

CDR. TRIAD ANDEX

ET AL MILLS LK

B-75

Drilling Authority No. 433
Date Issued 27 January 1970

WELL NAME CDR Triad Index et al Mills Lake ~~H-74~~ 8-75
FIELD Area:
LOCATION: Unit N Section 74 Grid 61-20-117-25
Latitude ~~61-20-117-25~~ 61-14-04.97 Longitude ~~117-28-41.46~~ 117-28-41.46
U.W.L.R. ~~61-20-117-25~~ 61-23-471 - 117-46819
U.W.I. ~~61-20-117-25~~ 300875612017150

Rig Release Date 9/2/70
Status 57 A
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
27-1-70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
{ 19-1-71 9-11-70	Application to Amend a Drilling Authority. (Operate Only)
	Application to change a Well Name.
12-6-70	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
4-5-70	Well Completion Data.
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	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
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	M.P.R. - Oil - Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

File No.

Drilling Authority No. 413



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 413, concerning Well Location Change.

CDE Fried Anderson et al Mills Lake H-74
(Name and Number of Well)

The following amendments are required: To rectify well location

Former well location	Former Unit & Section
61° 13' 49.4" N. 117° 29' 29.4" W.	B - 74

To	
Corrected well location	Corrected Unit & Section
61° 14' 04.973" N. 117° 28' 41.46" W.	B - 75

Reasons for the amendments: Initial Co-ordinates were incorrect.

Dated at Calgary, this 22 day of December, 19 70

Signed by *[Signature]*
Title Drilling Operations Superintendent

Company Central Del Rio Oils Limited

(For Oil and Mineral Division use only)

APPROVED

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

Universal Well Location Reference: Lat. 61.23471° N., Long. 117.46819° W.

Unique Well Identifier: 3008756120117150

Date July 19, 19 71

[Signature]
Oil Conservation Engineer

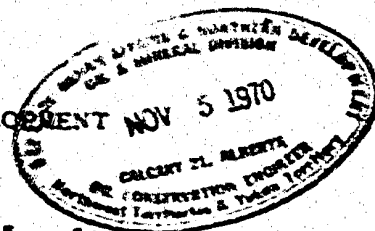
For: G. E. Blue

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

File No.
Drilling Authority No. 413



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION



Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. _____ concerning _____

COR Triad Anderson et al Mills Lake N-71

(Name and Number of Well)

The following amendments are required:

To amend the drilling authority number 413 to show Central-Del Rio Oils Limited as operator of the above mentioned well.

Reasons for the amendments: Previous Drilling Authority Number 413 was registered under Canadian Pacific Oil and Gas Limited

Dated at Calgary this 3rd day of November, 19 70

Signed by

Title Production Manager

Company Central-Del Rio Oils Limited

(For Oil and Mineral Division use only)

APPROVED

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

Date 9th November, 19 70

B. H. Thomas
Oil Conservation Engineer

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

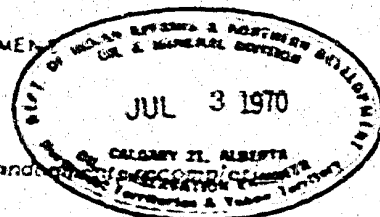


Drilling Authority No. 423
Date issued 27th January 1970

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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



Well name and number CCR Triad Area at al Mills Lake R-74
Permit No. 4243 Lease No. _____
Triad Oil Manitoba Ltd. Exploratory Licence No. 1738
Central-Del Rio Oils Limited Exploratory Licence No. 1221
(Operator)

Location: Unit II Section 74 Gnd 51°20'N; 117°15'W
Latitude 51°13'49.4"N Longitude 117°29'29.4"W
From Established Reference Marker Line 1, Shot Point 1, N 1/4 Sec. 74
Universal Well Location Reference Lat. 61.23039°N Long. 117.49149°W

	DATE	DEPTH	Pool(s)
Spudded	Feb. 3/70		Interval(s) open to production
Suspended			
Resumed Operations			
Finished Drilling	Feb. 7/70	1810	
Deepened			
Complete (gas/oil)			Elevation: Gr. <u>526</u> K.B. <u>539</u>
Abandoned	Feb. 9/70	1810	Rig No. <u>11</u>
Rig released	Feb. 9/70		Drilling Contractor <u>Regent</u>
			Contractor's Business Licence No. <u>501</u>

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 8 5/8	J-55	24	15 jts.	468'	300 sacks + 3% CaCl ₂
2.					to Surface
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS

	Depth	Sub-Sea
Hay River	Spud in	
Horn River	856	- 317
Limestone Marker	1118	- 579
Bituminous Limestone	1434	- 891
Lonely Bay	1476	- 937
Chinchaga	1628	-1089
Red Beds	1733	-1194
Granite Wash	1780	-1241
Precambrian	1788	-1249

CORE RECORD

From	To	Rec.	From	To	Rec.
1452	1480	27.5			

LOG RECORD

Run No.	Type of Log	From	To
1	D11	1810	468
1	FDC	1813	468
1	SNP	1812	468
1	SIC-GR	1812	468
1	Synergetic	1810	500

SERVICING RECORD (Acidizing, Flushing, etc.)

SPELLOUT RECORD (Blow, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks
1970 9th Feb.	1810	1410'	135 sacks Const. cement.				
"	518	418'	40 sacks Const. cement. Felt @ 425'.				
"	Cut off casing 3' below ground level. Dropped 5 sacks plug and welded on plate. Erected Well Identifier.						

DRILL, STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.L Mins.	I.S.I.B.H.P.	F.S.I.R.H.P.	L.F.B.H.P.	F.F.B.H.P.	I.H.P.	V.H.P.	REMARKS
							N I L							

ANALYSIS

ANALYSIS						PRESENT STATUS OF WELL		
Lab. No.	Sample	From	To	Source	Remarks			(Interval.)
						Oil		
						Gas		(Interval.)
						Dry		D & A
						Susp.		

