s)
Spudded	Aug. 25/70		Interval(s) open to production
Suspended			
Resumed Operations			
Finished Drilling	Sept. 6/70	2105'	
Deepened			Elevation: Gr. 375' K.B. 388'
Complete (gas/oil)			Rig No. IE
Abandoned	Sept. 8/70		Drilling Contractor S&T Drilling
Rig released	Sept. 9/70		Contractor's Business Licence No. 798

CASING RECORD

	Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	13 3/8"	H-40	48#	3 Jts.	95'	200 + 3% CaCl + 10 sacks Cal-seal
2.	8 5/8"	J-55	24#	14 Jts.	520'	350 + 3% CaCl
3.						
4.						
5.						
6.						

[illegible]

SERVICING RECORD (ACIDULING, FERTILIZING, ETC.)

Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
1) Sept 8/ 70	2105	1700	Cement w/ 100 sacks + 3% CaCl. Felt plug @ 1680'								
2) Sept 8/ 70	600	480	Cement w/ 50 sacks + 2% CaCl. Felt plug @ 470'								
3) Sept 8/ 70	Surface		Cement w/ 10 sacks. Welded on 2" plate, collar & well name.								

DRILL STEM TESTS

[illegible]

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
	Core #1	1697	1751	Canol-Kee Scarp	51'
	Core #2	1751	1805	Kee Scarp	52.5'
	Core #3	1805	1856	Kee Scarp	50'

PRESENT STATUS OF WELL

Oil			
Gas			
Dry	JAA		
Susp.			

Company J. Ray McCervott Canada, Ltd.

Signed by:

Title Canadian Area Manager

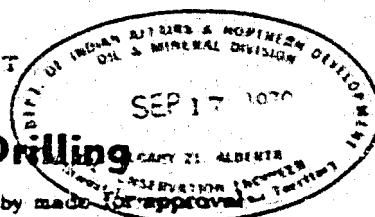
Date October 30, 1979

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineers, Calgary, Alberta.



File No. 446
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION



Application to Abandon a Well or Suspend Drilling

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

Name and number of well MCD Can GCO S Maida Creek G-56
Location: Unit G Section 56 Grid 65°40', 128°00'
Latitude 65°35'26" Longitude 128°10'17"
From Established Reference Marker
Universal Well Location Reference Lat. 65.59055° Long 128.17139°
Permit No. 4382 Lease No.

General Crude Oil Alberta Ltd. ; J. Ray McDermott Canada Ltd.
(Permitter, Licensee, Lessee)

Date of commencement of proposed program August 25, 1970

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at
Gas at
Water at
Total Depth 2105
Present condition of well D&A
Date of last operations September 8, 1970

CASING RECORD

Casing Size O.D. (inches)	Weight	Amount	Set At	Sacks of Cement and Additives	Amount Pulled
1. 13 3/8"	48#	3 JTS	95'	200 + 3% CaCl - Tailed in w/ 10 sxs	
2. 8 5/8"	24#	14 JTS	520'	350 w/ 3% CaCl	Calseal
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	2105-1700	Kee Scarp	100 + 3% CaCl	Felt @ 1685'
2	600-480	Cret.	50 + 2% CaCl	Felt @ 470'
Surf.			10	Welded on plate, 2" collar, pipe and well name

The following logs have been run IES, BSGR, MLC
Other operations proposed Set surface plug with 5 foot stand pipe and name plate

Operations to be carried out by S&T Drilling Contractor Licence No. 798
Address Edmonton, Alta. Address
Responsible Agent in field J.R. Wyman (V.H. Hunter & Assoc.)
Dated at Calgary this 11th Day of September 19 70
Signed by J. Ray McDermott Company J. Ray McDermott Canada Ltd.
Title Cdn Area Manager Operator's Exploratory Licence No. 1666

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given on the 2th September 1970
by Mr. B.H.J. Thoms.

Dated 17th September 19 70

[Signature]
Oil Conservation Engineer

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

Drilling Authority No. 446
Project No.
File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

MAIDA
Name and number of well MCD CAN G. CO S/CREEK G-56
Location: Unit 6 Section 56 Grid 65° 40 12800
Latitude 65° 35' 26" Longitude 128° 10' 17"
Unique Well Identifier 3000566540128000
Universal Well Location Reference Lat. 65.59055° Long. 128.17139°
Elevation: Ground 369 K.B. 382 feet above sea-level.
Well is expected to produce from KEE SCARP formation at a depth
of about 2000 feet. Expected total final depth 4000
Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4382 Lease No. Acreage 26.449
Permittee, licensee, or lessee J. Ray McDermott Canada Ltd., General Crude Oil Alberta Ltd.
Exploratory Licence No. 1666 1398
Surface owned by Crown or Crown

(If allocated submit name and address of owner and consent.)

Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Notes of Cement
1. 13 3/8"	48	H40	New	120'	125 Gyp Seal & Portland
2. 8 5/8"	36	J55	New	800'	280 Fondu
3. 7"	23	J55	New	2500'	170 Portland
4.					200 sacks Portland
5.					

Expected water, gas, and oil horizons and type of control equipment. KEE SCARP 2082'
Case Off Bear Rock 3360 - Control Drill
10" 900 Series GK Hydril & 10" 900 Series Snaffer Hydraulic

Well will be drilled with Rotary Rig No. IE by S & T Drilling Co. (Western) Ltd.
(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. 798
At well J. Hyman At registered office V.H. Hunter & Associates
Address c/o Norman Wells Address P.O. Box 5853, Edmonton
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Calgary this 11th day of August 19 70
Signed by [Signature] Company J. Ray McDermott Canada Ltd.
Title Division Landman Operator's Licence No. 1666

(For Oil and Mineral Division use only)

APPROVED

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

- The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
- During well drilling and testing operation every effort shall be made to ensure
Dated 11th August 19 70 Please see over page

Oil Conservation Engineer

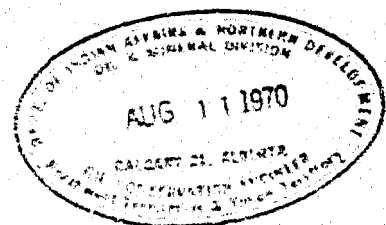
Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

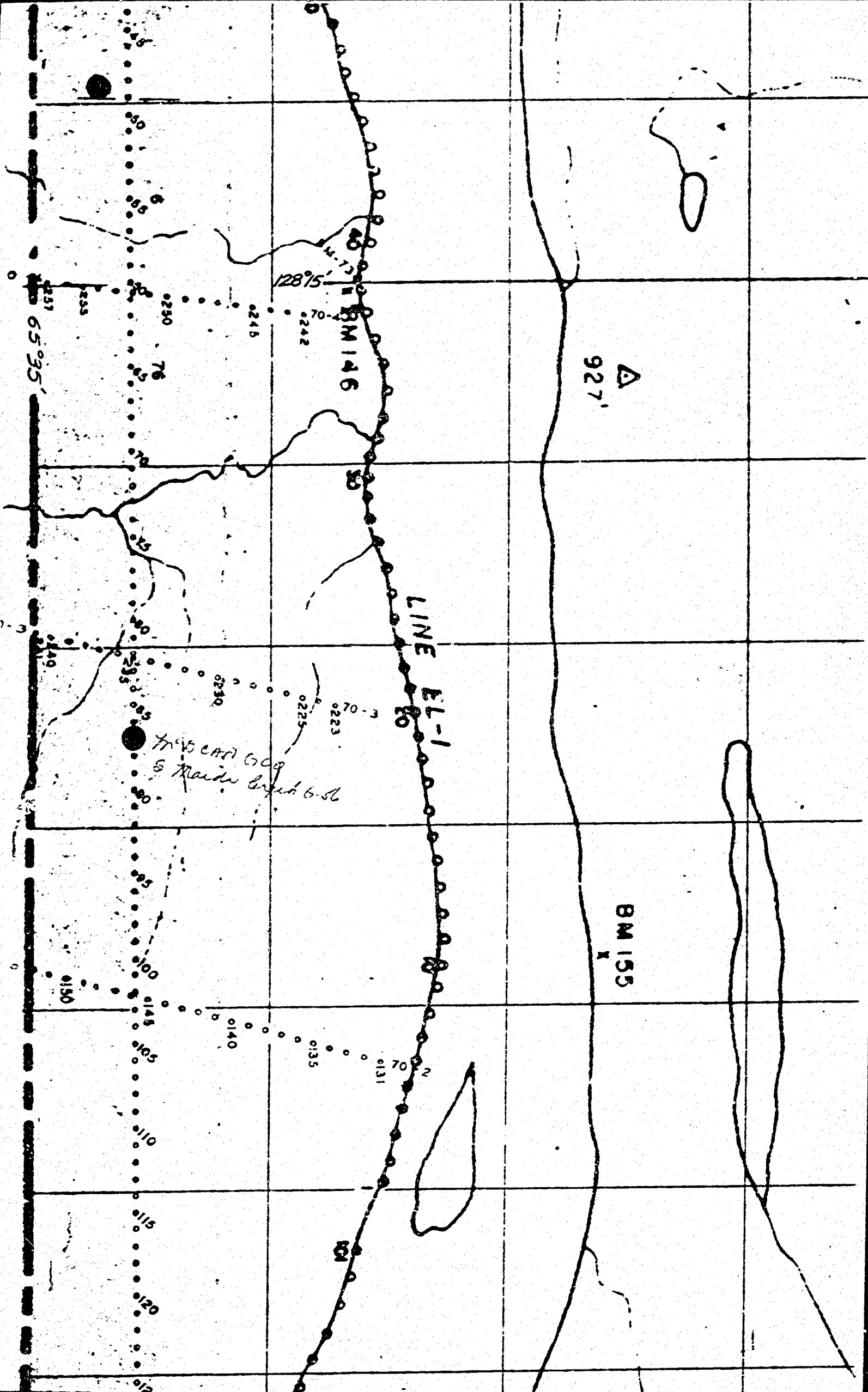
that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
4. Production casing is to be approved by the Oil Conservation Engineer before it is run.

B.H.J. Thoms

B.H.J. Thoms, Oil Conservation Engineer





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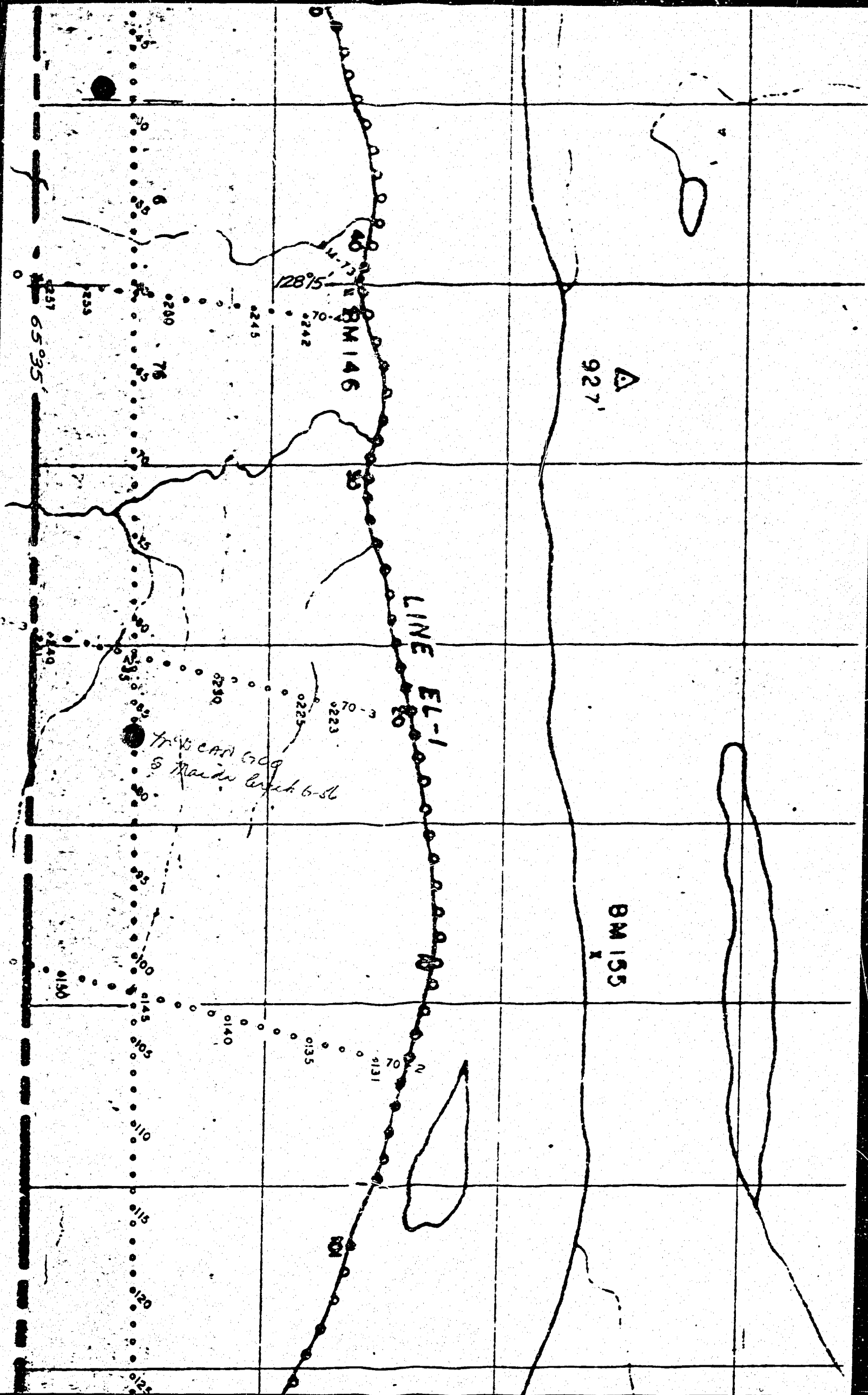
BM 146

927

LINE EL-1

BM 155

Tr. Bear Gap
S. Maiden Creek 6-56





File No.
Drilling Authority No. 446

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: Norman Wells Date: 11th July 1971

TO: The Oil Conservation Engineer:

RE: McD Can GCO S. Maide Ck G-56 100-65-108-00

Location: 65.59055°N., 128.17139°W. Status: D & A August 1970

This location was inspected by the undersigned on 11th July 1971

The location is in satisfactory ~~condition~~ condition.

T.D. 2105'

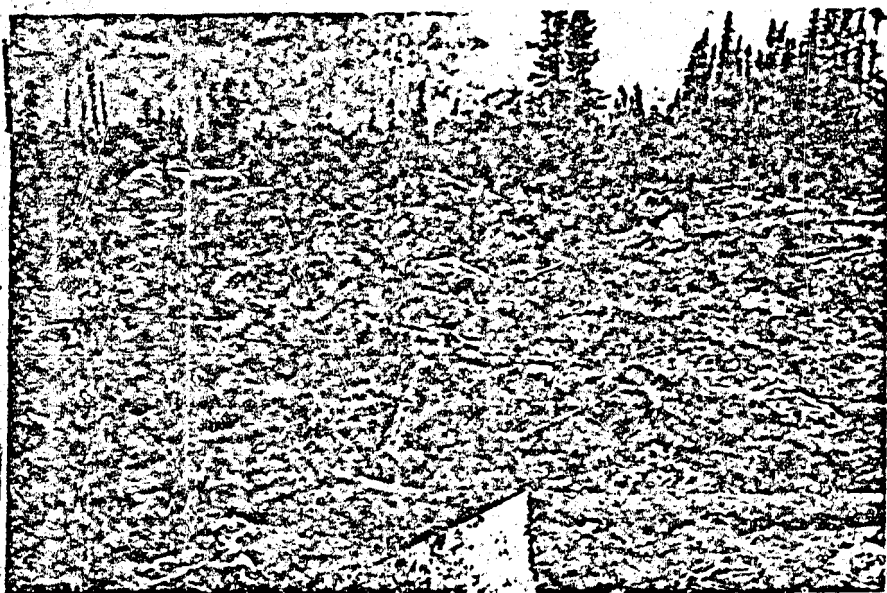
The following items require attention:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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

Very rough ground left - tree stumps and dirt piled and flattened.

Most of stuff left is degradable - some plastic sheeting left.