Central-Del Rio Oil Limited

Company

Signed by

Drilling Operations Superintendent

May 14th, 1970

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



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 for approval to abandon, to suspend drilling:—

Name and number of well CDR Triad Index et al Mills Lake N-74
Location: Unit N Section 74 Grid 61°20'N ; 117°15'W
Latitude 61°23'49.4"N Longitude 117°29'29.4"W
From Established Reference Marker Line 1, Shot Point 1 NW 1/4 Sec. 74
Universal Well Location Reference Lat. 61.23039°N Long. 117.49149°W
Permit No. 4248 Lease No. _____

Triad Oil Manitoba Limited
(Permitter, Licensee, Lessee)

Date of commencement of proposed program February 9th, 1970

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at _____
Gas at _____
Water at _____
Total Depth 1810 Date of last operations February 10th, 1970
Present condition of well D & A

CASING RECORD

Casing Size O.D. inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. <u>8 5/8</u>	<u>24</u>	<u>15 jts.</u>	<u>468'</u>	<u>To Surface</u>	
2.				<u>300 sacks + 3% CaCl₂</u>	
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
<u>1</u>	<u>1810 - 1410</u>	<u>T.D. to top of Limestone</u>	<u>135 + 3% CaCl₂</u>	
<u>2</u>	<u>418 - 518</u>	<u>Surface</u>	<u>40</u>	<u>Tagged at 425'</u>
<u>3</u>	<u>Surface Plug</u>	<u>Weld on Plate, install riser with identification marker.</u>		

The following logs have been run SIC-GR, DIL, PDC, SNP, Synergetic
Other operations proposed _____

Operations to be carried out by Regent Drilling (11) Contractor Licence No. 501
Address 1200 Calgary House, Calgary 1, Alberta Address _____
Responsible Agent in field Leo Navratil
Dated at Calgary this 4th Day of May 19 70
Signed by [Signature] Company Central-Del Rio Oils Limited
Title Drilling Operations Superintendent Operator's Exploratory Licence No. 1221

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 by Mr. G. E. Blue
on the 9th February 1970.

Dated 12th June 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. 413

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well CDR Triad Anderson et al Hills Lake 8-74
Location: Unit 74 Section 74 Grid 61°20' ; 117°15'
Latitude 61°13'49.4"N Longitude 117°29'29.4"W

Reference Marker Line 1 Shot Point 1 NW 1/4 Sec. 74

Universal Well Location Reference Lat. 61.23039° N. Long. 117.49149° W.

Elevation: Ground 526' K.B. 538 feet above sea-level

Well is expected to produce from Lonsely Bay (Log River) formation at a depth

of about 1516 K.B. feet. Expected total final depth 1878'

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4248 Lease No. Triad Oil Manitoba Ltd. Acreage 30,836

Permitter, licensee, or leasee

Exploratory Licence No.

Surface, owned by Crown

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	Grade of Cement
1. <u>8 5/8</u>	<u>24.5</u>	<u>J-55</u>	<u>New</u>	<u>250</u>	<u>To Surface</u>
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Hy-Drill model CR 900 x 10".

Ann type A.O.P. - Cameron SS 900 x 10". Closing unit Payne - 40 gals.

Shaffer drill pipe safety valve and Shaffer Kelly Cock.

Well will be drilled with Rotary Rig No. 11-H by Regent Drilling Co. Ltd.

(Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's business Licence No. 501

At well

At registered office

Address

Address

205 Ninth Avenue S.E., Calgary 21, Alta.

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

Dated at

this

day of

70

Signed for

Company

Canadian Pacific Oil and Gas Limited

Title

Operator's Licence No.

1221

(For Oil and Mineral Division use only)

APPROVED

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

1. The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
2. During well drilling and testing operations, every effort shall be made to ensure

Dated 27th January 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.

LAND 52-90-1 (3-69)

UNIQUE WELL IDENTIFIER - 300N746120117150

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. This Drilling Authority is being issued contingent upon the registration of Triad Oil Manitoba Ltd. with the Registrar of Companies for the Northwest Territories and the receipt by that Company of an Oil and Gas Exploratory Licence.



B.H.J. Thoms, Oil Conservation Engineer

CDR TRIAD ANDEX etal MILLS LAKE ~~11-11~~ ^{B-75}

WELL HISTORY REPORT

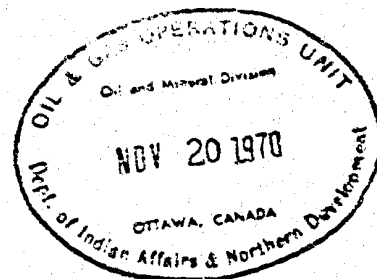
61-14-04-973

~~61-13-49-4~~

CDR Triad Andex et al Mills Lake ~~77~~ B-75

WELL HISTORY REPORT

on



CDR Triad Andex et al Mills Lake ~~77~~ B-75

B 75
Unit ~~77~~, Sec. ~~77~~, Grid. 61°20'N ; 117°15'W

Northwest Territories

CDR Triad Andex et al Mills Lake ~~74~~ 6-75

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WELL HISTORY REPORTSECTION I(a) Well Name and Number:

CDR Triad Andex et al Mills Lake ~~8-75~~ 8-75
 Unit ~~8~~ 75, Sec. 24, Grid. 61°20'N ; 117°15'W

(b) Permittee:

Triad Oil Manitoba Limited

(c) Operator:

Central-Del Rio Oils Limited
 205 Ninth Avenue S.E., Calgary 21, Alberta

(d) Location:

Unit ~~8~~ 75, Sec. 24, Grid. 61°20'N ; 117°15'W
 Latitude: 61°15'49"N Longitude: 117°29'29"W
 Universal Well Reference: 476 117-28-41.46
 Latitude: 61.23839°N Longitude: 117.49198°W
 Unique Well Identifier: 3008746120117150 46819

(e) Co-Ordinates

Nil

(f) Permit Number:

4248

(g) Drilling Contractor:

Regent Drilling Co. Limited
 Rig Number: 11-H

(h) Drilling Authority Number:

413 issued 27th January 1970

(i) Classification:

Exploratory Wildcat

(j) Elevation:

Ground Level 526 feet
 Kelly Bush 539 feet

(k) Spud Date:

February 3rd, 1970 at 12:01 A.M.

(con't.....)

- (l) Completed Drilling:
February 7th, 1970
- (m) Total Depth:
1810 feet
- (n) Well Status:
Dry and Abandon
- (o) Rig Release:
February 9th, 1970
- (p) Hole Sizes:
12 1/4" 0 - 468'
7 7/8" 468' - Total Depth
- (q) Casing:
8 5/8" 0 - 468'

Section II Geological Summary

(a)

<u>Formation Tops</u>	<u>Mechanical Logs</u>	<u>Sample</u>
Hay River	0	0
Horn River	856	-
Limestone Marker	1118	1120
Lonely Bay	1476	1475
Chinchaga	1628	1630
Red Beds	1733	1730
Granite Wash	1780	1780
Precambrian	1788	1790
Total Depth	1812	

(b) Cored Intervals: Core #1: 1452 - 1480 Lonely Bay
Rec. 27.5 feet

(cont.....)

(c)

CORE DESCRIPTION

Cut One Core 1452 - 1480 Rec. 27.5'

- 1452 - 1455.4 Limestone: medium brown, microcrystalline, sparry calcite stringers, bituminous material, disseminated pyrite, tentaculites, becoming dark brown, thin/medium bedded with tentaculites, styliolina, brachipod fragments
- 1455.4 - 1456.2 Limestone: black, very argillaceous, very thin bedded, bituminous material, and interbedded with limestone as above in 6" cyclic beds, lingula crinoid ossicles
- 1456.2 - 1461 dark brown/black, thin laminated, calcareous, tentaculites abundant, interbedded with limestone, medium brown, very argillaceous tentaculites, styliolina, ostracod, brachipod fragments, fetid
- 1461 - 1465.9 Shale & Limestone: as above, abundant tentaculites, styliolina lingula
- 1465.9 - 1470 Shale & Mudstone: dark gray brown/dark brown, slightly calcareous, pyrite nodules, fetid, thin (medium bedded, interbedded with limestone; medium/dark brown, micro-/very fine crystalline, argillaceous, wavy bedding, beds $\frac{1}{3}$ " thick, some slump structures, two $\frac{1}{2}$ vugs with drusy quartz
- 1470 - 1470.7 Mudstone: dark brown, slightly calcareous, dense, fetid
- 1470.7 - 1475.1 Limestone: medium brown, microcrystalline, argillaceous, abundant fossils, well preserved brachipod valves, crinoid fragments, tentaculites, trilobite - single live oil bleb in sparry calcite filled brachipod shell at 1472
- 1475.1 - 1479.5 Limestone: medium/dark brown micro/very fine crystalline, medium bedded, argillaceous abundant fossils, brachipods, crinoids, tentaculites, cup coral fragments (30% crinoids, 10% brachipods, 10% other, 50% micrite)

(cont.....)

(c)

SAMPLE DESCRIPTION

(Samples start at 50')

50 - 60	Siltstone:	very light gray, calcareous, very soft, micro-biotite flakes and shale: light gray, white streak, calcareous - (cavings of feldspar, quartz, black chert)
60 - 100	Shale:	light/medium green, very calcareous, soft, occasional limestone stringers, medium gray brown, micro-crystalline, argillaceous and silty
100 - 420	Shale:	light/medium green gray and gray green, calcareous, pyritic, silty, micro-micaceous with fossil cephalopod and brachipod fragments at 400.
420 - 450	Shale:	as above with stringers of siltstone: medium green gray, very calcareous, argillaceous
450 - 900	Shale:	as above with siltstone as above and occasional beds of marlstone; light/dark gray brown
900 - 1050	Shale:	light gray green slightly calcareous, pyrite, micro-micaceous, carbonaceous specks, micro-laminated, and intercalated with siltstone; dark gray brown/red brown
1050 - 1090	Shale:	as above becoming interlaminated (l.m. .2" min.) with shale, dark brown mottled light green, micro-micaceous
1090 - 1140	Limestone:	buff, microcrystalline, silty, very argillaceous interbedded with shale: dark brown, carbonaceous and marlstone, dark brown
1140 - 1420	Shale:	medium/dark brown, dark brown waxy streak, silty slightly calcareous, carbonaceous, firm, micro-micaceous, bituminous
1420 - 1452	Limestone:	medium/dark brown, microcrystalline, silty and argillaceous, slightly bituminous, with fossil ostracod and brachipod fragments
1452 - 1480	SEE CORE DESCRIPTION	
1480 - 1540	Limestone:	light/dark brown, micro/medium crystalline, argillaceous, very fossiliferous with well preserved brachipods with mother of pearl luster, crinoids, tentaculites, sparry calcite, and shale stringer, light brown calcareous; some earthy porosity with trace dead oil between 1490 and 1450

(e)

Paleontological Determinations - NIL

- 1540 - 1620 Limestone: very light brown, very fine' fine crystalline focal pellets, abundant crinoids becoming micro-crystalline towards base
- 1620 - 1640 Dolomite: light brown, microcrystalline, argillaceous and silty, some pin-point and earthy porosity with trace of dead oil, trace of anhydrite becoming medium/dark brown, micro/very fine crystalline, with coarse brown resinous anhydrite crystals
- 1640 - 1660 Dolomite: light/medium brown, very fine crystalline sucrosic, anhydrite, as above and white gypsum crystals, intercrystalline porosity
- 1660 - 1730 Anhydrite: brown, medium/coarse crystalline, with shale; dark green, dark green waxy streak, non calcareous, slightly silty with disseminated pyrite crystals and dolomite; light brown micro-crystalline with disseminated anhydrite crystals and interbedded with anhydrite as above
- 1730 - 1755 Shale: dark green, light green waxy streak, dolomitic, soft, flakey, with anhydrite and gypsum crystals, some clear quartz silt and occasional coarse pyrite crystals and some loose orange anhydrite crystals
- 1755 - 1780 Shale: rust/dark red, dolomitic, interlaminated with shale as above
- 1780 - 1790 quartz, feldspar, biotite, pink, orange, orthoclase (appears reworked)
- 1790 - 1810 Granite: biotite, and quartz plagioclase, quartzite

(cont.....)

(c)

CORING TIMES

<u>Depth</u>	<u>Min./Foot</u>
1452	
53	25
54	28
55	22
56	28
57	19
58	22
59	20
1460	18
61	21
62	20
63	22
64	20
65	20
66	27
67	23
68	25
69	22
1470	25
71	23
72	20
73	17
74	18
75	20
76	20
77	22
78	21
79	20
1480	20

(con't.....)

SECTION IIICASING RECORD

15 joints, 8 5/8", J-55, 24#. Landed at 468' K.B.
with 300 sacks cement plus 3% CaCl_2 . Plug down
at 4:30 A.M., February 4th, 1970. With good
returns.