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)

632-11-6

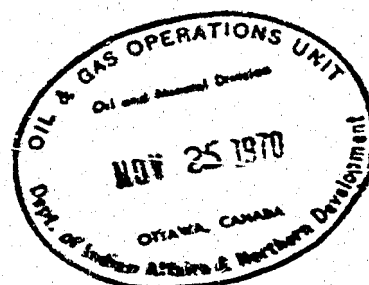


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SECTION I - SUMMARY OF WELL DATA

- (a) WELL NAME AND NO: McD Can GCO Maida Creek S. G-56
- (b) LICENCEE: J. Ray McDermott Canada, Ltd.
General Crude Oil Alberta Ltd.
- (c) OPERATOR: J. Ray McDermott Canada, Ltd.
217 Royalite Building
Calgary 2, Alberta
- (d) LOCATION: Unit G, Section 56, Grid 65°40', 128°00'
Latitude 65°35'26", Longitude 128°10'17"
Unique Well Identifier: 300 G 566540128000
Universal Well Location Reference No.
Lat. 65.590550, Long 128.171390
- (e) CO-ORDINATES: Halfway between Shot Point 88 and 89 on
McD-GCO Seismic Line 70-1
- (f) PERMIT NO: 4382
- (g) DRILLING CONTRACTOR: S&T Drilling Rig #1E
Drawworks - National 50A
Mast - Lee C. Moore 131'
Pumps - 2 National K-380
Motors - 750 HP GE
- 2 Cat D379 (550 HP)
Blow-Out Preventors - 10" 900 Series
G.K. Hydril
10" 900 Series
Schaeffer Hydraulic
Rams
- (h) DRILLING AUTHORITY: 446 granted August 11, 1970

(i) CLASSIFICATION: New Field Wildcat

(j) ELEVATIONS: Ground 375'
K8 388

(k) SPUDDED: 6:00 PM, August 25, 1970

(l) COMPLETED DRILLING: September 6, 1970

(m) TOTAL DEPTH: 2105 (Driller, BHC/GR, IES) 2104 (MLC)

(n) WELL STATUS: D&A

(o) RIG RELEASE DATE: 8 AM September 9, 1970

(p) HOLE SIZES TO TOTAL DEPTH: 17½" @ 0-95', 12½" @ 95-520',
7 7/8" @ 520-2105'

(q) CASING:

Conductor: Ran 3 joints 13 3/8" 48# H-40 casing and cemented with 200 sacks plus 3% CaCl plus 10 sacks Cal Seal. Plug down. Set @ 95'

Surface: Ran 14 joints 8 5/8" 24# J-55 casing and cemented with 350 sacks plus 3% CaCl. Plug down @ 7:30 PM August 30, 1970. Set @ 520'

SECTION II - GEOLOGICAL SUMMARY

(a) TABLE OF GEOLOGICAL FORMATIONS:

KB Elevation 388'

<u>FORMATION</u>	<u>SAMPLE DEPTH</u>	<u>E-LOG DEPTH</u>	<u>SUBSEA ELEVATION</u>
Basal Cret. Sand	880	900	-512
UPPER DEVONIAN			
Imperial Formation	920	915	-527
Canol Formation	1680	1690	-1302
MIDDLE DEVONIAN			
Kee Scarp Reef	1737	1738	-1350
Kee Scarp Platform	1930	1920	-1532
Hare Indian Shale	2030	2017	-1629

(b) CORED INTERVALS:

<u>CORE NO.</u>	<u>INTERVAL</u>	<u>FORMATION</u>	<u>RECOVERY</u>
1	1697-1751	Canol-Kee Scarp	51'
2	1751-1805	Kee Scarp	52.5'
2	1805-1856	Kee Scarp	50'

(c) CORE DESCRIPTION:

- 1697-1706: Shale; black, bituminous fissile, bedding planes dip at from 5 to 10 degrees. One rounded bulbous stromatoporoid at 1750 ft. with shale beds above and below differentially compacted.
- 1706-1708: Calcarenite; light brown, composed of medium and coarse grained crinoid debris; beds dip at from 5 to 10 degrees.
- 1708-1727: Shale, black bituminous fissile with rare $\frac{1}{2}$ to 1 in. beds of calcarenite composed of fine grained crinoid? debris; beds dip at from 15 to 20 degrees. Pyrite common in elongate blebs along bedding planes.
- 1727-1737: Calcarenite; brown to light brown, composed of medium grained crinoid and other fossil debris; thin intercalations of black bituminous fissile shale; beds dip at from 15 to 20 degrees.
- 1737-1761: Calcarenite; light brown, composed of poorly sorted fine grained fossil debris; thick-shelled brachiopods, crinoid ossicles, and dendroid stromatoporoid fragments; Thamnopora trace; very fine intergranular porosity.

- 1761-1798: Calcirudite; light brown, composed of dendroid stromatoporoids 25%, fragmented subspherical stromatoporoids 15%, tabular stromatoporoids 10% of rock; crinoid ossicles common; thick-shelled brachiopods and Thamnopora rare; matrix of fine grained fossil debris, pellets, and sparry calcite; trace of very fine intergranular porosity.
- 1798-1805: Calcirudite; light brown, composed of subspherical stromatoporoids 50% of rock; matrix of fine grained fossil debris and rarely sparry calcite; rare very fine intergranular porosity.
- 1805-1806: Calcarenite; brown bituminous, composed of fine grained pellets and fine-grained fossil debris; vague boudins.
- 1806-1856: Calcirudite; light brown, composed of irregular and fragmented dendroid stromatoporoids 30%, tabular stromatoporoids 10%, subspherical stromatoporoids 20% of rock; fragmented dendroid corals rare to common; matrix of fine grained fossil debris and in places abundant sparry calcite; fragmented and whole crinoid ossicles common; very fine intergranular porosity and oil staining common.

CORING TIMES:

Core #1: Bit No. FC6018, Size 6 7/32, Drill Pipe 4", Collars 6, ID 2 7/8, Mud Wt. 9.5, Viscosity 39, WL 5.6, Hole Size 7 7/8, Csg. 8 5/8 surface, Cut 54, Rec. 54'

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1698	12:05	12	2-10	80
1699	12:17	10	2-10	80
1700	12:27	9	2-10	80
1701	12:36	9	14	100
1702	12:45	9	14	100
1703	12:54	8	14	100
1704	1:02	9	14	100
1705	1:11	9	14	100
1706	1:20	7	14	100
1707	1:27	7	14	100
1708	1:34	9	14	100
1709	1:43	9	14	100
1710	1:52	10	14	100
1711	2:02	10	14	100
1712	2:12	8	14	100
1713	2:20	7	14	100
1714	2:27	7	14	100
1715	2:34	9	14	100
1716	2:43	8	14	100
1717	2:51	7	14	100
1718	2:58	6	14	100
1719	3:04	6	14	100
1720	3:10	6	14	100
1721	3:18	8	14	100
1722	3:26	8	14	100
1723	3:35	9	14	100
1724	3:43	8	14	100
1725	3:52	9	14	100
1726	4:00	8	14	100
1727	4:09	9	14	100
1728	4:17	8	14	100
1729	4:23	6	14	100
1730	4:29	6	14	100

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1731	4:35	6	14	100
1732	4:52	7	14	100
1733	4:58	6	14	100
1734	5:04	6	14	100
1735	5:11	7	14	100
1736	5:17	6	14	100
1737	5:24	7	14	100
1738	5:31	7	14	100
1739	5:37	6	14	100
1740	5:44	7	14	100
1741	5:52	8	14	100
1742	6:00	8	14	100
1743	6:09	9	14	100
1744	6:18	9	14	100
1745	6:25	8	14	100
1746	6:31	6	14	100
1747	6:39	8	14	100
1748	6:47	8	14	100
1749	6:54	7	14	100
1750	7:00	6	14	100
1751	7:07	7	14	100

Core #2: Bit No. FC6018, Type Diamond, Size 6 7/32, Drill Pipe 4",
Collars 6, ID 2 7/8, Mud Wt. 8.8, Viscosity 53, WL 6.2,
Hole Size 7 7/8, Csg. 520' 8 5/8 surface

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1752	9:09	11	6	80
1753	9:19	10	6	80
1754	9:29	10	6	80

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1755	9:36	7	14	100
1756	9:43	7	14	100
1757	9:50	7	14	100
1758	9:56	6	14	100
1759	10:01	5	14	100
1760	10:06	5	14	100
1761	10:11	5	14	100
1762	10:16	5	14	100
1763	10:21	5	14	100
1754	10:35	5	14	100
1765	10:43	8	14	100
1766	10:49	6	14	100
1767	10:56	7	14	100
1768	11:03	7	14	100
1769	11:11	8	14	100
1770	11:17	6	14	100
1771	11:24	7	14	100
1772	11:32	8	14	100
1773	11:39	7	14	100
1774	11:47	8	14	100
1775	11:55	8	14	100
1776	12:02	7	14	100
1777	12:09	7	14	100
1778	12:16	7	14	100
1779	12:24	8	14	100
1780	12:31	7	14	100
1781	12:38	7	14	100
1782	12:45	7	14	100
1783	12:52	7	14	100
1784	12:58	6	14	100
1785	1:05	7	14	100
1786	1:12	7	14	100
1787	1:18	6	14	100

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1788	1:25	7	14	100
1789	1:30	5	14	100
1790	1:35	5	14	100
1791	1:41	6	14	100
1792	1:46	5	14	100
1793	1:51	5	14	100
1794	1:56	5	14	100
1795	2:02	6	14	100
1796	2:20	5	14	100
1797	2:25	5	14	100
1798	2:31	6	14	100
1799	2:37	6	14	100
1800	2:43	6	14	100
1801	2:50	7	14	100
1802	2:56	6	14	100
1803	3:03	7	14	100
1804	3:10	7	14	100
1805	3:16	6	14	100
1806	End of Core			

Core #3: Bit No. FC6018, Type Diamond, Size 6 7/32, Drill Pipe 4",
Collars 6, ID 2 7/8, Mud Wt. 8.7, Viscosity 50, WL 5.2,
7 7/8" Hole Size, Csg. 520' with 8 5/8" surface.

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1806	2:41	9	2-10	80
1807	2:48	7	2-10	80
1808	2:54	6	14	100
1809	3:00	6	14	100
1810	3:05	5	14	100
1811	3:11	6	14	100
1812	3:18	7	14	100
1813	3:24	6	14	100

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1814	3:31	7	14	100
1815	3:37	6	14	100
1816	3:43	6	14	100
1817	3:49	6	14	100
1818	3:54	5	14	100
1819	4:01	7	14	100
1820	4:06	5	14	100
1821	4:13	7	14	100
1822	4:18	5	14	100
1823	4:25	7	14	100
1824	4:30	5	14	100
1825	4:35	5	14	100
1826	4:52	8	14	100
1827	4:58	6	14	100
1828	5:04	6	14	100
1829	5:10	6	14	100
1830	5:16	6	14	100
1831	5:23	7	14	100
1832	5:29	6	14	100
1833	5:35	6	14	100
1834	5:41	6	14	100
1835	5:47	6	14	100
1836	5:54	7	14	100
1837	6:00	6	14	100
1838	6:06	6	14	100
1839	6:13	7	14	100
1840	6:19	6	14	100
1841	6:25	6	14	100
1842	6:32	7	14	100
1843	6:39	7	14	100
1844	6:45	6	14	100
1845	6:52	7	14	100
1846	6:59	7	14	100

<u>Depth</u>	<u>Time</u>	<u>Min/Ft.</u>	<u>Wt. on Bit</u>	<u>Rotary RPM</u>
1847	7:06	7	14	100
1848	7:13	7	14	100
1849	7:19	6	14	100
1850	7:25	6	14	100
1851	7:31	6	14	100
1852	7:37	6	14	100
1853	7:44	7	14	100
1854	7:50	6	14	100
1855	7:55	5	14	100
1856	8:03	8	14	100
1857	8:03	} Core Jammed }		
1858				
1859				
1860				

(d) SAMPLE DESCRIPTION:

No samples from 0-90'

90-100	Shale, medium grey, chunky, silty, micromicaceous in part. Sandstone, light grey, silty, glauconitic, slightly argillaceous in part, very fine to fine grained, tight, trace siltstone, sandy and argillaceous, medium grey to maroon.
100-110	Shale, medium grey, chunky, silty and very slightly sandy in part.
112-120	Shale, aa with trace sandstone aa. Trace ironstone.
120-130	Shale, aa with trace siltstone aa, trace carbonaceous fragments.
130-140	Shale, aa with trace sandstone aa.
140-150	Shale, aa with abundant pyrite.
150-160	Shale, medium grey, silty, subfissile to fissile, platy in part, trace pyrite.
160-170	Shale, aa
170-190	Shale, aa with abundant pyrite, aa.
190-200	Shale, aa.
200-210	Shale, aa, traces of pyrite, siltstone, aa.
210-230	Shale, aa, trace of light grey shale.

- 230-240 Shale, light to medium grey, silty, pyrite, subfissile, platy, micromicaceous.
- 240-250 Shale, medium grey, extremely glauconitic, silty in part, micromicaceous, subfissile.
- 250-280 Shale, medium grey, silty, micromicaceous, subfissile, glauconitic in part.
- 280-290 Shale, medium grey, light grey in part, silty, subfissile to fissile, micromicaceous, pyrite.
- 290-360 Shale, aa also platy in part, traces of siltstone, maroon to medium grey.
- 360-480 Shale, medium grey, micromicaceous, silty, subfissile, pyritic, trace of light to medium grey, siltstone, maroon in part.
- 480-490 Shale, aa also platy in part.
- 490-510 Shale, aa, abundant ironstone.
- 510-520 Shale, medium grey, micromicaceous, pyritic, silty, subfissile, platy in part.
- 520-550 No samples.
- 550-580 Shale, medium grey, micromicaceous, subfissile to fissile.
- 580-590 Shale, aa also platy.
- 590-610 Shale, aa also pyritic.
- 610-650 Shale, aa, trace ironstone, also to light grey shale.

- 650-660 Shale, medium grey, micromicaceous, slightly silty, pyritic in part, subfissile to fissile.
- 660-670 Shale, aa, also light grey and platy.
- 670-700 Shale, aa, traces of dark brown red ironstone.
- 700-730 Shale, light to medium grey, silty in part, micromicaceous, subfissile to fissile, chunky to platy, slightly pyritic in part, very slightly glauconitic in part.
- 730-750 Shale, light to medium grey, slight micromicaceous in part, platy, subfissile.
- 750-770 Shale, medium grey, chunky, micromicaceous, pyritic, silty, subfissile, trace sandstone, light to medium grey, glauconitic, silty, very fine grained, tight.
- 770-780 Shale, medium grey, chunky, slightly micromicaceous, trace of ironstone. Trace inoceramus prisms.
- 780-800 Shale, aa also pyritic.
- 800-820 Shale, light to medium grey, platy, chunky and glauconitic in part, very slightly micromicaceous and pyritic, subfissile.
- 820-840 Shale, medium grey, chunky, pyritic, subfissile, slightly micromicaceous, silty with trace siltstone, light grey.
- 840-850 Shale, aa with siltstone, light grey, pyritic, slightly argillaceous, glauconitic, grades to very fine grained sandstone in part.

- 850-860 Shale, medium grey, chunky, micromicaceous, slightly silty in part, pyritic subfissile, trace siltstone aa.
- 860-870 Shale aa, with siltstone, light grey, micromicaceous, slightly argillaceous.
- 870 880 Siltstone, light to medium grey in part, trace shale aa.
- 880-900 Sandstone, light grey, very silty, quartz, argillaceous in part, very fine grained, grades to siltstone in part, hard, tight.
- 900-910 Sandstone, light grey, quartz, slightly glauconitic; poorly sorted, very hard subangular to rounded, very fine grained, occasional large, well rounded quartz grains, carbonaceous partings, shale partings. tight. Abundant, dark grey, smoky, angular chert fragments. Siltstone, light grey, micaceous.
- UPPER DEVONIAN IMPERIAL FORMATION (E-LOG 915')
- 910-920 Siltstone, aa, Sandstone aa.
- 920-930 Siltstone, light grey, micromicaceous, slightly argillaceous, grades to very fine sandstone in part.
- 930-940 Siltstone, aa abundant ironstone, trace to abundant maroon siltstone.
- 940-950 Siltstone, light grey, aa. Shale, medium grey, platy, micromicaceous, subfissile.
- 950-960 Shale, medium grey, chunky, micromicaceous, subfissile, silty, siltstone, aa.

- 960-970 Siltstone, light grey, micromicaceous, argillaceous, sandy in part, hard, shale aa.
- 970-990 Siltstone aa, trace shale, light grey, platy, micromicaceous silty, fissile.
- 990-1010 Shale, medium grey, chunky, subfissile, silty, micromicaceous, siltstone aa, trace ironstone, also trace shale light grey and platy.
- 1010-1020 Siltstone, light grey, argillaceous, glauconitic, sandy, trace light grey platy shale.
- 1020-1040 Shale, light grey, platy, fissile, micromicaceous, silty with siltstone aa. Trace pyrite.
- 1040-1050 Shale, medium grey, micromicaceous, chunky, silty, subfissile, platy in part.
- 1050-1060 Sandstone, light grey, salt and pepper, silty, subangular to subrounded, siliceous cement, fairly well sorted, very fine grained grading to siltstone, tight.
- 1060-1070 Sandstone, aa, siltstone, aa also maroon in part and trace shale aa
- 1070-1080 Sandstone and siltstone aa
- 1080-1100 Siltstone, aa with minor shale, light grey, platy, micromicaceous, fissile and silty.
- 1100-1110 Siltstone, light grey, hard, sandy, slightly argillaceous, siliceous, maroon in part grades to very fine sandstone in part, trace shale aa.