(con't.....)

ABANDONMENT REPORT

Plug #1 1810' - 1410' 135 sacks cement.
Plug down at 3:15 A.M., February 9th, 1970.

Plug #2 418' - 518' 40 sacks cement. Plug down
at 4:05 A.M., February 9th, 1970. Felt
plug #2 at 425'.

Plug #3 Cut off casing 3' below Ground Level. Drop
5 sacks, plug and weld on plate. Erected
Well Identifier.

(con't.....)

DEVIATION RECORD

70° - 1/4°
100° - 1/2°
170° - 1/2°
310° - 3/4°
435° - 1/2°

770° - 1/2°
1080° - 1/4°
1450° - 1°
1810° - 1°

(con't.....)

BIT RECORD

	<u>NUMBER</u>	<u>SIZE</u>	<u>HOURS</u>	<u>FEET</u>	<u>INTERVAL</u>
	1	12 1/4	9 1/2	468	0 - 468
Corehead #	1		12	28	1452 - 1480
	2	7 7/8	17 1/4	330	1480 - 1810

(con't.....)

MUD RECORD

<u>TYPE</u>	<u>WEIGHT</u>	<u>VISCOSITY</u>			
Gel	8.8	50		Surface Hole	
Gel	9.0	55		Surface Hole	
Gel	8.7	33		Main Hole	
			<u>WATER LOSS</u>	<u>FILTER CAKE</u>	<u>P.H.</u>
Gel	8.9	37	--	--	--
Gel	9.1	58	9.0	2/32	11.0

SECTION IVLogs:

SIC-GR	1812' - 468'	February 8th, 1970
F.D.C.	1813' - 468'	February 8th, 1970
D.I.L.	1810' - 468'	February 8th, 1970
S.N.P.	1810' - 468'	February 8th, 1970
Lithology	1810' - 500'	February 8th, 1970

SECTION VAnalysis:

(a), (b), (c) and (d): Available from the Geological Department.

- | | |
|--------------------|-------------------------|
| (a) Core Analysis | - Core was not analysed |
| (b) Water Analysis | - Nil |
| (c) Gas Analysis | - Nil |
| (d) Oil Analysis | - Nil |

SECTION VI

Completion Summary:

Nil

GEOLOGICAL WELL REPORT

CDR TRIAD ANDEX et al MILLS LAKE ~~AREA~~ ²⁻⁷⁵

UNIT N SECTION 74 GRID 61° 20' N 117° 15' W.

MILLS LAKE AREA - NORTHWEST TERRITORIES

T. WALLACE

FEBRUARY, 1970.

GENERAL INFORMATION

WELL NAME: CER TRIAD ANDEX et al MILLS LAKE ~~W-11~~ *B-75*
LOCATION: *475*
~~W-11~~-61-20-117-15
ELEVATION: Ground 526 K.B. 539
FINAL TOTAL DEPTH: Driller 1812 Schlumberger 1814
CLASSIFICATION: Wildcat
DRILLING CONTRACTOR: Regent Drilling Rig #11
OPERATOR: Central-Del Rio Oils Limited
SPUDDED: 12 midnight February 2nd, 1970.
COMPLETED DRILLING: 10:55 p.m. February 7th, 1970.
STATUS: D & A
CORES: Core #1: 1452 - 1480 (Lonely Bay) Rec. 27.5'
DRILL STEM TESTS: None Run

FORMATION TOPS

<u>Gemma Bay-Sonic Top</u>	<u>Depth</u>	<u>Subser</u>
Hay River Fm.	Spud in	
Horn River Fm.	856	(- 317)
Limestone Marker	1118	(- 579)
Bituminous limestone marker	1430	(- 891)
Lonely Bay Fm.	1476	(- 937)
Chinchaga Fm.	1628	(-1089)
Red Beds	1733	(-1194)
Granite Wash ?	1780	(-1241)
Precambrian	1788	(-1249)

SAMPLE DESCRIPTION

(Samples start at 50')

50 - 60	Siltstone:	very light gray, calcareous, very soft, micro-biotite flakes and shale light gray, white streak, calcareous - (cavings of feldspar, quartz, black chert)
60 - 100	Shale:	light/medium green, very calcareous, soft, occasional limestone stringers, medium gray brown, micro-crystalline, argillaceous and silty
100 - 120	Shale:	light/medium green gray and gray green, calcareous, pyritic, silty, micro-micaceous with fossil cephalopod and brachipod fragments at 400.
120 - 150	Shale:	as above with stringers of siltstone medium green gray, very calcareous, argillaceous
150 - 900	Shale:	as above with siltstone as above and occasional beds of marlstone; light/dark gray brown
900 - 1050	Shale:	light gray green slightly calcareous, pyrite, micro-micaceous, carbonaceous specs, micro-laminated, and intercalated with siltstone, dark gray brown/red brown
1050 - 1090	Shale:	as above becoming interlaminated (l.m. .2" min.) with shale, dark brown mottled light green, micro-micaceous
1090 - 1140	Limestone:	buff, microcrystalline, silty, very argillaceous interbedded with shale dark brown, carbonaceous and marlstone, dark brown
1140 - 1120	Shale:	medium/dark brown, dark brown waxy streak, silty slightly calcareous, carbonaceous, firm, micro-micaceous, bituminous
1120 - 1152	Limestone:	medium/dark brown, microcrystalline, silty and argillaceous, slightly bituminous, with fossil ostracod and brachipod fragments
1152 - 1180	SEE CORE DESCRIPTION	
1180 - 1540	Limestone:	light/dark brown, micro/medium crystalline, argillaceous, very fossiliferous with well preserved brachipods with mother of pearl luster, crinoids, tentaculites, sparry calcite, and shale stringer, light brown calcareous; some earthy porosity with trace dead oil between 1190 and 1150

- 1540 - 1620 Limestone: very light brown, very fine fine crystalline focal pellets, abundant crinoids becoming micro-crystalline towards base
- 1620 - 1640 Dolomite: light brown, microcrystalline, argillaceous and silty, some pin-point and earthy porosity with trace of dead oil, trace of anhydrite becoming medium/dark brown, micro/very fine crystalline, with coarse brown resmous anhydrite crystals
- 1640 - 1660 Dolomite: light/medium brown, very fine crystalline sucrosic, anhydrite, as above and white gypsum crystals, intercrystalline porosity
- 1660 - 1730 Anhydrite: brown, medium/coarse crystalline, with shale; dark green, dark green waxy streak, non calcareous, slightly silty with disseminated pyrite crystals and dolomite; light brown micro-crystalline with disseminated anhydrite crystals and interbedded with anhydrite as above
- 1730 - 1755 Shale: dark green, light green waxy streak, dolomitic, soft, flakey, with anhydrite and gypsum crystals, some clear quartz silt and occasional coarse pyrite crystals and some loose orange anhydrite crystals
- 1755 - 1780 Shale: rust/dark red, dolomitic, interlaminated with shale as above
- 1780 - 1790 quartz, feldspar, biotite, pink, orange, orthoclase (appears reworked)
- 1790 - 1810 Granite: biotite, and quartz plagioclase, quartzite

CORE DESCRIPTION

Cut One Core 1452 - 1480 Rec. 27.5'

- 1452 - 1455.4 Limestone: medium brown, microcrystalline, sparry calcite stringers, bituminous material, disseminated pyrite, tentaculites, becoming dark brown, thin/medium bedded with tentaculites, styliolina, brachipod fragments
- 1455.4 - 1456.2 Limestone: black, very argillaceous, very thin bedded, bituminous material, and interbedded with limestone as above in 6" cyclic beds, lingula, crinoid ossicles
- 1456.2 - 1461 dark brown/black, thin laminated, calcareous, tentaculites abundant, interbedded with limestone, medium brown, very argillaceous tentaculites, styliolina, ostracod, brachipod fragments, fetid
- 1461 - 1465.9 Shale & Limestone: as above, abundant tentaculites, styliolina, lingula
- 1465.9 - 1470 Shale & Mudstone: dark gray brown/dark brown, slightly calcareous, pyrite nodules, fetid, thin (medium bedded, interbedded with limestone; medium/dark brown, micro-/very fine crystalline, argillaceous, wavy bedding, beds $\frac{1}{3}$ " thick, some slump structures, two $\frac{1}{2}$ vugs with drusy quartz
- 1470 - 1470.7 Mudstone: dark brown, slightly calcareous, dense, fetid
- 1470.7 - 1475.1 Limestone: medium brown, microcrystalline, argillaceous, abundant fossils, well preserved brachipod valves, crinoid fragments, tentaculites, trilobite - single live oil bleb in sparry calcite filled brachipod shell at 1472
- 1475.1 - 1479.5 Limestone: medium/dark brown micro/very fine crystalline, medium bedded, argillaceous, abundant fossils, brachipods, crinoids, tentaculites, cup coral fragments (30% crinoids, 10% brachipods, 10% other, 50% micrite)

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

DATE Feb 9/70 REPORT NO. 7

WELL NAME C.D.R. Mills Lake N. 74
Sec. 74 61° N. Lat. 117° 15' W. Lat.
 LOCATION LSD. SEC. 74 TWP. 117 RGE. 15

PLEASE SHOW FOOTAGE MADE WHILE
 "CONTROL DRILLING" AS WELL AS HOURS
 AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

PUMPS		STROKE LENGTH		DATE <u>Feb 9/70</u>		WELL NAME <u>C.D.R. Mills Lake N. 74</u>		LOCATION <u>LSD.</u> SEC. <u>74</u> TWP. <u>117</u> RGE. <u>15</u>		REMARKS		TIME		
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE	LAST CASING SET AT	DATE	WELL NAME	LOCATION	SEC.	TWP.	RGE.	REMARKS	START	STOP	INT. VAL.
NO. 1 <u>Emco</u>	<u>D-300</u>	<u>14"</u>												
NO. 2 <u>Emco</u>	<u>D-175</u>	<u>12"</u>	<u>5 7/8"</u>	<u>468 K.B.</u>										
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS														
DRILLER <u>J. Daah</u>	<u>8</u>													
DERRICK <u>J. Larratt</u>	<u>8</u>													
FLOOR <u>R. Barin</u>	<u>8</u>													
FLOOR <u>E. Smith</u>	<u>8</u>													
FLOOR <u>R. Lato</u>	<u>5</u>													
FIREMAN														
MECHANIC														
INJURIES														
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS														
DRILLER <u>G. Czapp</u>	<u>12</u>													
DERRICK <u>J. Boyko</u>	<u>12</u>													
FLOOR <u>D. Jensen</u>	<u>12</u>													
FLOOR <u>R. Lane</u>	<u>12</u>													
FLOOR <u>C. Hier</u>	<u>12</u>													
FIREMAN														
MECHANIC														
INJURIES <u>D. Jensen Bumped</u>														
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS														
DRILLER <u>J. Daah</u>	<u>12</u>													
DERRICK <u>J. Larratt</u>	<u>12</u>													
FLOOR <u>R. Barin</u>	<u>12</u>													
FLOOR <u>E. Smith</u>	<u>12</u>													
FLOOR <u>R. Lato</u>	<u>12</u>													
FIREMAN														
MECHANIC														
INJURIES														

TOOLPUSHER A. Carlett
 APPROVED BY L.W. Navratil

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>EMSCO</i>	<i>D360</i>	<i>14</i>
NO. 2 <i>EMSCO</i>	<i>D175</i>	<i>12</i>

LAST CASING SIZE	LAST CASING SET AT
<i>8 7/8</i>	<i>468</i>

DATE *Feb 8/70*
RIG NO. *11*

WELL NAME *CAR Mills Lake N. 7#*
SEC. 74 61° N. LAT. 117° 15' W. LAT
LOCATION LSD. SEC. TWP. RGE.