- 1110-1140 Shale, medium grey, chunky, platy, in part subfissile, micromicaceous, silty in part, trace siltstone aa.
- 1140-1150 Shale, medium grey, aa. siltstone, maroon to red, sandy, siliceous cement, hard, also shale light grey, micromicaceous, silty, platy, fissile.
- 1150-1160 Shale, light medium grey in part, platy, chunky in part, micromicaceous, silty, subfissile and hard.
- 1160-1170 Shale, light grey, aa. Trace siltstone aa.
- 1170-1230 Shale, light grey, micromicaceous, silty, platy, subfissile with trace siltstone aa.
- 1230-1260 Shale, aa, shale medium grey, chunky, micromicaceous, subfissile.
- 1260-1360 Shale, medium grey, chunky, platy, micromicaceous, subfissile, silty.
- 1360-1370 Shale, aa with medium brown, dense, micro-crystalline, carbonaceous partings.
- 1370-1430 Shale, medium grey, light grey in part, chunky, platy in part, micromicaceous, silty subfissile.
- 1430-1440 Shale, aa with siltstone, red brown.
- 1440-1460 Shale, aa with medium brown siltstone.
- 1460-1490 Shale, aa with trace siltstone, aa.

- 1490-1580 Shale, medium grey, light grey in part, micromicaceous, chunky to platy, subfissile, silty.
- 1580-1590 Shale, medium grey, light grey in part, chunky to platy, subfissile, micromicaceous, silty, siltstone, light grey, argillaceous, micromicaceous, grades to very fine sandstone in part.
- 1590-1610 Shale, aa.
- 1610-1620 Shale, aa with trace siltstone aa.
- 1620-1650 Shale, aa with carbonaceous partings, medium brown, trace pyrite.
- 1650-1660 Shale, aa with trace carbonaceous partings aa, trace ironstone.
- 1660-1670 Shale, aa, trace light brown siltstone.
- 1670-1680 Shale, aa with trace shale, dark grey to black, fissile chunky, slightly bituminous.
- 1680-1690 Shale, dark grey to black, fissile, chunky, bituminous.
- 1690-1697 Shale, aa with trace light grey, limestone, silty, argillaceous, micro-crystalline, dense, tight, chunky in part.
- CORE #1 1697-1751
- 1850-1860 Limestone, buff to white, chalky, calcite fragments, strom fragments, abundant bituminous material, micro-crystalline, tight. Extensive calcitic infill.

1860-1890 Limestone, buff to white to light grey, microcrystalline, chalky, abundant strom fragments and occasional amphipora fragments, extreme calcite infill, abundant bituminous material, tight infill.

1890-1930 Limestone, white to buff, trace light grey brown in part, micromicaceous, microcrystalline, chalky in part, extreme secondary and calcitic infill, abundant strom fragments, tight.

MIDDLE DEVONIAN - KEE SCARP PLATFORM (E-LOG 1920)

1930-2030 Limestone, medium to dark brown, microcrystalline, abundant strom fragments and bituminous material. Occasional trace of oil stain, dense and tight.

MIDDLE DEVONIAN - HARE INDIAN FORMATION (E-LOG 2017)

2030-2050 Shale, dark grey, to black, micromicaceous, subfissile, silty, chunky and calcareous.

2050-2070 Siltstone, light grey, calcareous, micromicaceous, argillaceous, pyritic in part, grades to very fine sand in part.

2070-2105 Shale, dark brown to grey brown, chunky to platy, silty calcareous, micromicaceous.

SECTION III - ENGINEERING SUMMARY

(a) SUMMARY OF DRILL STEM TESTS:

None ran

(b) CASING RECORD:

Conductor: Ran 3 joints 13 3/8" 48# H-40 casing and cemented ^{@ 95'} with 200 sacks plus 3% CaCl plus 10 sacks Cal Seal. Plug down August 28, 1970.

Surface: Ran 14 joints 8 5/8" 24# J-55 casing and cemented with 350 sacks plus 3% CaCl. Plug down @ 7:30 PM August 30, 1970.

District: Canada, N.W.T

Field: Carcajou Ridge

Lease: McD Can S. Maida Creek G-56

Well No: G-56

Drill Pipe: 520

Size Hole: 12 1/4

Datum Point: Rotary Bushing

Datum Point Elevation: 382

Casing: Size - 8 5/8

Coupling L/S T&C - S

Wt. - 24

Thd. - 8rd

Grade J-55

Make - Mann Man

On hand - No. Jts. 15

Footage 549.23

Run in Well - No. Jts 14

Footage 520.25

Remainder - No. Jts. 1

Footage 29.98

Total Casing in Well: 520.25

Casing Shoe: Davis Guide
Length - 1.00

Float Collars: Davis

Length - 1.40 Depth 520.00

Total Casing, Shoe and Float Collars: 522.65

Top of Casing (Above) Datum Point: 2.65

Casing Point: 520.00 KB

Cementing Record: Work Done By - B.J.

Cement - Brand - Canada N

Type - Neat

Other Admix - 3% CaCl_2

Mixed Wt. per Gal - 16.5

No. Sacks Treated - 350

Cementing Time: Mixing-24 hours

Displacing - 26

Total-50

Plug Down @ 7:30 PM

Pump Pressures: Circulating - 100

To Place Cement - 250

After Plug Hit - 750

Released to 0

Top of Cement in Annulus: Measured to surface

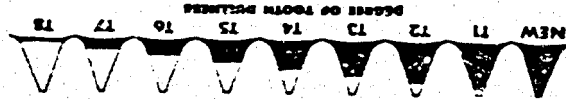
Casing Weight: 12,480



BIT RECORD

Province	N.W.T.	Field	Malda Creek	Canada	Lat	Long	Section	Twins	Ham	Operator	378	Page	OF
Location	G-56	No.	6 1/4	2 7/8									
Drill Collars	No.	OD.	ID.										
1.	12	6 1/4	2 7/8										
2.													
Tool Joints	Make	Size	Type	OD.									
1.			4" Pipe										
2.	H.W.	3 1/2 IF - 5"											
Lost Circulation Depths													
	NIL												
Release	Sept.												
Completed	Sept.	6 - 9:15 PM											
Other Remarks	Reamer, Re Drilling, Etc.												
Completed	Sept.	6 - 9:15 PM											
2105													

No.	Size	Make	Type	Jet Size	Serial	Depth Out	Feet	Hours	Accum. Hours	Dull Count	No. of DC	Wt. of Lbs.	RPM	Vent. Dev.	Pump Pres.	No. 1	No. 2	Mod.	Wt.	Vis.	pH	Wt.	Date
1A	1 1/2	H.W.	OSC3		RTIP 12102	540	520																
2A	1 1/2	Reed	H.O.		R. Run	94	94	10															
1	7/8	Smith	DGJ	3-11	C1334	951	431	13 1/2	1/2	5	4	0	12	16	70	3/4	800						
2	7/8	SEC	N4NJ	3-11	911156	1306	355	19 1/2	33	3	1	12	16	70	1/2	800							
3	7/8	Smith	DGJ	3-11	DB865	1697	391	17 1/2	50	1/2	3	1	12	16	70	2	800						
1C	3/16	Chr	s Dia	-	FC6018	1751	54	7 1/2	58	NEV	12	14	100		800								
RR	7/8	H.W.	WAJ	3-11	85982	1751	54	3	61	1	1	12	8	100	1 1/2	800							
2C	3/16	Chr	s Dia	-	FC6018	1805	54	5 1/4	67	1/4	600	12	14	100	1 1/2	700							
RR	7/8	H.W.	WRJ	3-11	85982	1805	54	5 1/4	72	1/2	2	1	12	8	100	1 1/2	800						
3C	3/16	Chr	s Dia	-	FC6018	1856	51	5 3/4	78	1/4	600	12	14	100		700							
RR	7/8	SEC	N4NG	3-11	911154	1856	51	1 3/4	30	3	2	1	12	8	100	1 1/2	800						
4	7/8	Smith	4JS	3-11	EA196	2105	249	28 1/2	108	1/2	1	1	12	22	45	1 1/2	900						



(d) MUD REPORT:

<u>Date</u>	<u>Depth</u>	<u>Wt. #/Gal</u>	<u>Vis Sec.</u>	<u>WL 15 Min CC</u>	<u>Filter Cake 32nds</u>	<u>PH</u>	<u>Remarks and Additives</u>
1970 Mud Additives and Properties are every 24 hours 12 PM - 12 PM							
Aug. 26	71'						5,000 # Gel, 50 # Caustic
Aug. 27	95'		58				Nil
Aug. 28							
Aug. 29	235		39				2,000# Gel
Aug. 30	520		67				Nil
Aug. 31	673	8.5	32				800# Gel, 150# Kelzan, 150# plaster, 30# Dowicide "B", 100# Caustic.
Sept. 1	1102	9.2	35	7.2	2	9	1,000# Gel, 200# Kelzan, 50# Caustic, 10# Dowicide "B", 50# plaster, 50# CMC
Sept. 2	1561	9.3	37	5.4	2	10.5	100# Kelzan, 500# Gel, 10# Dowicide "B", 100# Caustic 50# CMC
Sept. 3	1751	9.0	38	5.8	2	9.5	150# CMC, 250# Kelzan, 20# Dowicide "B", 2,000# Gel, 50# Plaster, 50# Caustic
Sept. 4	1805	8.7	50	5.2	2	9.5	500# Gel, 300# Kelzan, 40# Dowicide "B", 400# CMC, 150# caustic, 50# Plaster
Sept. 5	1921	8.8	47	6.4	2	9.5	500# Gel, 50# Caustic, 100# Kelzan
Sept. 6	2105	8.8	45	6.6	2	9.5	250# Kelzan, 20# Dowicide "B", 100# CMC, 1000# Gel

(e) SUMMARY OF DEVIATION SURVEYS:

<u>Depth</u>	<u>Degrees Off</u>
45	$\frac{1}{2}$
95	$\frac{7}{8}$
127	$\frac{3}{4}$
186	$\frac{3}{4}$
275	$\frac{1}{2}$
365	$\frac{3}{4}$
419	$\frac{1}{2}$
471	$\frac{7}{8}$
520	$\frac{7}{8}$
663	$\frac{3}{4}$
753	$\frac{1}{2}$
847	$\frac{3}{4}$
972	$\frac{1}{8}$
1098	$\frac{1}{8}$
1222	$\frac{3}{4}$
1284	$\frac{1}{2}$
1378	$\frac{1}{2}$
1471	$\frac{3}{4}$
1598	1
1697	2
1751	$1\frac{1}{2}$
1856	$1\frac{7}{8}$
1826	$1\frac{1}{2}$

(f) ABANDONMENT PLUGS:

<u>Plug No.</u>	<u>Depth</u>	<u>Remarks</u>
1	2105-1700	Cement with 100 sacks + 3% CaCl. Plug down Sept. 8/70 Ran in and felt plug at 1685'
2	600-480	Cement with 50 sacks + 2% CaCl. Plug down Sept. 8/70. Ran in and felt plug at 470'
Surface		Cement with 10 sacks. Welded on plate, 2" collar pipe and well name

(g) LOST CIRCULATION ZONES:

None encountered

(h) REPORT OF BLOWOUTS:

None encountered

SECTION IV - LOGS

<u>Date</u>	<u>Interval</u>	<u>Type of Log</u>
September 7, 1970	518-2104	Schlumberger Induction Electrical
September 7, 1970	518-2102	Schlumberger Borehole Compensated Sonic with Gamma Ray-Caliper
September 7, 1970	518-2104	Schlumberger Microlog with Caliper

SECTION V - ANALYSIS

(a) CORE ANALYSIS:

See Attached

(b) WATER ANALYSIS:

Non ran

(c) GAS ANALYSIS:

None ran

(d) OIL ANALYSIS:

None ran

SECTION VI - COMPLETION SUMMARY

D&A No tubing operations, perforating or treatment carried out

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Company J. Ray McDermott Canada, Ltd.; Formation Page 1 of 7
Well McD Can GCO Matilda Creek S G-56 Date Report
Field, Province N.W.T. D. Fluid Analysts
Location 65°35'26" 128°10'17" Analysis Remarks

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Ft. Rep.	Permeability Millidarcys			Perm. ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Visual Examination
			K Max	K No	KV				Boil	Grain	Oil % Por	Water % Por	
-	1697-1726	29.0	-	-	-	-	-	-	-	-	-	-	-
1	1726-26.8	0.8	0.01	0.01	0.01	-	1.4	1.12	2.69	2.72	50.9	20.3	Dense, Shaly
2	1726.8-1728	1.2	0.01	0.01	0.01	-	2.2	2.64	2.66	2.72	37.2	12.4	1 Sty
3	1728-1729.3	1.3	0.01	0.01	0.01	-	2.5	3.25	2.66	2.73	28.8	14.4	1 Sty
4	1729.3-1730.3	1.0	0.01	0.01	0.01	-	1.4	1.40	2.68	2.71	0.0	20.6	1 Sty
5	1730.3-1731.2	0.9	0.05	0.03	0.01	0.05	2.7	2.43	2.67	2.75	44.6	11.1	1 Sty
-	1731.2-1733.3	2.1	-	-	-	-	-	-	-	-	-	-	Dense
6	1733.3-1734.6	1.3	0.05	0.05	0.01	0.07	1.2	1.56	2.68	2.71	26.6	26.6	1 Sty
-	1734.6-1735.4	0.8	-	-	-	-	-	-	-	-	-	-	Dense
7	1735.4-1736.1	0.7	0.03	0.03	0.01	0.02	3.9	2.73	2.60	2.71	33.9	4.8	1
8	1736.1-1737.4	1.3	0.03	0.01	0.01	0.04	2.1	2.73	2.65	2.71	TR	18.3	1
9	1737.4-1738.8	1.4	0.03	0.02	0.01	0.04	1.3	1.82	2.66	2.70	24.6	18.5	1 Sty
10	1738.8-1740.4	1.6	0.06	0.04	0.01	0.10	1.2	1.92	2.67	2.70	45.0	11.2	1
11	1740.4-1741.8	1.4	0.05	0.03	0.01	0.07	1.4	1.96	2.67	2.71	37.8	9.4	1
12	1741.801742.9	1.1	0.03	0.01	0.01	0.03	3.5	3.85	2.61	2.70	0.0	24.3	1 Sty
13	1742.9-1744.3	1.4	0.02	0.02	0.01	0.03	6.4	8.96	2.52	2.69	23.4	3.3	1 Sty
14	1744.3-1745.5	1.2	0.01	0.01	0.01	-	4.2	5.04	2.57	2.68	50.7	6.3	1 Sty
15	1745.5-1746.6	1.1	0.03	0.01	0.01	0.03	5.0	5.50	2.55	2.69	21.3	3.5	1 Sty

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Company McDermott Canada, Ltd. Formallon Page 2 of 7

Well McD. Can. GCO. Matilda Creek S. G-56 Date Report File

Field, Province NWT D. Fluid Analysts

Location 65°35'26", 128°10'17" Remarks

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	ft. Rep.	Permeability Millidarcies			Perm. Ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Visual Examination
			K Max	K 50%	KV				Bulk	Grain	Oil % Pore	Water % Pore	
16	1746.6-1747.7	1.1	0.04	0.02	0.01	0.04	6.0	6.60	2.53	2.69	23.3	9.3	1 Sty
17	1747.7-1749.1	1.4	0.03	0.03	0.01	0.04	4.9	6.86	2.58	2.71	28.5	4.0	1 Sty
Core #2 (1751-1805) (Rec. 53.5') (11 Boxes)													
18	1757-1751.7	0.7	0.01	0.01	0.01	-	2.7	1.89	2.61	2.69	44.4	14.8	1 Sty
19	1751.7-1858.5	0.8	0.01	0.01	0.01	-	5.5	4.40	2.57	2.72	24.6	3.5	1
20	1752.5-53.6	1.1	0.08	0.04	0.01	0.09	5.7	6.27	2.55	2.70	17.5	18.7	1 Sty
21	1753.6-54.6	1.0	0.04	0.04	0.01	0.04	4.7	4.70	2.56	2.68	28.5	5.7	1 Sty
22	1754.6-55.7	1.1	0.02	0.02	0.01	0.02	4.7	5.17	2.57	2.70	22.8	4.5	1 Sty
23	1755.7-56.8	1.1	0.02	0.02	0.01	0.02	4.2	4.62	2.58	2.70	65.4	10.9	1
24	1756.8-1758	1.2	0.02	0.02	0.01	0.02	5.7	6.84	2.54	2.69	23.0	9.2	1 Sty
25	1758-58.9	0.9	0.10	0.08	0.01	0.09	5.4	4.86	2.55	2.69	5.1	2.5	1
26	1758.9-60.7	0.8	0.33	0.30	0.01	0.26	9.8	7.84	2.42	2.68	14.3	2.8	1
27	1760.7-61.3	0.6	0.26	0.20	0.01	0.16	8.4	5.04	2.48	2.71	10.4	4.1	1
28	1761.3-62.6	1.3	0.26	0.23	0.01	0.34	9.4	12.22	2.43	2.69	12.1	7.2	1
29	1762.6-63.6	1.0	0.11	0.11	0.01	0.11	6.2	6.20	2.54	2.70	13.8	6.5	1
30	1763.6-64.8	1.2	0.08	0.05	0.01	0.10	5.8	6.96	2.54	2.69	13.9	5.5	1 Sty
31	1764.8-66.3	1.5	0.01	0.01	0.01	-	5.2	7.80	2.55	2.69	25.8	20.6	1 Sty
32	1766.3-67.6	1.3	0.01	0.01	0.01	-	1.8	2.34	2.65	2.70	38.3	1	1
33	1767.6-58.5	0.9	0.21	0.11	0.01	0.19	3.3	2.97	2.64	2.73	59.3	29.6	1F

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CORE LABORATORIES - CANADA, LTD.
Petroleum Reservoir Engineering
CALGARY, ALBERTA

Company J. Ray McDermott Canada Ltd. Formation Page 3 of 7
 Well ... McD. Can. GCO. Matilda Creek S., G-56 Date Report
 Field, Province NWT D. Fluid Analysts
 Location 65°35'26", 128°10'17" Analysis Remarks

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Ft. Rep.	Permeability Millidarcys			Perm. ft.	Porosity Percent	Porosity Feet	Density		Petroleum Saturation		Visual Examination
			K Max	K Avg	KV				Solid	Grain	Oil %	Water %	
34	1768.5-69.5	1.0	0.12	0.09	0.01	0.12	4.5	4.50	2.59	2.71	15.0	3.0	1
35	1769.5-70.4	1.4	0.07	0.05	0.01	0.01	2.0	3.80	2.63	2.69	38.2	9.5	1 Sty Calcite
36	1770.9-72.4	1.5	0.01	0.01	0.01	-	2.0	3.00	2.64	2.70	0.0	29.6	1
37	1772.4-73.6	1.2	0.05	0.05	0.01	0.06	3.2	3.84	2.60	2.69	19.3	9.6	1 Sty
38	1773.6-74.8	1.2	0.02	0.02	0.01	0.02	1.5	1.80	2.65	2.69	0.0	21.6	1 Calcite
39	1774.8-75.8	1.0	0.11	0.06	0.01	0.11	2.9	2.90	2.64	2.72	0.0	42.1	1 Calcite F
40	1775.8-1777.1	1.3	0.01	0.01	0.01	-	3.3	4.29	2.60	2.69	29.1	14.5	1
41	1777.1-1778.0	0.9	0.04	0.04	0.01	0.04	2.5	2.25	2.63	2.70	47.5	11.8	1 Sty
42	1778-1779	1.0	0.08	0.04	0.01	0.08	2.2	2.20	2.62	2.68	0.0	35.0	1
43	1779-80.3	1.3	0.01	0.01	0.01	-	2.9	3.77	2.63	2.71	21.1	10.5	1
44	1780.3-81.2	0.9	0.01	0.01	0.01	-	1.7	1.53	2.66	2.71	0.0	21.1	1
45	1781.2-82.4	1.2	0.01	0.01	0.01	-	1.9	2.28	2.63	2.68	18.3	9.1	1 Sty
46	1782.4-83.6	1.2	0.01	0.01	0.01	-	4.2	5.04	2.58	2.70	33.4	6.6	1
47	1783.6-84.6	1.0	0.02	0.02	0.01	0.02	2.9	2.90	2.61	2.68	22.2	11.1	1 Sty
48	1784.6-85.8	1.2	0.03	0.03	0.01	0.04	2.5	3.00	2.63	2.70	38.7	12.9	1 Sty
49	1785.8-86.7	0.9	0.30	0.25	0.01	0.27	1.2	1.08	2.66	2.70	41.9	20.9	1 Sty F
50	1786.7-1787.7	1.0	0.01	0.01	0.01	-	3.5	3.50	2.60	2.69	49.3	12.3	1
51	1787.7-88.8	1.1	0.21	0.17	0.01	0.23	5.7	6.27	2.55	2.70	14.2	17.7	1 Scatt
52	1788.8-89.9	1.1	0.08	0.05	0.01	0.09	6.8	7.48	2.52	2.70	11.1	11.1	1 PPV
53	1789.9-91.3	1.4	0.09	0.08	0.01	0.13	7.3	10.22	2.50	2.69	4.7	4.7	1

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CORE LABORATORIES CANADA, LTD.
Petroleum Reservoir Engineering
 CALGARY, ALBERTA

Company J. Ray McDermott Canada, Ltd. Formation Page 4 of 7
 Well MCD Can GCO Maids Creek S. G-56 Date Report File
 Field, Province HWT D. Fluid Analysts
 Location 65°35'26" , 128°10'17" Analysis Remarks

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Fl. Rep.	Permeability Millidarcys			Perm. ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Visual Examination
			K Max	K 100	KV				Bulk	Grain	Oil %	Water %	
54	1791.3-92.4	1.1	0.24	0.21	0.01	0.26	7.7	8.47	2.48	2.68	21.5	6.1	1 PPV
55	1792.4-93.7	1.3	0.16	0.14	0.01	0.21	7.9	10.27	2.47	2.68	16.8	13.4	1
56	1793.7-94.5	0.8	0.15	0.11	0.01	0.12	6.8	5.44	2.50	2.69	13.4	6.7	1 PPV
57	1794.5-95.5	1.0	0.39	0.23	0.01	0.39	8.0	8.00	2.49	2.71	14.1	8.5	1
58	1795.5-96.5	1.0	0.15	0.12	0.01	0.16	5.5	5.50	2.54	2.69	6.8	3.4	1
59	1796.5-97.3	0.8	0.09	0.09	0.01	0.07	5.5	4.40	2.55	2.69	12.8	4.2	1
60	1797.3-98.5	1.2	0.06	0.03	0.01	0.07	4.7	5.64	2.57	2.70	14.3	21.5	1
61	1798.5-1800.4	1.9	0.18	0.14	0.01	0.34	2.3	4.37	2.61	2.67	15.3	15.3	1
62	1800.4-1801.3	0.9	0.06	0.06	0.01	0.05	2.8	2.52	2.62	2.70	0.0	52.5	1
63	1801.3-1803.8	2.5	0.06	0.04	0.01	0.15	1.6	4.00	2.66	2.70	0.0	30.0	1 STY
64	1803.8-1804.5	0.7	0.09	0.09	0.01	0.06	2.0	1.54	2.66	2.72	TR	14.0	1
Core #3 (1805-1856) (Rec. 51') (11) Boxes													
-	1805-1805.8	0.8											
65	1805.8-1807	1.2	0.11	0.28	0.01	0.13	1.9	2.28	2.64	2.67	48.11	12.1	Dense
66	1807-1808	1.0	0.03	0.03	0.01	0.03	2.0	2.00	2.63	2.68	49.4	9.8	1 STY
67	1808-1809.2	1.2	0.12	0.10	0.01	0.14	4.7	5.64	2.51	2.69	33.9	13.5	1
68	1809.2-1810.2	1.0	0.51	0.18	0.01	0.51	1.4	1.40	2.63	2.67	0.0	38.6	1
69	1810.2-1811.1	0.9	0.07	0.05	0.01	0.06	3.0	2.70	2.61	2.69	19.7	4.9	1
70	1811.1-1812	0.9	0.04	0.04	0.01	0.04	2.8	2.52	2.62	2.69	42.2	21.1	1

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 Petroleum Reservoir Engineering
 CALGARY, ALBERTA

Company J. Ray McDermott Canada, Ltd., Formation Page 5 of 7
 Well McD Can GCO Malda Creek S. G-56 Date Report File
 Field, Province NWT D. Fluid Analysis
 Location 65035'26", 128010'17" Remarks

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Fl. Rep.	Permeability Millidarcys			Perm. Ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Vital Examination
			K MDa	K 90°	KV				Bulk	Grain	Oil %	Water %	
71	1812-1812.7	0.7	0.06	0.06	0.01	0.04	0.9	0.63	2.67	2.69	49.0	12.2	Dense, Sty, F
72	1812.7-1813.4	0.7	0.73	0.21	0.01	0.16	0.9	0.63	2.62	2.71	0.0	26.4	Dense, Sty, F
73	1813.4-1814.4	1.0	0.42	0.40	0.01	0.42	0.9	0.90	2.68	2.70	16.9	50.8	Dense, Sty, F
74	1814.4-1815.6	1.2	0.33	0.19	0.01	0.40	1.4	1.68	2.65	2.69	TR	22.1	1, F
75	1815.6-1816.6	1.0	0.38	0.36	0.01	0.38	3.4	3.40	2.60	2.69	27.4	17.6	1 Sty
76	1816.6-1817.7	1.1	0.17	0.15	0.01	0.19	2.4	2.64	2.62	2.69	25.3	25.3	1
77	1817.7-1818.7	1.0	0.19	0.17	0.01	0.19	3.3	3.30	2.60	2.69	38.3	10.9	1
78	1818.7-1819.7	1.0	0.09	0.06	0.01	0.09	2.9	2.90	2.62	2.70	32.7	16.3	1
79	1819.7-1820.7	1.0	0.30	0.19	0.01	0.30	1.8	1.80	2.65	2.69	13.7	20.6	1
80	1820.7-1821.6	0.9	0.11	0.11	0.01	0.10	3.5	3.15	2.60	2.70	24.0	24.0	1
81	1821.6-1822.9	1.3	0.08	0.05	0.01	0.10	4.4	5.72	2.56	2.68	38.8	17.4	1 Sty
82	1822.9-1824.1	1.2	0.05	0.03	0.01	0.06	4.7	5.64	2.57	2.69	13.7	13.7	1
83	1824.1-1825.1	1.0	0.08	0.08	0.01	0.08	4.8	4.80	2.56	2.68	19.9	14.9	1 PPV
84	1825.1-1825.9	0.8	0.12	0.10	0.01	0.10	3.9	3.12	2.58	2.69	13.2	19.7	1 Sty
85	1825.9-1826.9	1.0	0.34	0.29	0.01	0.34	2.3	2.30	2.63	2.69	19.6	19.6	1 Few PPV
86	1826.9-1827.8	0.9	0.28	0.25	0.01	0.25	2.2	1.98	2.63	2.69	28.0	14.1	1
87	1827.8-1829	1.2	0.30	0.27	0.01	0.36							
88	1829-1829.7	0.7	0.17	0.17	0.01	0.12	2.0	2.40	2.65	2.70	26.0	17.5	1
89	1829.7-1830.7	1.0	0.27	0.20	0.01	0.27	4.3	3.01	2.57	2.68	21.1	10.5	1
90	1830.7-1831.5	0.8	0.11	0.11	0.01	0.09	4.5	4.50	2.56	2.69	17.3	13.0	1
							4.9	3.92	2.56	2.69	14.1	3.5	1

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CORE LABORATORIES CANADA, LTD.
Petroleum Reservoir Engineering
CALGARY, ALBERTA

Company J. Ray McDermott Canada, Ltd Formation Page 6 of 7
 Well McD Can GCO Maifda Ck. S G-56 Date Report File
 Field, Province NWT D. Fluid Analysts
 Location 65°35'26", 128°10'17" Remarks

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Fr. Rep.	Permeability Millidarcys			Perm. Ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Void Fraction
			K Max	K 90	KV				Boil	Grain	Oil % Res	Total Water % Res	
91	1831.5-1832.4	0.9	0.13	0.10	0.01	0.12	4.6	4.14	2.56	2.69	TR	10.1	1
92	1832.4-1833.7	1.3	0.21	0.19	0.01	0.27	5.8	7.54	2.53	2.68	15.9	7.9	1
93	1833.7-1835	1.3	0.17	0.15	0.01	0.22	6.5	8.45	2.51	2.68	15.6	7.8	1
94	1835-1835.9	0.9	0.17	0.15	0.01	0.15	6.5	5.85	2.50	2.67	23.4	20.1	1
95	1835.9-1837.1	1.2	0.08	0.05	0.01	0.10	2.9	3.48	2.61	2.69	30.5	15.2	1
96	1837.1-1837.8	0.7	0.25	0.21	0.01	0.18	5.7	3.99	2.53	2.68	7.1	7.1	1
97	1837.8-1838.8	1.0	0.10	0.08	0.01	0.10	2.6	2.60	2.62	2.69	19.2	19.2	1
98	1838.8-1837.6	0.8	0.10	0.05	0.01	0.02	5.1	4.08	2.54	2.68	17.4	10.4	1
99	1839.6-1840.6	1.0	0.06	0.03	0.01	0.06	5.3	5.30	2.51	2.69	26.2	7.4	1 Sty
100	1840.6-1841.5	0.9	0.12	0.08	0.01	0.11	4.8	4.32	2.57	2.70	20.1	10.0	1
101	1841.5-1842.8	1.3	0.03	0.03	0.01	0.04	4.1	5.33	2.60	2.71	23.8	23.8	1 Sty
102	1842.8-1843.8	1.0	0.07	0.05	0.01	0.07	2.1	2.10	2.64	2.70	30.8	23.1	1 Sty
103	1843.8-1845.3	1.5	0.10	0.08	0.01	0.15	3.5	5.25	2.62	2.70	21.7	21.9	1 Sty
104	1845.3-1846	0.7	0.01	0.01	0.01	-	4.4	3.08	2.58	2.70	33.1	27.6	1
105	1846-1847.4	1.4	0.13	0.12	0.31	0.18	3.8	5.32	2.60	2.71	9.8	9.8	1
106	1847.4-1848.4	1.0	0.03	0.01	0.01	0.03	5.9	5.90	2.54	2.70	18.6	12.4	1
107	1848.401849.2	0.8	0.10	0.09	0.01	0.08	6.5	5.20	2.51	2.68	11.8	11.8	1
108	1849.2-1850.6	1.4	0.08	0.07	0.01	0.11	5.8	8.12	2.52	2.68	10.5	5.2	1
109	1850.6-1851.3	0.7	0.13	0.13	0.01	0.09	6.6	4.62	2.51	2.69	19.9	9.9	1 Sty
110	1851.3-1852.3	1.0	0.02	0.02	0.01	0.02	4.4	4.40	2.56	2.68	17.9	5.9	1

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Well McD Can GCO Majda Ck. S. G-56 Date Report File

Location 65°35'26", 128°10'17" Analysis

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks.)

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DATE SEPT 9/70

[illegible]

DAILY DRILLING REPORT

REPORT NO. 15 DATE Sept 8/76

OPERATOR J. Ray McInerney LEASE SMD 200 S. Main Crk

CONTRACTOR S & T DRILLING (WESTERN) CO. LTD. RIG NO. 1E

WELL NO. 856 FIELD OR DIST. S. Main Crk. COUNTY N.W.T. STATE Canada

SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

DRILLING ASSEMBLY BIT RECORD MUD RECORD FOOTAGE

TIME DISTRIBUTION-HOURS

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF DRILLING LINE

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

COMPLETION WORK

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

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.