DATE *Feb 8/70* REPORT NO. *6*

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
		1810		600	17-1/2	350	8							1810	1°		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
13	STANDS	FT.	4	7/8	2-10	954586	SCM	Cue	1480	1810	330	174					
2	SINGLES	127555															
17	D.C.'S	50417															
2	SUB	625	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
	SUB	FT.	WEIGHT	9.0	Imp			5.8	3/32	10.5	Safety Meeting						
	BIT OR C.B.	FT.	VISCOSITY	110	Imp			ADDITIVES	Chin Rig is a soft rig								
		FT.	PUMP PRESSURE	1100	Imp			change gland packing in									
	KELLY IN	24.03	R.P.M. PUMP NO. 1	62	Imp			D-300 Flywheel side									
			R.P.M. PUMP NO. 2														
TOTAL	1810-00	FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE												

REMARKS	START	STOP	INT VAL
<i>Low R. g. B.O.P.S.</i>	<i>1200</i>	<i>1215</i>	<i>15</i>
<i>Out to Log</i>	<i>130</i>	<i>130</i>	<i>14</i>
<i>Rug to Log & Log</i>	<i>130</i>	<i>130</i>	<i>6 1/2</i>
<i>Stop Out</i>			
<i>1810.00</i>			
<i>180979</i>			
<i>DIFF 21</i>			
<i>3' fuel</i>			

TOUR NO. 2 8 A.M. TO 4 P.M. HOURS

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS		DEGREES		
1810	NIL	1810	NIL	6000	17X6 1/8	35000		8	6250	34	6250	1060	April		1810'	10			
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION		
13	STANDS		FT.														1	Flow	
2	SINGLES	127555	FT.														2	Flow	
17	D.C.'S	50417	FT.														3	J	
2	SUB 1.0	625	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						4	
	SUB		FT.	WEIGHT													5		
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES										
			FT.	PUMP PRESSURE															
	KELLY IN	2403	FT.	R.P.M. PUMP NO.1															
				R.P.M. PUMP NO.2															
TOTAL 1810.00			FT.	PUMP NO. 1 LINER SIZE 5'X14"	PUMP NO. 2 LINER SIZE 5'X12"														

REMARKS	START	STOP	INT VAL
<i>Logging and well out</i>	<i>8:00</i>		
<i>Log to Log</i>	<i>4:00</i>	<i>5</i>	
<i>From Dual Production Potatoes</i>			
<i>Integrated sonic B.H.C. Gamma Ray Log</i>			
<i>Formation Density</i>			
<i>Signal Wall Neutron</i>			
<i>Lithology Log</i>			
<i>Synthetic Log</i>			

TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS

FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES					
																8		22.16		34		6250		1060		April									
NO.	DRILLING STRING			BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT		RPM		FOOTAGE FROM		FOOTAGE TO		FOOTAGE		HOURS		CORED FROM		CORED TO		REAMED FROM		REAM-ED TO		CONDIT-ION	
19	STANDS			FT.																															
1	SINGLES			1801.75 FT.																															
	D.C.'S			FT.																															
	SUB			FT.		MUD		4 P.M.		6 P.M.		8 P.M.		10 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS													
	SUB			FT.		WEIGHT																fuel 2 1/2 feet													
	BIT OR C.B.			FT.		VISCOSITY										ADDITIVES																			
				FT.		PUMP PRESSURE																													
	KELLY IN			9.00 FT.		R.P.M. PUMP NO. 1																													
						R.P.M. PUMP NO. 2																													
TOTAL				1510.00 FT.		PUMP NO. 1 LINER SIZE				PUMP NO. 2 LINER SIZE																									

REMARKS	START	STOP	INT VAL
<i>Wait on Circulation</i>	<i>4</i>	<i>6</i>	<i>2</i>
<i>Lay down 8 drill</i>	<i>6</i>		
<i>Call on Pan in open end</i>			
<i>pick up 12 drile</i>	<i>8</i>	<i>2</i>	
<i>Circulate wait on orders</i>	<i>8</i>	<i>4</i>	

DRILL PIPE SIZE *4 1/2* TYPE *FH*

TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
<i>120</i>						

B.O.P.'S TESTED

ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.

TOOLPUSHER *A. Corbett*
APPROVED BY *L.W. Navarrete*

DAY WORK RECORD

DATE Feb 7/70 REPORT NO. 5

VERY POOR COPY

DAY WORK RECORD

DATE Feb 6/70 REPORT NO. 4

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

PUMPS										DATE										REPORT NO.															
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		SEC. 74. 61° 23' N. LAT. 117° 15' W. LAT		LOCATION LSD.		SEC.		TWP.		RGE.		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.											
NO. 1 ENSO		0300		14		4 8 3/4		4 6 8		11		C-70		C-70		C-70		C-70		C-70		C-70		C-70		REMARKS									
NO. 2 ENSO		0175		12		4 8 3/4		4 6 8		11		C-70		C-70		C-70		C-70		C-70		C-70		C-70		REMARKS									
TOUR NO. 1 MIDNIGHT TO 8 A.M.		HOURS		1265		1452		234		55		1768		35M		8		8		8		8		8		REMARKS									
DRILLER		J. GUNSOLEY		8		1265		1452		234		55		1768		35M		8		8		8		8		REMARKS									
DERRICK		R. GARDIFFE		8		1265		1452		234		55		1768		35M		8		8		8		8		REMARKS									
FLOOR		F. GAMBLIN		8		1265		1452		234		55		1768		35M		8		8		8		8		REMARKS									
FLOOR		M. CLARK		8		1265		1452		234		55		1768		35M		8		8		8		8		REMARKS									
FLOOR		O. MACDONALD		8		1265		1452		234		55		1768		35M		8		8		8		8		REMARKS									
FIREMAN																										REMARKS									
MECHANIC																										REMARKS									
INJURIES																										REMARKS									
TOUR NO. 2 8 A.M. TO 4 P.M.		HOURS		1452		4		1456		11/2		5600		1768		3500		8		8		8		8		REMARKS									
DRILLER		J. DACH		8		1452		4		1456		11/2		5600		1768		3500		8		8		8		REMARKS									
DERRICK		S. LARSEN		8		1452		4		1456		11/2		5600		1768		3500		8		8		8		REMARKS									
FLOOR		R. BARR		8		1452		4		1456		11/2		5600		1768		3500		8		8		8		REMARKS									
FLOOR		E. SMITH		8		1452		4		1456		11/2		5600		1768		3500		8		8		8		REMARKS									
FLOOR		R. ROTE		8		1452		4		1456		11/2		5600		1768		3500		8		8		8		REMARKS									
FIREMAN		K. NIELSEN		8		1452		4		1456		11/2		5600		1768		3500		8		8		8		REMARKS									
MECHANIC																										REMARKS									
INJURIES																										REMARKS									
TOUR NO. 3 4 P.M. TO MIDNIGHT		HOURS		1456		24		1480		8		5600		1768		3500		8		8		8		8		REMARKS									
DRILLER		K. CZAPPA		8		1456		24		1480		8		5600		1768		3500		8		8		8		REMARKS									
DERRICK		J. BAYKO		8		1456		24		1480		8		5600		1768		3500		8		8		8		REMARKS									
FLOOR		D. JENSEN		8		1456		24		1480		8		5600		1768		3500		8		8		8		REMARKS									
FLOOR		R. LANE		8		1456		24		1480		8		5600		1768		3500		8		8		8		REMARKS									
FLOOR		G. HIEN		8		1456		24		1480		8		5600		1768		3500		8		8		8											