DRILLER

DAILY DRILLING REPORT

REPORT NO. 14

DATE SEPT 7 1970

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE															
J RAY McDERMOTT		MCD. GCD MAIDA CK		656		S MAIDA CK.		NWT		CANADA															
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & CR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS									
S & T DRILLING (WESTERN) CO. LTD.		1E	NO. 2	SIZE 4	TYPE THD. 3 1/2 F	NO. 1	MANUFACTURER NATIONAL	TYPE H380	STROKE LENGTH 14	13 1/2	JAP	40 H40	3	99	12.05	95	200 SX CEM. 37 GCL								
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO. 2		MANUFACTURER	TYPE	STROKE LENGTH	14	8 3/8	MANH	24 JSS	14	565		520	350 SX CEM 37 GCL								
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO. 3		MANUFACTURER	TYPE	STROKE LENGTH	14																
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO. 3		MANUFACTURER	TYPE	STROKE LENGTH	14																
TIME DISTRIBUTION - HOURS		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN			
MORN DAY EVE		NO. STANDS D.P. 1685.44 FT.		BIT NO. 4		TIME 2.00 400 7.00		FROM TO 2105 T.D.		DR. D RM. R CORE. C		CORE NO.		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
RIG UP & TEAR DOWN		1 SINGLES D.P. 29.98 FT.		SIZE 7 3/8		WEIGHT 8.9 8.7 8.7		VISC.-SEC 60 60 60		W.L.-C.C. 5.8 5.6		FLTR. CK. 2 1/2 2 1/2		PH 9.5 9.5 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
DRILLING ACTUAL		D.C. 6 1/4 350.13 FT.		MFG. SMITH		VISC.-SEC 60 60 60		W.L.-C.C. 5.8 5.6		FLTR. CK. 2 1/2 2 1/2		PH 9.5 9.5 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
REAMING		I.D. O.D. FT.		TYPE 455		W.L.-C.C. 5.8 5.6		FLTR. CK. 2 1/2 2 1/2		PH 9.5 9.5 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
CONDITIONING MUD & CIRCULATING		D.C. 6 1/4 350.13 FT.		MFG. SMITH		VISC.-SEC 60 60 60		W.L.-C.C. 5.8 5.6		FLTR. CK. 2 1/2 2 1/2		PH 9.5 9.5 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
TRIPS		I.D. O.D. FT.		TYPE 455		W.L.-C.C. 5.8 5.6		FLTR. CK. 2 1/2 2 1/2		PH 9.5 9.5 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
LUBRICATE RIG		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
DEVIATION SURVEY		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
TEST S.O.P.		RMR. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
CUT OFF DRILLING LINE		SUBS O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
PAIR RIG		BIT OR C.B. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
WIRE LINE LOGGING		KELLY DOWN 34.60 FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
RUNNING CASING & CEMENTING		TOTAL 2105.00 FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
WAITING ON CEMENT		WT. OF STRING 65 M. LBS.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
DRILL STEM TEST		NO. 18 STANDS D.P. 1685.44 FT.		BIT NO. 4		TIME 9.00 12.00		FROM TO 2105		DR. D RM. R CORE. C		CORE NO.		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
OTHER W.O.O. 7 7		1 SINGLES D.P. 29.98 FT.		SIZE 7 3/8		WEIGHT 8.7 8.7		VISC.-SEC 62 62		W.L.-C.C. 5.6		FLTR. CK. 3/4		PH 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
FISHING		D.C. 2 3/4 350.13 FT.		MFG. SMITH		VISC.-SEC 62 62		W.L.-C.C. 5.6		FLTR. CK. 3/4		PH 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
A. PERFORATING		I.D. O.D. FT.		TYPE 455		W.L.-C.C. 5.6		FLTR. CK. 3/4		PH 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
B. TUBING TRIPS		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
C. SWABBING		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
D. TESTING		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
E. ADDITIONAL		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
TOTALS		SUBS O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
TIME SUMMARY (OFFICE USE ONLY)		BIT OR C.B. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
DAY WORK		KELLY DOWN 34.60 FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
HRS. W/DP		TOTAL 2105.00 FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
HRS. W/O/DP		WT. OF STRING 65 M. LBS.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
HRS. STANDBY		NO. 18 STANDS D.P. 1685.44 FT.		BIT NO. 4		TIME 9.00 12.00		FROM TO 2105		DR. D RM. R CORE. C		CORE NO.		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
TOTAL DAY WORK		1 SINGLES D.P. 29.98 FT.		SIZE 7 3/8		WEIGHT 8.7 8.7		VISC.-SEC 62 62		W.L.-C.C. 5.6		FLTR. CK. 3/4		PH 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
WIRE LINE RECORD		D.C. 2 3/4 350.13 FT.		MFG. SMITH		VISC.-SEC 62 62		W.L.-C.C. 5.6		FLTR. CK. 3/4		PH 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
REEL NO.		I.D. O.D. FT.		TYPE 455		W.L.-C.C. 5.6		FLTR. CK. 3/4		PH 9.5		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
NO. OF LINES		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FEET SLIPPED		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FEET CUT OFF		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
PRESENT LENGTH		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
TON MI. OR TRIPS SINCE LAST CUT		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
CUMULATIVE TON MI. OR TRIPS		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
NO. OF DAYS FROM SPUD		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
CUMULATIVE ROTATING HRS.		STB. BODY O.D. FT.		SER. NO. EA96		SD. CONT. %		PRESSURE GRADIENT		TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											

DAILY DRILLING REPORT

REPORT NO. 12. DATE SEPT 6/70

OPERATOR J. Ray McDERMOTT		LEASE M.D. G.G.O. MAIDA CREEK.		WELL NO. 926	FIELD OR DIST. S. MAIDA CK.	COUNTY N.W.T.	STATE CANADA						
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.	RIG NO. 15	DRILL PIPE NO. 2 SIZE 4	TOOL JOINT 5" O.D.	PUMPS		SIZE 13 1/8	MAKE JAP	WT. & GR. 48"	NO. JOINTS 3	FEET 99	RKB. TO CSG. HD. 12.05	SET AT 95	REMARKS 200 SX Cem 3% Cal.
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER					
				1.	NATIONAL	K380	14						
				2.	"	K380	14						
				3.									

TIME DISTRIBUTION - HOURS MORNING DAY EVE RIG UP TEAR DOWN DRILLING ACTUAL REAMING CONDITIONING MUD & CIRCULATING TRIPS LUBRICATE RIG DEVIATION SURVEY TEST S.O.P. CUT OFF DRILLING LINE FAIR RIG WIRE LINE LOGGING RUNNING CASING & CEMENTING WAITING ON CEMENT DRILL STEM TEST OTHER FISHING A. PERFORATING B. TUBING TRIPS C. SWABBING D. TESTING E. ADDITIONAL TOTALS TIME SUMMARY (OFFICE USE ONLY) DAY WORK HRS. W/DP HRS. WO/DP HRS. STANDBY	MORNING TOUR DAY TOUR EVENING TOUR	NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD			FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARCEL-P COMB-C	
		16	STANDS D.P.	1594.18 FT.	BIT NO.	4	TIME	2.00	4.00	6.00	FROM	TO			DRLG		45	22M	800	5 1/2	54		
		12	SINGLES D.P.	6 1/4	SIZE	7 1/8	WEIGHT	8.8	8.8	8.8													
			D.C.	350.13	MFG.	Smith	VISC.-SEC	49	49	47													
			I.D. O.D.		TYPE	4TS	W.L.-CC.			6.4													
			D.C.		NOZZLE	NO. 3	FLTR. CK.			2/32													
			I.D. O.D.		SIZE	11	PH	10	10	10													
			STB. BODY O.D.		SER. NO.	EA196	SD. CONT. %			RV 22													
			STB. BODY O.D.		DEPTH OUT		PRESSURE GRADIENT			YP 18													
			RMR. BODY O.D.		DEPTH IN	1856				Cal 120M													
		SUBS O.D.	1.65	TOTAL FTG.	119	MUD & CHEMICALS ADDED																	
		BIT OR C.B.	3.20	TOTAL HR. RUN	16	TYPE	AMT.	TYPE	AMT.														
				KELLY DOWN	24.94	COND. OF BIT	Run	Downide	10"														
		TOTAL	1975	REAMER NO.		DRILLER	AL. Hanson																
		WT. OF STRING	65M. LBS.	REAMER TYPE																			

A. PERFORATING B. TUBING TRIPS C. SWABBING D. TESTING E. ADDITIONAL TOTALS TIME SUMMARY (OFFICE USE ONLY) DAY WORK HRS. W/DP HRS. WO/DP HRS. STANDBY	MORNING TOUR DAY TOUR EVENING TOUR	NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD			FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARCEL-P COMB-C	
		17	STANDS D.P.	1653.67 FT.	BIT NO.	4	TIME	8.45	12.00	3.50	FROM	TO			DRLG		45	22M	800	5 1/2	54		
		12	SINGLES D.P.	6 1/4	SIZE	7 1/8	WEIGHT	8.8	8.8	8.8													
			D.C.	350.13	MFG.	Smith	VISC.-SEC	46	45	45													
			I.D. O.D.		TYPE	4TS	W.L.-CC.	6.2	6.6	6.6													
			D.C.		NOZZLE	NO. 3-11	FLTR. CK.	2/32	1/32	3/32													
			I.D. O.D.		SIZE	11	PH	9.5	9.5	9.5													
			STB. BODY O.D.		SER. NO.	EA196	SD. CONT. %			42.18													
			STB. BODY O.D.		DEPTH OUT		PRESSURE GRADIENT			PO. 15													
			RMR. BODY O.D.		DEPTH IN	1856				Cal 90M													
		SUBS O.D.	1.65	TOTAL FTG.	175	MUD & CHEMICALS ADDED																	
		BIT OR C.B.	3.20	TOTAL HR. RUN	23 1/2	TYPE	AMT.	TYPE	AMT.														
				KELLY DOWN	22.35	COND. OF BIT	Run	Kelzon	50														
		TOTAL	2031	REAMER NO.		DRILLER	Ben Sewell																
		WT. OF STRING	65M. LBS.	REAMER TYPE																			

A. PERFORATING B. TUBING TRIPS C. SWABBING D. TESTING E. ADDITIONAL TOTALS TIME SUMMARY (OFFICE USE ONLY) DAY WORK HRS. W/DP HRS. WO/DP HRS. STANDBY	MORNING TOUR DAY TOUR EVENING TOUR	NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD			FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARCEL-P COMB-C	
		18	STANDS D.P.	1685.44 FT.	BIT NO.	4	TIME	6.00	9.00	12.00	FROM	TO			DRLG		45	22M	800	5 1/2	54		
		1	SINGLES D.P.	29.98	SIZE	7 1/8	WEIGHT	8.8	8.7	8.7													
			D.C.		MFG.	Smith	VISC.-SEC	44	44	61													
			I.D. O.D.		TYPE	4TS	W.L.-CC.	5.4	5.8	5.6													
			D.C.		NOZZLE	NO. 3-11	FLTR. CK.	2/32	1/32	2/32													
			I.D. O.D.		SIZE	11	PH	9.5	9.5	9.5													
			STB. BODY O.D.		SER. NO.	EA196	SD. CONT. %			RV 27													
			STB. BODY O.D.		DEPTH OUT		PRESSURE GRADIENT			YP 19													
			RMR. BODY O.D.		DEPTH IN	1856				Cal 120													
		SUBS O.D.	1.65	TOTAL FTG.	249	MUD & CHEMICALS ADDED																	
		BIT OR C.B.	3.20	TOTAL HR. RUN	28 1/2	TYPE	AMT.	TYPE	AMT.														
				KELLY DOWN	24.60	COND. OF BIT	Run	Kelzon	150														
		TOTAL	2105	REAMER NO.		DRILLER	Donner																
		WT. OF STRING	65M. LBS.	REAMER TYPE																			

REPORT NO. 12 DATE SEPT 5/70

OPERATOR J. Ray McDERMOTT		LEASE M.D. G.C.O. S. MAIDA CK.		WELL NO. G-36		FIELD OR DIST. S MAIDA CK.		COUNTY N.W.T.		STATE CANADA									
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.		RIG NO. I.E.	DRILL PIPE STRING NO. 2 SIZE 5" O.D.	TOOL JOINT TYPE THD. 3 1/2 IF	PUMPS NO. MANUFACTURER TYPE STROKE LENGTH		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS			
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>J. Ray McDERMOTT</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>I.B. Halya</i>		1. NATIONAL H380 14		2. NATIONAL H380 14		13 3/8 JAP. 48" H40 3 94 12.05 95 200 x CEM. 3% C.C.H.				14 565 520 250 x CEM. 3% C.C.H.							
TIME DISTRIBUTION - HOURS		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS	PUMP NO. 2	PUMP NO.	METHOD RUN
RIG UP & TEAR DOWN		STANDS D.P. 1402.6 FT.		BIT NO. 3C		TIME 4:00 6:00		FROM 1805 TO 1855		C 3 CUTTING CORE #3.		100		14M		550	5 1/2	44	SGL-S PAR-EL-P COM-D-C
DRILLING ACTUAL		SINGLES D.P. 64 350.13 FT.		SIZE 6 3/16		WEIGHT 8.8 8.8													
REAMING		D.C. I.D. O.D. 350.13 FT.		MFG. CMRS		VISC.-SEC 48 47													
CONDITIONING MUD & CIRCULATING		D.C. I.D. O.D. 350.13 FT.		TYPE 0		W.L.-CC 6.4													
TRIPS		D.C. I.D. O.D. 350.13 FT.		NOZZLE NO. SIZE		FLTR. CX. 3/32													
LUBRICATE RIG		STB. BODY O.D. 350.13 FT.		SER. NO. FC6018		SD. CONT. % PV 19													
DEVIATION SURVEY		STB. BODY O.D. 350.13 FT.		DEPTH OUT 1855		PRESSURE GRADIENT 4.0 21													
TEST B.O.P.		SUBS. X0 O.D. 165		DEPTH IN 1805		CAL. 120													
SHUT OFF SLIP DRILLING LINE		STB. BODY O.D. 350.13 FT.		TOTAL FTG. 50		MUD & CHEMICALS ADDED													
FAIR RIG		STB. BODY O.D. 350.13 FT.		TOTAL HR. RUN 5 1/4		COND. OF BIT GOOD.													
WIRE LINE LOGGING		KELLY DOWN 37.80 FT.		REAMER NO.		REAMER TYPE		DRILLER A.R. Hansen											
RUNNING CASING & CEMENTING		TOTAL 1855 FT.																	
WAITING ON CEMENT		WT. OF STRING 64M LBS.																	
DRILL STEM TEST		NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS	PUMP NO. 2	PUMP NO.	METHOD RUN
OTHER RECOVER CORE		STANDS D.P. 1464.79 FT.		BIT NO. RR 3 1/4		TIME 12:00 3:30		FROM 1855 TO 1856		C 3 Recovered 51' Core.		100		14M		550	5 1/2	44	SGL-S PAR-EL-P COM-D-C
FISHING		SINGLES D.P. 1464.79 FT.		SIZE 7 3/8 7 3/8		WEIGHT 8.8 8.8													
A. PERFORATING		D.C. I.D. O.D. 350.13 FT.		MFG. SEC. SMITH		VISC.-SEC 44 47		1805 1856 RM		Reamed 51' Corehole		100		RM		800	7	54	
B. TUBING TRIPS		D.C. I.D. O.D. 350.13 FT.		TYPE MANG 4TS		W.L.-CC 6.2 56		1856 1860				45					19	54	
C. SWABBING		D.C. I.D. O.D. 350.13 FT.		NOZZLE NO. 3-11 3-11		FLTR. CX. 3/32 3/32		DEVIATION RECORD											
D. TESTING		STB. BODY O.D. 350.13 FT.		SER. NO. 91154 EA196		SD. CONT. % 8.5 9.5		TIME LOG											
E. ADDITIONAL		STB. BODY O.D. 350.13 FT.		DEPTH OUT 1856		PRESSURE GRADIENT 4.0 20		FROM 8:00 TO 8:15		ELAPSED TIME 1/4		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
TOTALS		SUBS. X0 O.D. 165		DEPTH IN 1805 1856		CAL. 120		8:15 9:00 3/4		Cutting Core 3		150 130 Deep Snarey							
DAY WORK		BIT OR C.B. 3.20 FT.		TOTAL FTG. 51 1/4		MUD & CHEMICALS ADDED		9:00 9:45 3/4		Pull Core #3		330 400 Trip For Bit							
HRS. W/P		KELLY DOWN 41.35 FT.		COND. OF BIT 3-2 T Run		CAUSTIC 50"		9:45 10:00 1/4		Recovered Core		See See 886 + Laydown							
HRS. WO/DP		TOTAL 1855 FT.		REAMER NO.		KELSON 100"		10:00 10:15 1/4		Rig See ✓ Ream Ram's		Run in w/Bit To Ream 6 3/4 To 7 3/4							
HRS. STANDBY		WT. OF STRING 63M LBS.		REAMER TYPE		DRILLER		10:15 10:30 1/4		Ship 23' drill line		Run in w/Bit To Ream 6 3/4 To 7 3/4							
TOTAL DAY WORK		TOTAL 1855 FT.																	