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 5/50 REPORT NO. 3

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <u>EMSCO</u>	<u>300</u>	<u>17</u>
NO. 2 <u>EMSCO</u>	<u>175</u>	<u>12</u>

EACH EMPLOYEE MUST SIGN THIS BOOK
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

DRILLER <u>E. G. GUNNELLY</u>	<u>8</u>
DERRICK <u>R. CAMPBELL</u>	<u>8</u>
FLOOR <u>E. G. GUNNELLY</u>	<u>8</u>
FLOOR <u>M. CLARK</u>	<u>8</u>
FLOOR <u>C. M. MANNING</u>	<u>8</u>
FIREMAN	
MECHANIC	
INJURIES	

DATE	RIG NO.	LOCATION	SEC.	TWP.	RGE.												
<u>Feb 5</u>	<u>11</u>	<u>CR MILLS LAKE N-74</u>	<u>SEC. 77, 61° 20' N. LAT. 117° 15' W. L.</u>														
LAST CASING SIZE	LAST CASING SET AT	FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES	
<u>8 3/4</u>	<u>468</u>																
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
1	SINGLES		2	7/8	3-10	750514	ST3										
1	D.C.'S		3121	FT.													
1	SUB	1	360	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS				
1	SUB	1	265	FT.	WEIGHT												
	BIT OR C.B.		4	FT.	VISCOSITY												
				FT.	PUMP PRESSURE												
	KELLY IN		900	FT.	R.P.M. PUMP NO. 1												
				FT.	R.P.M. PUMP NO. 2												
				FT.	PUMP NO. 1 LINER SIZE												
				FT.	PUMP NO. 2 LINER SIZE												
				FT.													

REMARKS	START	STOP	INT VAL
<u>See log check Rk. 1</u>			
<u>1500 lb. bit CR.</u>			
<u>Run in hole line station</u>			
<u>Pressure up pipe same 4 ft.</u>			
<u>15 min. 1500 Held OK</u>			
<u>Pressure up 4 1/2 pipe same</u>			
<u>7 Hydric 1500 Held OK</u>			
<u>Check motor shut off</u>			

TOUR NO. 2 8 A.M. TO 4 P.M. HOURS

DRILLER <u>D. Daeh</u>	<u>8</u>
DERRICK <u>S. Larrat</u>	<u>8</u>
FLOOR <u>R. Barrie</u>	<u>8</u>
FLOOR <u>E. Smith</u>	<u>8</u>
FLOOR <u>R. Lott</u>	<u>8</u>
FIREMAN <u>K. Pulsen</u>	<u>8</u>
MECHANIC	
INJURIES	

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TON MILES	FEET	AT MILES	ON SPOOL	LAST CUT					
468	177	645	2 3/4	46	17X6/8	4400	8											
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	PEAMED FROM	REAM-ED TO	CONDIT-ION	
1	STANDS	43.72	FT.	1	7 7/8	3-10	750514	51.3	30	80	468	645	177 2 3/4					
	SINGLES		FT.															
17	D.C.'S	504	12	FT.														
2	SUB X.O.	6.25	FT.	MJD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
	SUB		FT.	WEIGHT				86										
	BIT OR C.B.		FT.	VISCOSITY				28	ADDITIVES									
			FT.	PUMP PRESSURE				1050	2" stream water									
	KELLY IN	41.00	FT.	R.P.M. PUMP NO.1				102										
			FT.	R.P.M. PUMP NO.2														
TOTAL		645.12	FT.	PUMP NO. 1 LINER SIZE 5"X14"	PUMP NO. 2 LINER SIZE 5"X12"													
												FEET LEFT	DATE OF	AT	SURVEYS	DEGR		

REMARKS	START	STOP	INT VAL
<u>Finish up steam and flow</u>			
<u>line back up</u>			
<u>Drill out shoe</u>			
<u>Drilling</u>			
<u>Churn Tanks Pick up Catwalk</u>			
<u>Drilling</u>			
<u>work on stock P. just heat</u>			

TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS

DRILLER <u>G. CZAPP</u>	<u>8</u>
DERRICK <u>J. Boyko</u>	<u>8</u>
FLOOR <u>D. JENSEN</u>	<u>8</u>
FLOOR <u>R. LANG</u>	<u>8</u>
FLOOR <u>G. HIEN</u>	<u>8</u>
FIREMAN	
MECHANIC	
INJURIES	

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON-MILES	LINE CUT FEET	AT MILES	ON SPOOL	LAST CUT				
645	620	1265	7 1/2	50	17X6 1/8	40000	8							770	1080	1/2	
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAM-ED TO	CON- DITION
7	STANDS	FT. 1	7 7/8	3-10	750514	ST3	30 1/2	80	468	1265	797	10 1/4					Run
2	SINGLES	713.99 FT.															
17	D.C.'S	504.17 FT.															
SUB	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
X.O	625		8.7	8.4	8.8	8.6											
SUB	FT.	WEIGHT															
BIT OR C.B.	FT.	VISCOSITY	28	28	28	28	ADDITIVES										
	FT.	PUMP PRESSURE	1000	1050	1050	1050	Water										
KELLY IN	FT.	R.P.M. PUMP NO. 1	62	62	62	62											
	FT.	R.P.M. PUMP NO. 2															
TOTAL	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE		5 1/2											
												LAST	RESULTS	CODE LETTER			

REMARKS	START	STOP	INT VAL
<u>Drill</u>			
<u>Pig Des. Run Survey</u>			
<u>Drill</u>			
<u>Run Survey</u>			
<u>Drill</u>			

DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
<u>4 1/2</u>	<u>FH</u>							
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE	RESULTS	TOTCO RING ON BIT NO.		