DAILY DRILLING REPORT						REPORT NO.		DATE		LEASE													
OPERATOR J. RAY McDERMOTT						N.D. G.C.O.S. MAIDA CK.		WELL NO. G56		FIELD OR DIST. S. MAIDA CK.		COUNTY N.W.T.		STATE CANADA									
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.						RIG NO. 1E		DRILL PIPE STRING NO. 2 SIZE 4" TYPE THD. 3 1/2 IF		TOOL JOINT 5" O.D.		PUMPS NO. MANUFACTURER TYPE STROKE LENGTH		LAST CASING TUBING OR LINER		SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS							
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>						SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>						1. NATIONAL K380 14		2. NATIONAL K380 14		3.		13 3/8 JAP 48" H-40 3 99 12.05 95 200 SF CEMENT 3% CAI					
TIME DISTRIBUTION - HOURS						DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN SOLID PART L.P. COM'D-C	
MORNING TOUR						14 STANDS D.P. 1306.34 FT.		BIT NO. HRR		TIME 2:55 5:20		FROM 1697 TO 1751		R. REAM 6 3/4 - 7 1/8 HOLE.		100		8m		800		5 1/2 54	
RIG UP & TEAR DOWN						2 SINGLES D.P. 63.42 FT.		SIZE 7 1/8		WEIGHT 8.5 8.7													
DRILLING ACTUAL						D.C. 350.13 FT.		MFG. HW		VISC.-SEC 40 50													
REAMING						I.D. O.D. 350.13 FT.		TYPE WRS		W.L.-C.C. 10 6.6													
CONDITIONING MUD & CIRCULATING						D.C.		NO. 3		FLTR. CK.													
TRIPS						I.D. O.D. FT.		NOZZLE SIZE 11		PH 8.5 9.0													
LUBRICATE RIG						STB. BODY O.D. FT.		SER. NO. 85982		SD. CONT. %													
DEVIATION SURVEY						STB. BODY O.D. FT.		DEPTH OUT 1751		PRESSURE GRADIENT													
TEST B.O.P.						RM.R. BODY O.D. FT.		DEPTH IN 1697															
CUT OFF DRILLING LINE						SUBS X O.D. 165 FT.		TOTAL FTG. 54		MUD & CHEMICALS ADDED													
AIR RIG						BIT OR C.B. 320 FT.		TOTAL HR. RUN 3		GEI 500 CMC 200													
WORKING						KELLY DOWN 26.26 FT.		COND. OF BIT		RETURN 200 Caustic 100													
WIRE LINE LOGGING						TOTAL 1751 FT.		REAMEX NO.		Demure 300 Planter 50													
RUNNING CASING & CEMENTING						WT. OF STRING 64M. LBS.		REAMEX TYPE		DRILLER U.L. Hanson													
WAITING ON CEMENT						NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN SOLID PART L.P. COM'D-C	
DRILL STEM TEST						14 STANDS D.P. 1306.34 FT.		BIT NO. 2C		TIME 9:00 11:00		FROM 1751 TO 1805		R. CORE #2.		100		14		400		5 1/2 95	
OTHER						2 SINGLES D.P. 63.42 FT.		SIZE 6 3/4		WEIGHT 8.8 8.7													
FISHING						D.C. 350.13 FT.		MFG. Chais		VISC.-SEC 63 51													
COMPLETION WORK						I.D. O.D. 350.13 FT.		TYPE 2		W.L.-C.C. 6.2 7.0													
A. PERFORATING						D.C.		NO. 2		FLTR. CK. 2 1/2													
B. TUBING TRIPS						I.D. O.D. FT.		NOZZLE SIZE		PH 9.5 9.5													
C. SWABBING						STB. BODY O.D. FT.		SER. NO. FC608		SD. CONT. % 40.34													
D. TESTING						STB. BODY O.D. FT.		DEPTH OUT 1825		PRESSURE GRADIENT PLU 23													
E. ADDITIONAL						RM.R. BODY O.D. FT.		DEPTH IN 1751		CAL 1160													
TIME SUMMARY (OFFICE USE)						SUBS X O.D. 165 FT.		TOTAL FTG. 54		MUD & CHEMICALS ADDED													
DAY WORK						BIT OR C.B. 57.70 FT.		TOTAL HR. RUN 6 1/4		C.M.I. 100													
HRS. W/D						TARS 5.66 FT.		COND. OF BIT 6000		CAUSTIC 50													
HRS. WO/D						KELLY DOWN 20.10 FT.		REAMEX NO.		DRILLER Ron Small													
HRS. STANDBY						TOTAL 1805.00 FT.		REAMEX TYPE															
TOTAL DAY WORK						WT. OF STRING 64M. LBS.																	
WIRE LINE RECORD						NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM							

DAILY DRILLING REPORT

REPORT NO. 10

DATE SEPT 3/70

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																																																															
J. RAY McDERMOTT		M.D. G.C.O. S. MAIDA CK.		936		S. MAIDA CK		NW T.		CANADA																																																															
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	PUMPS		LAST CASING		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	2" DIAM.																																																									
S & T DRILLING (WESTERN) CO. LTD.		1E	2 4	5' 3 1/2"	1. NATIONAL K380 14 2. NATIONAL K380 14		THIN OR LINER		13 3/8	JAP	48" H40	3	99	1205	95	200 SX (Casing) 3 1/2"																																																									
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER																																																																							
MORNING TOUR		DAY TOUR		EVENING TOUR																																																																					
RIG UP & TEAR DOWN		DRILLING ACTUAL		REAMING		CONDITIONING MUD & CIRCULATING		LUBRICATE K.G.		DEVIATION SURVEY		TEST S.O.P.		CUT OFF DRILLING LINE		RIG		WIRE LINE LOGGING		RUNNING CASING & CEMENTING		WAITING ON CEMENT		DRILL STEM TEST		OTHER		FISHING		A. PERFORATING		B. TUBING TRIPS		C. SWABBING		D. TESTING		E. ADDITIONAL		TIME SUMMARY (OFFICE USE ONLY)		DAY WORK		HRS. W/DP		HRS. WO/DP		HRS. STANDBY		TOTAL DAY WORK		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.	
15		STANDS D.P.		1300.30 FT.		BIT NO.		3 1/2"		TIME		2.00 4.00 6.00		FROM		TO		1561		1698		D.		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. 1		PUMP NO. 2		METHOD RUN																																			
12		SINGLES D.P.		6 1/4 350.13 FT.		SIZE		7 1/2"		WEIGHT		9.4 9.5 9.4		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		D.C.		6 1/4 350.13 FT.		MFG.		SMITH		VISC-SEC		42 71 39		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		I.D. O.D.		6 1/4 350.13 FT.		TYPE		DGS		W.L.-C.C.		6.4 6.2		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		D.C.		6 1/4 350.13 FT.		NOZZLE		NO. 3		FLTR. CK.		2/32		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		L.D. O.D.		6 1/4 350.13 FT.		SER. NO.		D8865		SD. CONT. %		40.13		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		STB. BODY O.D.		6 1/4 350.13 FT.		DEPTH OUT		1306		PRESSURE GRADIENT		P. 11		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		STB. BODY O.D.		6 1/4 350.13 FT.		DEPTH IN		1306		MUD & CHEMICALS ADDED		C.M.C. 50"		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		RMR. BODY O.D.		6 1/4 350.13 FT.		TOTAL FTG.		390		TYPE		C.M.C. 50"		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		SUBS. O.D.		6 1/4 350.13 FT.		TOTAL HR. RUN		17 1/2		COND. OF BIT		KELZAN 50"		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		KELLY DOWN		38.68 FT.		REAMER NO.				DRILLER		C.R. Hanson		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		TOTAL		1678 FT.		REAMER TYPE				DRILLER		C.R. Hanson		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		WT. OF STRING		60M. LBS.		REAMER TYPE				DRILLER		C.R. Hanson		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
13		STANDS D.P.		1212.84 FT.		BIT NO.		D8865 1C		TIME		12.00 3.30		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		SINGLES D.P.		62.84 FT.		SIZE		7 1/2"		WEIGHT		9.5 9.5		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		D.C.		62.84 FT.		MFG.		SMITH		VISC-SEC		37 39		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		I.D. O.D.		62.84 FT.		TYPE		DGS		W.L.-C.C.		6.6 5.6		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		D.C.		62.84 FT.		NOZZLE		NO. 3		FLTR. CK.		2/32		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		L.D. O.D.		62.84 FT.		SER. NO.		D8865		SD. CONT. %		40.16		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		STB. BODY O.D.		62.84 FT.		DEPTH OUT		1697		PRESSURE GRADIENT		P. 13		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		STB. BODY O.D.		62.84 FT.		DEPTH IN		1306 1697		MUD & CHEMICALS ADDED		C.M.C. 50"		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		RMR. BODY O.D.		62.84 FT.		TOTAL FTG.		391 29		TYPE		C.M.C. 50"		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		SUBS. O.D.		62.84 FT.		TOTAL HR. RUN		17 1/2 4		COND. OF BIT		C.M.C. 50"		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		KELLY DOWN		38.68 FT.		REAMER NO.				DRILLER		R. Smill		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		TOTAL		1726.00 FT.		REAMER TYPE				DRILLER		R. Smill		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		WT. OF STRING		63M. LBS.		REAMER TYPE				DRILLER		R. Smill		1697		1726		C		1		CUT CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
14		STANDS D.P.		1307.12 FT.		BIT NO.		1C		TIME		5.30 12.00		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		SINGLES D.P.		6 1/4 350.13 FT.		SIZE		6 3/4"		WEIGHT		9.5		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		D.C.		6 1/4 350.13 FT.		MFG.		Chris		VISC-SEC		38 40		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		I.D. O.D.		6 1/4 350.13 FT.		TYPE		DGS		W.L.-C.C.		5.8		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		D.C.		6 1/4 350.13 FT.		NOZZLE		NO. 3		FLTR. CK.		2/32		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		L.D. O.D.		6 1/4 350.13 FT.		SER. NO.		FC6018		SD. CONT. %		40.11		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		STB. BODY O.D.		6 1/4 350.13 FT.		DEPTH OUT		1751		PRESSURE GRADIENT		P. 11		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		STB. BODY O.D.		6 1/4 350.13 FT.		DEPTH IN		1697		MUD & CHEMICALS ADDED		C.M.C. 50"		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		RMR. BODY O.D.		6 1/4 350.13 FT.		TOTAL FTG.		54		TYPE		C.M.C. 50"		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		SUBS. O.D.		6 1/4 350.13 FT.		TOTAL HR. RUN		7 1/2		COND. OF BIT		KELZAN 50"		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		KELLY DOWN		30.00 FT.		REAMER NO.				DRILLER		P. 11		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		TOTAL		1751 FT.		REAMER TYPE				DRILLER		P. 11		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							
12		WT. OF STRING		64M. LBS.		REAMER TYPE				DRILLER		P. 11		1726		1751		C		1		CUTTING CORE #1		100		14		800		5 1/2		45		78 DIFF																																							

DAILY DRILLING REPORT

REPORT NO.

DATE

SEPT 2/70

OPERATOR

J RAY M'DERMOTT

LEASE

M'D G.C.O S. MAIDA CK.

WELL NO.

G36

FIELD OR DIST.

COUNTY

NWT

STATE

CANADA

CONTRACTOR

S & T DRILLING (WESTERN) CO. LTD.

RIG NO.

1E

DRILL PIPE

STRING

TOOL JOINT

5" O.D.

NO.

2

SIZE

4

TYPE THD.

3 1/2 IF

PUMPS

NO.

1

MANUFACTURER

NATIONAL

TYPE

K380

STROKE

14

LENGTH

14

LAST CASING

TUBING

OR LINER

SIZE

13 3/8

MAKE

JAP

WT. & GR.

48 8 1/4

NO. JOINTS

3

RKB. TO

CSG. HD.

12.05

SET AT

95

REMARKS

200 SX CEMENT

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION - HOURS

MORN DAY EVE

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST B.O.P.

CUT OFF DRILLING LINE

BEAR RIG

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTALS

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES

SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON ML. OR TRIPS SINCE LAST CUT

CUMULATIVE TON ML. OR TRIPS

NO. OF DAYS SINCE SPUD

ROTATING HRS.

NO.

9

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.

836.36

SINGLES D.P.

31.73

D.C.

12

I.D. O.D.

350.13

D.C.

1

I.D. O.D.

FT.

NOZZLE

NO.

3

SIZE

11

STB. BODY O.D.

FT.

SER. NO.

91156

STB. BODY O.D.

FT.

DEPTH OUT

FT.

RMR. BODY O.D.

FT.

SUBS

1

X8.D.

1.65

BIT OR C.B.

3.20

KELLY DOWN

21.73

TOTAL

1245

WT. OF STRING

56.00

LBS.

REAMER NO.

REAMER TYPE

DRILLER

A.P. Hanson

BIT RECORD

BIT NO.

2

SIZE

7 3/8

MFG.

SEC

TYPE

M40K3

NO.

3

SER. NO.

91156

DEPTH OUT

FT.

DEPTH IN

951

TOTAL FTG.

294

TOTAL HR. RUN

16 3/4

COND. OF BIT

Run

REAMER NO.

REAMER TYPE

DRILLER

A.P. Hanson

MUD RECORD

TIME

2.00

WEIGHT

92.92

VISC.-SEC

35

W.L.-C.C.

36

FLTR. CK.

8.0

PH

9.5

SD. CONT. %

40

PRESSURE GRADIENT

P.U. 10

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

CAUSTIC 50

DRILLER

A.P. Hanson

FOOTAGE

FROM

TO

1102

1245

DEVIATION RECORD

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM

WT. ON BIT 1000#

PUMP PRESS

PUMP NO.

PUMP NO.

METHOD RUN

SOL. PAR. EL. COM'D

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLING

SURVEY

DRILLING

SURVEY

DRILLING

SURVEY

DRILLING

SURVEY

DRILLING

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DAILY DRILLING REPORT										REPORT NO. 8										DATE SEP 1/70									
OPERATOR J. RAY M'DERMOTT										LEASE M'D GCD S. MAIDA CK.										WELL NO. 666									
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.										RIG NO. 16										FIELD OR DIST. COUNTY NWT									
SIGNATURE OF OPERATOR'S REPRESENTATIVE										SIGNATURE OF CONTRACTOR'S TOOL PUSHER										PUMPS									
1. NATIONAL K380 14										2. NATIONAL K380 14										LAST CASING 1 1/2 JAP 48" H40 3 99 1205 95 200 SX CEMENT									
3. NATIONAL K380 14										TUBING 8 3/8 MAIN 24" J55 14 520 1205 520 350 SX CEMENT										OR LINER									
TIME DISTRIBUTION - HOURS										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
MORN DAY EVE										5 STANDS D.P. 523.84 FT.										1 12.00 2.00 6.00									
RIG UP & TEAR DOWN										2 SINGLES D.P. FT.										7 7 7									
DRILLING ACTUAL										12 1 1/4 350.13 FT.										MFG. SMITH VISC.-SEC 33 32 37									
REAMING										D.C.										TYPE DGS W.L.-C.C.									
CONDITIONING MUD & CIRCULATING										I.D. O.D. FT.										NOZZLE NO. 3 FLTR. CK. 9.									
TRIPS										STB. BODY O.D. FT.										SER. NO. 01334 SD. CONT. %									
LUBRICATE RIG										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT									
DEVIATION SURVEY										RMR. BODY O.D. FT.										DEPTH IN									
TEST S.O.P.										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 385									
CUT OFF DRILLING LINE										1 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
REPAIR RIG										KELLY DOWN 26.18 FT.										COND. OF BIT RUN									
WIRE LINE LOGGING										TOTAL 905 FT.										REAMER NO.									
RUNNING CASING & CEMENTING										WT. OF STRING 54 M. LBS.										REAMER TYPE									
WAITING ON CEMENT										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
DRILL STEM TEST										6 STANDS D.P. 591.58 FT.										1 9.00 11.00 3.00									
OTHER										1 SINGLES D.P. 31.35 FT.										7 7 7									
FISHING										D.C.										MFG. SMITH VISC.-SEC 35 38 32									
A. PERFORATING										12 2 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 8.6 9.4									
B. TUBING TRIPS										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
C. SWABBING										I.D. O.D. FT.										PH 9.5 9.5 9.5									
D. TESTING										STB. BODY O.D. FT.										SER. NO. 01334 91156 SD. CONT. % 42.8									
E. ADDITIONAL										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.8									
TIME SUMMARY (OFFICE USE ONLY)										RMR. BODY O.D. FT.										DEPTH IN									
DAY WORK										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 431									
HRS. W/DP										1 1/4 320 FT.										TOTAL HR. RUN 13 1/2									
HRS. WO/DP										KELLY DOWN 9.19 FT.										COND. OF BIT RUN									
HRS. STANDBY										TOTAL 982.00 FT.										REAMER NO.									
TOTAL DAY WORK										WT. OF STRING 55 M. LBS.										REAMER TYPE									
WIRE LINE RECORD										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
REEL NO.										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
NO. OF LINES SIZE										2 SINGLES D.P. 62.98 FT.										7 7 7									
FEET SLIPPED										D.C.										MFG. SEC VISC.-SEC 37 36 35									
FEET CUT OFF										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
PRESENT LENGTH										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
TON MI. OR TRIPS SINCE LAST CUT										I.D. O.D. FT.										PH 9.0 7.0									
CUMULATIVE TON MI. OR TRIPS										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
NO. OF DAYS FROM SPUD										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
CUMULATIVE ROTATING HRS.										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
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										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
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										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
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										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
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										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
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										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
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										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
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										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
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										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									
										RMR. BODY O.D. FT.										DEPTH IN									
										SUBS 10 O.D. 1.65 FT.										TOTAL FTG. 151									
										BIT 1/4 320 FT.										TOTAL HR. RUN 9 1/2									
										KELLY DOWN 34.94 FT.										COND. OF BIT RUN									
										TOTAL 1102 FT.										REAMER NO.									
										WT. OF STRING 55 M. LBS.										REAMER TYPE									
										NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
										1 STANDS D.P. 649.10 FT.										2 6.30 9.30 12.00									
										2 SINGLES D.P. 62.98 FT.										7 7 7									
										D.C.										MFG. SEC VISC.-SEC 37 36 35									
										12 1 1/4 350.13 FT.										TYPE DGS W.L.-C.C. 7.8 7.2									
										D.C.										NO. 3-11 3-11 FLTR. CK. 3/4 3/4									
										I.D. O.D. FT.										PH 9.0 7.0									
										STB. BODY O.D. FT.										SER. NO. 91156 SD. CONT. % 42.13									
										STB. BODY O.D. FT.										DEPTH OUT PRESSURE GRADIENT 11.1									

DAILY DRILLING REPORT

REPORT NO. 1

DATE

Aug 27/71

OPERATOR

J. Ray Mc Dermott

LEASE

MCD G.C.O.S. Maida Creek

WELL NO.

FIELD OR DIST. S. Maida CK

COUNTY

N.W.T.

STATE

Canada

CONTRACTOR

S & T DRILLING (WESTERN) CO. LTD.

RIG NO.

1E

DRILL PIPE

STRING

NO. 2

SIZE 4"

TYPE THD. 3 1/2 IF

O.D.

PUMPS

NO.

MANUFACTURER

TYPE

STROKE

LENGTH

LAST

CASING

TUBING

OR LINER

SIZE

MAKE

WT. & GR.

NO. JOINTS

FEET

RKB. TO

CSG. HD.

SET AT

REMARKS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

1.

National

K 380

14

2.

National

K 380

14

3.

13 3/8

Jap

H8 H40

3

99

12.05

95

200 SA Com 7% Call 10%

8 3/8

mans.

24 JSS

14

520

12.05

520

350 SCS Com 3% Call 10%

10 SCS CAL. SAND.

TIME DISTRIBUTION-HOURS

MORN DAY EVE

RIG UP & TEAR DOWN

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST S.O.P.

CUT OFF DRILLING LINE

REPAIR RIG

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

A. PERFORATING

B. TUBING TRIPS

C. SWABBING

D. TESTING

E. ADDITIONAL

TOTAL

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/D

HRS. W/O

HRS. STANDBY

TOTAL DAY WORK

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.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

NO.

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.

SINGLES D.P.

D.C.

I.D. O.D.

STB. BODY O.D.

STB. BODY O.D.

RMR. BODY O.D.

SUBS O.D.

BIT OR C.B.

KELLY DOWN

TOTAL

WT. OF STRING

LBS.

BIT RECORD

BIT NO.

SIZE

MFG.

TYPE

NO.

NOZZLE

SIZE

SER. NO.

DEPTH OUT

DEPTH IN

TOTAL FTG.

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD RECORD

TIME

WEIGHT

VISC.-SEC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE

AMT.

TYPE

AMT.

FOOTAGE

FROM

TO

ELAPSED TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DEVIATION RECORD

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

DEPTH

DEV.

DIRECTION

PUMP NO. 1

PUMP NO. 2

METHOD RUN

SGL. S. PART. P. COM. D.C.

SGL. S. PART. P. COM. D.C.

SGL. S. PART. P. COM. D.C.

SGL. S. PART. P. COM. D.C.

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SGL. S. PART. P. COM. D.C.

SGL. S. PART. P. COM. D.C.

SGL. S. PART. P. COM. D.C.

SGL. S. PART. P. COM. D.C.

[illegible]

DAILY DRILLING REPORT										REPORT NO. 5	DATE Aug 29/70									
OPERATOR J. Ray McDERMOTT			LEASE M'D GCO S. MAIDA CR.			WELL NO. 956		FIELD OR DIST.		COUNTY N.W.T.	STATE									
CONTRACTOR S & T DRILLING (WESTERN) CO. LTD.			RIG NO. 1E	DRILL PIPE STRING NO. 2 SIZE 4" TYPE THD. 3 1/2 IF.	TOOL JOINT 5" O.D.	PUMPS		LAST CASING TUBING OR LINER		SIZE 13 3/8	MAKE SAP	WT. & GR. 48" H40	NO. JOINTS 3	FEET 99	RKB. TO CSG. HD.	SET AT 95	REMARKS 2nd Cem. 3/4" C.D. + 1/16" S.C.			
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>			SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>			1. NATIONAL H380 14		2. NATIONAL H380 14		3.										
TIME DISTRIBUTION-HOURS			NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D R.M. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SOL-S PART-EL-P COM'D-C
MORN DAY EVE			STANDS D.P. FT.		BIT NO.		TIME		FROM TO											
RIG UP & TEAR DOWN Flow Line 3/4			SINGLES D.P. FT.		SIZE		WEIGHT		95											
DRILLING ACTUAL 1 1/4 7 1/2			D.C.		MFG.		VISC.-SEC													
DRILL OUT REMAINING 1 1/4			I.D. O.D. FT.		TYPE		W.L.-C.C.													
CONDITIONING MUD & CIRCULATING			D.C.		NO.		FLTR. CK.													
TRIPS			I.D. O.D. FT.		NOZZLE SIZE		PH													
LUBRICATE RIG 1/4			STB. BODY O.D. FT.		SER. NO.		SD. CONT. %													
DEVIATION SURVEY 1/2			STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT													
TEST B.O.P.			RMR. BODY O.D. FT.		DEPTH IN															
CUT OFF DRILLING LINE			SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED													
REPAIR RIG			BIT OR C.B. FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.													
WIRE LINE LOGGING			KELLY DOWN FT.		COND. OF BIT															
RUNNING CASING & CEMENTING			TOTAL FT.		REAMER NO.		DRILLER <i>[Signature]</i>													
WAITING ON CEMENT			WT. OF STRING LBS.		REAMER TYPE															
DRILL STEM TEST			NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D R.M. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SOL-S PART-EL-P COM'D-C
OTHER 8 5			STANDS D.P. FT.		BIT NO. RR 1A		TIME		FROM TO											
FISHING			SINGLES D.P. FT.		SIZE 12 1/4		WEIGHT		95 101											
A. PERFORATING			D.C.		MFG. H-W		VISC.-SEC													
B. TUBING TRIPS			I.D. O.D. FT.		TYPE DSC 3		W.L.-C.C.													
C. SWABBING			NOZZLE NO. CON		FLTR. CK.		PH													
D. TESTING			STB. BODY O.D. FT.		SER. NO. 12102		SD. CONT. %													
E. ADDITIONAL			STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT													
SALS 8 8 8			RMR. BODY O.D. FT.		DEPTH IN															
TIME SUMMARY (OFFICE USE ONLY)			SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED													
DAY WORK			BIT OR C.B. FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.													
HRS. W/DP			KELLY DOWN FT.		COND. OF BIT															
HRS. WO/DP			TOTAL FT.		REAMER NO.		DRILLER <i>[Signature]</i>													
HRS. STANDBY			WT. OF STRING LBS.		REAMER TYPE															
TOTAL DAY WORK			NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D R.M. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SOL-S PART-EL-P COM'D-C
WIRE LINE RECORD			STANDS D.P. FT.		BIT NO. RR 1A		TIME 9:00 12:00		FROM TO											
REEL NO.			SINGLES D.P. FT.		SIZE 12 1/4		WEIGHT		101 235											
NO. OF LINES SIZE			D.C.		MFG. H-W		VISC.-SEC 32 39													
FEET SLIPPED			I.D. O.D. FT.		TYPE DSC 3		W.L.-C.C.													
FEET CUT OFF			NOZZLE NO. CON		FLTR. CK.		PH													
PRESENT LENGTH			STB. BODY O.D. FT.		SER. NO. 12102		SD. CONT. %													
TON MI. OR TRIPS SINCE LAST CUT			STB. BODY O.D. FT.		DEPTH OUT		PRESSURE GRADIENT													
CUMULATIVE TON MI. OR TRIPS			RMR. BODY O.D. FT.		DEPTH IN															
NO. OF DAYS FROM SPUD			SUBS O.D. FT.		TOTAL FTG.		MUD & CHEMICALS ADDED													
CUMULATIVE ROTATING HRS.			BIT OR C.B. FT.		TOTAL HR. RUN		TYPE AMT. TYPE AMT.													
			KELLY DOWN FT.		COND. OF BIT															
			TOTAL FT.		REAMER NO.		DRILLER <i>[Signature]</i>													
			WT. OF STRING LBS.		REAMER TYPE															

DAILY DRILLING REPORT

REPORT NO. 4

DATE Aug 28/90

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																							
J RAY M ^C DERMOTT								NWT		CANADA																							
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	O.D.	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS																		
S & T DRILLING (WESTERN) CO. LTD.		1E						13 3/8	JAP	48" H-40	3	99		95	Cemented w/ 200 sacks Cement 3% Cal Seal 10 sacks Cal Seal																		
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING TUBING OR LINER																					
<i>[Signature]</i>		<i>[Signature]</i>		1.		NATIONAL		H-380		14																							
				2.		NATIONAL		H-380		14																							
				3.																													
TIME DISTRIBUTION—HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN					
MORN DAY EVE		STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																					
RIG UP & TEAR DOWN		1		SINGLES D.P.		30.88		FT.		95'																							
DRILLING ACTUAL		1		D.C.		6'4"		27.85																									
REAMING				I.D.		O.D.		FT.																									
CONDITIONING MUD & CIRCULATING				D.C.				FT.																									
TRIPS				I.D.		O.D.		FT.																									
LUBRICATE RIG				STB. BODY		O.D.		FT.																									
DEVIATION SURVEY				STB. BODY		O.D.		FT.																									
TEST B.O.P.				RMR. BODY		O.D.		FT.																									
CUT OFF DRILLING LINE				SUBS		O.D.		FT.																									
PAIR RIG				BIT OR C.B.		O.D.		FT.																									
LOGGING				H.O.		O.D.		FT.																									
RUNNING CASING & CEMENTING				KELLY DOWN		O.D.		FT.																									
WAITING ON CEMENT				TOTAL		O.D.		FT.																									
DRILL STEM TEST				WT. OF STRING		LBS.		REAMER TYPE																									
OTHER				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN			
FISHING				STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																			
A. PERFORATING				SINGLES D.P.		FT.		SIZE		WEIGHT		95'																					
B. TUBING TRIPS				D.C.				MFG.		VISC.-SEC																							
C. SWABBING				I.D.		O.D.		FT.		W.L.-C.C.																							
D. TESTING				D.C.				FT.		FLTR. CK.																							
E. ADDITIONAL				I.D.		O.D.		FT.		PH																							
TIME SUMMARY (OFFICE USE ONLY)				STB. BODY		O.D.		FT.		SD. CONT. %																							
DAY WORK				STB. BODY		O.D.		FT.		PRESSURE GRADIENT																							
HRS. W/OP				RMR. BODY		O.D.		FT.																									
HRS. W/DP				SUBS		O.D.		FT.																									
HRS. STANDBY				BIT OR C.B.		O.D.		FT.		MUD & CHEMICALS ADDED																							
				TOTAL		O.D.		FT.		TYPE		AMT.		TYPE		AMT.																	
				KELLY DOWN		O.D.		FT.		TOTAL HR. RUN																							
				TOTAL		O.D.		FT.		COND. OF BIT																							
				WT. OF STRING		LBS.		REAMER NO.																									
				REAMER TYPE																													
				DRILLER																													
				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN			
				STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																			
				SINGLES D.P.		FT.		SIZE		WEIGHT		95'																					
				D.C.				MFG.		VISC.-SEC																							
				I.D.		O.D.		FT.		W.L.-C.C.																							
				D.C.				FT.		FLTR. CK.																							
				I.D.		O.D.		FT.		PH																							
				STB. BODY		O.D.		FT.		SD. CONT. %																							
				STB. BODY		O.D.		FT.		PRESSURE GRADIENT																							
				RMR. BODY		O.D.		FT.																									
				SUBS		O.D.		FT.																									
				BIT OR C.B.		O.D.		FT.		MUD & CHEMICALS ADDED																							
				TOTAL		O.D.		FT.		TYPE		AMT.		TYPE		AMT.																	
				KELLY DOWN		O.D.		FT.		TOTAL HR. RUN																							
				TOTAL		O.D.		FT.		COND. OF BIT																							
				WT. OF STRING		LBS.		REAMER NO.																									
				REAMER TYPE																													
				DRILLER																													
				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN			
				STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																			
				SINGLES D.P.		FT.		SIZE		WEIGHT		95'																					
				D.C.				MFG.		VISC.-SEC																							
				I.D.		O.D.		FT.		W.L.-C.C.																							
				D.C.				FT.		FLTR. CK.																							
				I.D.		O.D.		FT.		PH																							
				STB. BODY		O.D.		FT.		SD. CONT. %																							
				STB. BODY		O.D.		FT.		PRESSURE GRADIENT																							
				RMR. BODY		O.D.		FT.																									
				SUBS		O.D.		FT.																									
				BIT OR C.B.		O.D.		FT.		MUD & CHEMICALS ADDED																							
				TOTAL		O.D.		FT.		TYPE		AMT.		TYPE		AMT.																	
				KELLY DOWN		O.D.		FT.		TOTAL HR. RUN																							
				TOTAL		O.D.		FT.		COND. OF BIT																							
				WT. OF STRING		LBS.		REAMER NO.																									
				REAMER TYPE																													
				DRILLER																													
				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D R.M.-R CORE-C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN			
				STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																			
				SINGLES D.P.		FT.		SIZE		WEIGHT		95'																					
				D.C.				MFG.		VISC.-SEC																							
				I.D.		O.D.		FT.		W.L.-C.C.																							
				D.C.				FT.		FLTR. CK.																							
				I.D.		O.D.		FT.		PH																							
				STB. BODY		O.D.		FT.		SD. CONT. %																							
				STB. BODY		O.D.		FT.		PRESSURE GRADIENT																							
				RMR. BODY		O.D.		FT.																									
				SUBS		O.D.		FT.																									
				BIT OR C.B.		O.D.		FT.		MUD & CHEMICALS ADDED																							
				TOTAL		O.D.		FT.		TYPE		AMT.		TYPE		AMT.																	
				KELLY DOWN		O.D.		FT.		TOTAL HR. RUN																							
				TOTAL		O.D.		FT.																									

DAILY DRILLING REPORT

REPORT NO. 3

DATE Aug 27, 1970

OPERATOR		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE																			
J Ray m ^c Dermatt								N.W.T.		CANADA																			
CONTRACTOR		RIG NO.	DRILL PIPE STRING	TOOL JOINT	O.D.	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS														
S & T DRILLING (WESTERN) CO. LTD.		15																											
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER																			
				1.		National		K380	14																				
				2.		National		K380	14																				
				3.																									
TIME DISTRIBUTION - HOURS		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D. RM. R. CORE - C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. 1		PUMP NO. 2		METHOD RUN	
MORN DAY EYE		1		STANDS D.P. 27.85 FT.		BIT NO. 3A 4A		TIME 1.00 3.00 6.00		FROM 45 TO 71		R				7 1/8 HOLE TO 12 1/4		80		20		5 1/2		48		5 1/2		#8	
RIG UP & TEAR DOWN				SINGLES D.P. 27.85 FT.		SIZE 12 1/4 17 1/2		WEIGHT 58 58 58		0 55		R				12 1/4 HOLE TO 17 1/2		80		20		5 1/2				14			
DRILLING ACTUAL		7 1/2 7 4		D.C. 27.85 FT.		MFG. Smith Smith		VISC-SEC 58 58 58																					
REAMING		7 1/2 7 4		I.D. O.D. 27.85 FT.		TYPE HOLE H.O.		W.L.-C.C.																					
CONDITIONING MUD & CIRCULATING				D.C. 27.85 FT.		NOZZLE NO. 10 1/2		FLTR. CK.																					
TRIPS				I.D. O.D. 27.85 FT.		SIZE		PH																					
LUBRICATE RIG		14 14		STB. BODY O.D. 27.85 FT.		SER. NO.		SD. CONT. %																					
DEVIATION SURVEY				STB. BODY O.D. 27.85 FT.		DEPTH OUT		PRESSURE GRADIENT																					
TEST B.O.P.				RMR. BODY O.D. 27.85 FT.		DEPTH IN		45 0																					
CUT OFF DRILLING LINE				SUBS. BODY O.D. 27.85 FT.		TOTAL FTG.		55 55																					
REPAIR RIG				BIT NO. 3A 4A		TOTAL HR. RUN		7 1/2 4 1/2																					
WIRELINE LOGGING				H.O. 27.85 FT.		COND. OF BIT																							
RUNNING CASING & CEMENTING				KELLY DOWN		REAMER NO.																							
WAITING ON CEMENT				TOTAL		REAMER TYPE																							
DRILL STEM TEST				WT. OF STRING		LBS.		DRILLER																					
OTHER		1/2 1/2		1		STANDS D.P. 30.88 FT.		BIT NO. 8A																					
FISHING				SINGLES D.P. 30.88 FT.		SIZE 12 1/4 17 1/2		WEIGHT		55 78		RMR																	
A. PERFORATING				D.C. 30.88 FT.		MFG. Smith		VISC-SEC																					
B. TUBING TRIPS				I.D. O.D. 27.85 FT.		TYPE H.O.		W.L.-C.C.																					
C. SWABBING				D.C. 27.85 FT.		NOZZLE NO. 10 1/2		FLTR. CK.																					
D. TESTING				I.D. O.D. 27.85 FT.		SIZE		PH																					
E. ADDITIONAL				STB. BODY O.D. 27.85 FT.		SER. NO.		SD. CONT. %																					
TOTALS		8 8 8		RMR. BODY O.D. 27.85 FT.		DEPTH OUT		71																					
TIME SUMMARY (OFFICE USE ONLY)				SUBS. BODY O.D. 27.85 FT.		DEPTH IN		0																					
DAY WORK				BIT NO. 3A 4A		TOTAL FTG.		71																					
HRS. W/DP				TOTAL HR. RUN		14 1/2																							
HRS. WO/DP				COND. OF BIT		Fair																							
HRS. STANDBY				REAMER NO.																									
				REAMER TYPE																									
				DRILLER		Bm Smith																							
				WT. OF STRING		LBS.																							
				1		STANDS D.P. 30.88 FT.		BIT NO. 8A																					
				SINGLES D.P. 30.88 FT.		SIZE 12 1/4 17 1/2		WEIGHT		55 78		RMR																	
				D.C. 30.88 FT.		MFG. Smith		VISC-SEC																					
				I.D. O.D. 27.85 FT.		TYPE H.O.		W.L.-C.C.																					
				D.C. 27.85 FT.		NOZZLE NO. 10 1/2		FLTR. CK.																					
				I.D. O.D. 27.85 FT.		SIZE		PH																					
				STB. BODY O.D. 27.85 FT.		SER. NO.		SD. CONT. %																					
				RMR. BODY O.D. 27.85 FT.		DEPTH OUT		71																					
				SUBS. BODY O.D. 27.85 FT.		DEPTH IN		0																					
				BIT NO. 3A 4A		TOTAL FTG.		71																					
				TOTAL HR. RUN		14 1/2																							
				COND. OF BIT		Fair																							
				REAMER NO.																									
				REAMER TYPE																									
				DRILLER		Bm Smith																							
				WT. OF STRING		LBS.																							
				1		STANDS D.P. 30.88 FT.		BIT NO. 8A																					
				SINGLES D.P. 30.88 FT.		SIZE 12 1/4 17 1/2		WEIGHT		55 78		RMR																	
				D.C. 30.88 FT.		MFG. Smith		VISC-SEC																					
				I.D. O.D. 27.85 FT.		TYPE H.O.		W.L.-C.C.																					
				D.C. 27.85 FT.		NOZZLE NO. 10 1/2		FLTR. CK.																					
				I.D. O.D. 27.85 FT.		SIZE		PH																					
				STB. BODY O.D. 27.85 FT.		SER. NO.		SD. CONT. %																					
				RMR. BODY O.D. 27.85 FT.		DEPTH OUT		71																					
				SUBS. BODY O.D. 27.85 FT.		DEPTH IN		0																					
				BIT NO. 3A 4A		TOTAL FTG.		71																					
				TOTAL HR. RUN		14 1/2																							
				COND. OF BIT		Fair																							
				REAMER NO.																									
				REAMER TYPE																									
				DRILLER		Bm Smith																							
				WT. OF STRING		LBS.																							
				1		STANDS D.P. 30.88 FT.		BIT NO. 8A																					
				SINGLES D.P. 30.88 FT.		SIZE 12 1/4 17 1/2		WEIGHT		55 78		RMR																	
				D.C. 30.88 FT.		MFG. Smith		VISC-SEC																					
				I.D. O.D. 27.85 FT.		TYPE H.O.		W.L.-C.C.																					
				D.C. 27.85 FT.		NOZZLE NO. 10 1/2		FLTR. CK.																					
				I.D. O.D. 27.85 FT.		SIZE		PH																					
				STB. BODY O.D. 27.85 FT.		SER. NO.		SD. CONT. %																					
				RMR. BODY O.D. 27.85 FT.		DEPTH OUT		71																					
				SUBS. BODY O.D. 27.85 FT.		DEPTH IN		0																					
				BIT NO. 3A 4A		TOTAL FTG.		71																					
				TOTAL HR. RUN		14 1/2																							
				COND. OF BIT		Fair																							
				REAMER NO.																									
				REAMER TYPE																									
				DRILLER		Bm Smith																							
				WT. OF STRING		LBS.																							
				1		STANDS D.P. 30.88 FT.		BIT NO. 8A																					
				SINGLES D.P. 30.88 FT.		SIZE 12 1/4 17 1/2		WEIGHT		55 78		RMR																	
				D.C. 30.88 FT.		MFG. Smith		VISC-SEC																					
				I.D. O.D. 27.85 FT.		TYPE H.O.		W.L.-C.C.																					
				D.C. 27.85 FT.		NOZZLE NO. 10 1/2		FLTR. CK.																					
				I.D. O.D. 27.85 FT.		SIZE		PH																					
				STB. BODY O.D. 27.85 FT.		SER. NO.		SD. CONT. %																					
				RMR. BODY O.D. 27.85 FT.		DEPTH OUT		71																					

DAILY DRILLING REPORT										REPORT NO. <u>60</u> DATE <u>AUG. 26 1970</u>									
OPERATOR <u>J. RAY McDERMOTT</u>										LEASE									
CONTRACTOR <u>S & T DRILLING (WESTERN) CO. LTD.</u>										WELL NO. FIELD OR DIST. COUNTY <u>N.W.T.</u> STATE <u>CANADA</u>									
RIG NO. <u>1E</u>										PUMPS									
DRILL PIPE STRING NO. SIZE TYPE THD.										SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS									
SIGNATURE OF OPERATOR'S REPRESENTATIVE <u>[Signature]</u>										SIGNATURE OF CONTRACTOR'S TOOL PUSHER <u>[Signature]</u>									
1. <u>NATIONAL</u> <u>H380</u> <u>14</u>										LAST CASING TUBING OR LINER									
2. <u>NATIONAL</u> <u>H380</u> <u>14</u>																			
3.																			
TIME DISTRIBUTION-HOURS										NO. DRILLING ASSEMBLY AT END OF TOUR									
MORN DAY EVE										BIT RECORD									
RIG UP <u>4</u>										STANDS D.P. FT. BIT NO. TIME									
DRILLING ACTUAL										SINGLES D.P. FT. SIZE WEIGHT									
REAMING										D.C. MFG. VISC.-SEC									
CONDITIONING MUD & CIRCULATING										I.D. O.D. FT. TYPE W.L.-C.C.									
TRIPS										D.C. NOZZLE NO. FLTR. CK.									
LUBRICATE RIG										I.D. O.D. FT. SER. NO. SD. CONT. %									
DEVIATION SURVEY										STB. BODY O.D. FT. DEPTH OUT PRESSURE GRADIENT									
TEST B.O.P.										RMR. BODY O.D. FT. DEPTH IN									
CUT OFF DRILLING LINE										SUBS O.D. FT. TOTAL FTG. MUD & CHEMICALS ADDED									
PAIR RIG										BIT OR C.B. FT. TOTAL HR. RUN TYPE AMT. TYPE AMT.									
DRILLING										KELLY DOWN FT. COND. OF BIT									
WIRE LINE LOGGING										TOTAL FT. REAMER NO. DRILLER <u>AL. Hanson</u>									
RUNNING CASING & CEMENTING										WT. OF STRING LBS. REAMER TYPE									
WAITING ON CEMENT																			
DRILL STEM TEST										NO. DRILLING ASSEMBLY AT END OF TOUR									
OTHER <u>Rathole 4</u>										BIT RECORD									
FISHING										MUD RECORD									
A. PERFORATING										FOOTAGE									
B. TUBING TRIPS										FROM TO									
C. SWABBING										DR. D RM. R CORE. C CORE NO. FORMATION (SHOW CORE RECOVERY) ROTARY RPM WT. ON BIT 1000# PUMP PRESS PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN SOL. PARTS PER C.F.T. CON'D.									
D. TESTING										DEVIATION RECORD DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION									
E. ADDITIONAL										TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
TOTALS										8:00 12:00 4 DRILL. Rath. Hole									
TIME SUMMARY (OFFICE USE ONLY)										12:00 4:00 4 RIG UP CEMENTING UNIT & MUD MIXER									
DAY WORK										MIX GEL									
HRS. W/DP																			
HRS. WO/DP																			
HRS. STANDBY																			
TOTAL DAY WORK																			
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.																			
NO. DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD									
STANDS D.P. FT. BIT NO. 2A 3A TIME										MUD RECORD									
SINGLES D.P. FT. SIZE 7 3/4 12 1/4 WEIGHT										FOOTAGE									
D.C. MFG. Smith Smith VISC.-SEC 46										FROM TO									
I.D. O.D. FT. TYPE DGE 11 1/2 W.L.-C.C. 46										DR. D RM. R CORE. C CORE NO. FORMATION (SHOW CORE RECOVERY) ROTARY RPM WT. ON BIT 1000# PUMP PRESS PUMP NO. LINER SIZE S.P.M. LINER SIZE S.P.M. METHOD RUN SOL. PARTS PER C.F.T. CON'D.									
D.C. NOZZLE NO. 3-12 11 1/2 FLTR. CK.										DEVIATION RECORD DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION									
I.D. O.D. FT. SER. NO. DB-865 SD. CONT. %										TIME LOG FROM TO ELAPSED TIME DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
STB. BODY O.D. FT. DEPTH OUT 71 45 45										11:00 11:5 1/4 SER. RIG									
STB. BODY O.D. FT. DEPTH IN 45 45 1/4 SURVEY										4:15 4:30 1/4									
RMR. BODY O.D. FT. TOTAL FTG. 26 45 3 1/2										4:30 8:30 4 DRILL 7 3/4 hole FROM 45' - 71'									
SUBS O.D. FT. TOTAL HR. RUN 4 GEL 1000										8:30 12:00 3 1/2 REAMING 12 1/4 FROM 45' - 80									
BIT OR C.B. FT. COND. OF BIT																			
KELLY DOWN FT. REAMER NO.																			
TOTAL FT. REAMER TYPE										DRILLER <u>Ron Smith</u>									
WT. OF STRING LBS.																			

DAILY DRILLING REPORT

REPORT NO. *Aug* DATE *Aug 25/70*

OPERATOR *J Ray McEnmott*

CONTRACTOR *S & T DRILLING (WESTERN) CO. LTD.*

RIG NO. *1E*

DRILL PIPE STRING NO. *1E* SIZE *1E* TYPE THD. *1E*

SIGNATURE OF OPERATOR'S REPRESENTATIVE *[Signature]*

SIGNATURE OF CONTRACTOR'S TOOL PUSHER *[Signature]*

WELL NO. *1E* FIELD OR DIST. *1E* COUNTY *1E* STATE *1E*

SIZE *1E* MAKE *1E* WT. & GR. *1E* NO. JOINTS *1E* FEET *1E* RKB. TO CSG. HD. *1E* SET AT *1E* REMARKS *1E*

LAST CASING TUBING OR LINER *1E*

NO. MANUFACTURER TYPE STROKE LENGTH

1. *1E*

2. *1E*

3. *1E*

TIME DISTRIBUTION-HOURS

MORN DAY EYE

8

DRILLING ACTUAL

REAMING

CONDITIONING MUD & CIRCULATING

TRIPS

LUBRICATE RIG

DEVIATION SURVEY

TEST S.O.P.

CUT OFF DRILLING LINE

PAIR RIG

DRILLING

WIRE LINE LOGGING

RUNNING CASING & CEMENTING

WAITING ON CEMENT

DRILL STEM TEST

OTHER

FISHING

COMPLETION WORK

A. PERFORATING

B. TUBING TRIPS

C. SHABBING

D. TESTING

E. ADDITIONAL

8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON ML. OR TRIPS SINCE LAST CUT

CUMULATIVE TON ML. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO. DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

REAMER TYPE

DRILLER *[Signature]*

BIT RECORD

BIT NO. *1A*

SIZE *12 1/4*

MFG. *HW*

TYPE *0563*

NO. *CW*

SIZE *REH*

SER. NO. *45*

DEPTH OUT *45*

DEPTH IN *0*

TOTAL FTG. *45*

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD RECORD

TIME

WEIGHT

VISC. SEC

W.L. C.C.

FLTR. CK

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

FOOTAGE

FROM TO

DR-D RM-R CORE-C

CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM

WT. ON BIT 1000#

PUMP PRESS

PUMP NO. LINER SIZE S.P.M.

PUMP NO. LINER SIZE S.P.M.

METHOD RUN SOL-S PAR-EL-P COM-DC

DEVIATION RECORD

DEPTH DEV. DIRECTION

DEPTH DEV. DIRECTION

DEPTH DEV. DIRECTION

TIME LOG

FROM TO

ELAPSED TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

Logging up

DAY TOUR

NO. DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

REAMER TYPE

DRILLER *[Signature]*

BIT RECORD

BIT NO. *1A*

SIZE *12 1/4*

MFG. *HW*

TYPE *0563*

NO. *CW*

SIZE *REH*

SER. NO. *45*

DEPTH OUT *45*

DEPTH IN *0*

TOTAL FTG. *45*

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD RECORD

TIME

WEIGHT

VISC. SEC

W.L. C.C.

FLTR. CK

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

FOOTAGE

FROM TO

DR-D RM-R CORE-C

CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM

WT. ON BIT 1000#

PUMP PRESS

PUMP NO. LINER SIZE S.P.M.

PUMP NO. LINER SIZE S.P.M.

METHOD RUN SOL-S PAR-EL-P COM-DC

DEVIATION RECORD

DEPTH DEV. DIRECTION

DEPTH DEV. DIRECTION

DEPTH DEV. DIRECTION

TIME LOG

FROM TO

ELAPSED TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

8:00

4:00

Rig Up. Water pumps LAY LINE FILL TANKS

Pickup Kelly

EVENING TOUR

NO. DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P. FT.

SINGLES D.P. FT.

D.C.

I.D. O.D. FT.

STB. BODY O.D. FT.

STB. BODY O.D. FT.

RMR. BODY O.D. FT.

SUBS O.D. FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

REAMER TYPE

DRILLER *[Signature]*

BIT RECORD

BIT NO. *1A*

SIZE *12 1/4*

MFG. *HW*

TYPE *0563*

NO. *CW*

SIZE *REH*

SER. NO. *45*

DEPTH OUT *45*

DEPTH IN *0*

TOTAL FTG. *45*

TOTAL HR. RUN

COND. OF BIT

REAMER NO.

REAMER TYPE

MUD RECORD

TIME

WEIGHT

VISC. SEC

W.L. C.C.

FLTR. CK

PH

SD. CONT. %

PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE AMT. TYPE AMT.

FOOTAGE

FROM TO

DR-D RM-R CORE-C

CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM

WT. ON BIT 1000#

PUMP PRESS

PUMP NO. LINER SIZE S.P.M.

PUMP NO. LINER SIZE S.P.M.

METHOD RUN SOL-S PAR-EL-P COM-DC

DEVIATION RECORD

DEPTH DEV. DIRECTION

DEPTH DEV. DIRECTION

DEPTH DEV. DIRECTION

TIME LOG

FROM TO

ELAPSED TIME

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

4:00

6:00

10:00

11:00

12:00

Rig To SPUD. Spudded @ 6 PM.

DRILLING 12 1/4 HOLE

Pickup DC + SUBS TO DRILL RATHOLE

DRILLING RATHOLE