TOOLPUSHER P. Corbett
APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 4/70 REPORT NO. 2

PUMPS		
MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <u>EMSCO</u>	<u>300</u>	<u>14</u>
NO. 2 <u>EMSCO</u>	<u>175</u>	<u>12</u>

EACH EMPLOYEE MUST SIGN THIS BOOK
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

DRILLER <u>R. GUNNELLY</u>	<u>8</u>
DERRICK <u>B. GARDNER</u>	<u>8</u>
FLOOR <u>E. GAMBLIN</u>	<u>8</u>
FLOOR <u>M. CLARK</u>	<u>8</u>
FLOOR <u>B. MACDONALD</u>	<u>8</u>
FIREMAN	
MECHANIC	
INJURIES	

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM		DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S		D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES
			468				14-1/4		30M		10						435	120
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
	STANDS	FT.																
	SINGLES	312 FT.																
14	D.C.'S	415.71 FT.																
	SUB	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
2	SUBS	732 FT.	WEIGHT															
	BIT OR C.B.	FT.	VISCOSITY						ADDITIVES									
		FT.	PUMP PRESSURE										Plug down 4:20					
	KELLY IN	1376 FT.	R.P.M. PUMP NO.1															
			R.P.M. PUMP NO.2										2' fuel top tank					
TOTAL			468 00	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5										

REMARKS	START	STOP	INT VAL
<u>Wait on Cement</u>	<u>1200</u>	<u>200</u>	<u>2</u>
<u>Run up to cement surface</u>	<u>200</u>		
<u>Set cement, pump plug down</u>	<u>230</u>		
<u>with rig pump hitting</u>			
<u>1200/60 pressure</u>		<u>430</u>	<u>1</u>
<u>W. O. C.</u>	<u>430</u>	<u>800</u>	<u>3/2</u>
<u>Plug down 4:20</u>			
<u>2' fuel tip tank</u>			
<u>Hard cement returns</u>			

DRILLER <u>J. Lach</u>	<u>8</u>
DERRICK <u>S. Kaurath</u>	<u>8</u>
FLOOR <u>R. Barrie</u>	<u>8</u>
FLOOR <u>K. Nielsen</u>	<u>8</u>
FLOOR <u>R. Lato</u>	<u>8</u>
FIREMAN <u>E. Smith</u>	<u>8</u>
MECHANIC	
INJURIES	

S	FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S		D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS		DEGREES
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.		TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAM-ED TO	CONDIT-ION	
	STANDS		FT.																	
	SINGLES		FT.																	
	D.C.'S		FT.																	
	SUB.		FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS								
	SUB		FT.	WEIGHT																
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES											
			FT.	PUMP PRESSURE																
	KELLY IN		FT.	R.P.M. PUMP NO.1																
				R.P.M. PUMP NO.2																
	TOTAL		FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE														

REMARKS	START	STOP	INT VAL
<u>W. O. C.</u>	<u>500</u>	<u>400</u>	<u>1/2</u>

DRILLER <u>G. CZAPP</u>	<u>8</u>
DERRICK <u>J. Boyko</u>	<u>8</u>
FLOOR <u>A. JENSEN</u>	<u>8</u>
FLOOR <u>R. LANG</u>	<u>8</u>
FLOOR <u>G. HIEN</u>	<u>8</u>
FIREMAN	
MECHANIC	
INJURIES	

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S		D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS	DEGREES
										8								
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAM-ED TO	CONDIT-ION
	STANDS		FT.															
	SINGLES		FT.															
	D.C.'S		FT.															
	SUB		FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
	SUB		FT.	WEIGHT								checked motor						
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES			shut offs.						
			FT.	PUMP PRESSURE														
	KELLY IN		FT.	R.P.M. PUMP NO. 1														
				R.P.M. PUMP NO. 2														
TOTAL				FT.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE												

REMARKS	START	STOP	INT VAL
<u>W. O. C.</u>	<u>4</u>	<u>430</u>	<u>1/2</u>
<u>Back off landing joint</u>	<u>430</u>		
<u>Lower and Casing Bowl</u>			
<u>Healing up B.O.P.S</u>		<u>12 7/2</u>	
<u>checked motor</u>			
<u>shut offs.</u>			

DRILL PIPE SIZE <u>H 1/2</u>	TYPE <u>F.H.</u>	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.				

TOOLPUSHER A. Corbett
APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 JEMSCO	300	14
NO. 2 JEMSCO	175	12

LAST CASING SIZE LAST CASING SET AT

DATE Feb 3/70

WELL NAME C.D.R. ET AL MILLS LAKE - N-74
S2C.74. 61° 20' N. LAT. 117° 15' W. LAT

DATE Feb 3/70 REPORT NO. 1

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

EACH EMPLOYEE MUST SIGN THIS BOOK
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES
0	255	255	12	35	7-64	16m	8							70 14
DRILLER R. GINSOLLEY	12													
DERRICK B. GARDNER	12													
FLOOR E. GAMBLIN	12													
FLOOR M. CLARK	12													
FLOOR J. MACDONALD	12													
FIREMAN														
MECHANIC														
INJURIES														
TOTAL	255	255	12	35	7-64	16m	8							70 14

REMARKS	START	STOP	INT VAL
Setting up	1200	1000	1
Drill Surface Hole	1000	200	1/4
Surf	200	215	1/4
Drill	215	245	1/2
Surf	245	315	1/2
Drill	315	615	3
Surf	615	700	3/4
Drill	700	800	1
Drill	800		

TOUR NO. 2
8 A.M. TO 4 P.M. HOURS

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES
255	213	468	4	35	14-6/16	30000	8							310 74
DRILLER R. E. ZAPP	8													
DERRICK J. BOYKO	8													
FLOOR D. JENSEN	12													
FLOOR R. LANG	8													
FLOOR G. HIEN	8													
FIREMAN E. SMITH	9													
MECHANIC														
INJURIES														
TOTAL	468.00	468	4	35	14-6/16	30000	8							310 74

REMARKS	START	STOP	INT VAL
Drill	800	900	1
Surf Trip Out to run	900	1030	1 1/2
Surf 310 3/4	1030		
Drilling 12 1/4 hole	1030	1230	2
Work on this line	1230	1	1/2
Drop Line Pull out Measured	1		
Run back in	230	1/2	
Drill 12 1/4 hole	230	330	1
Circulate for casing	330	4	1/2

TOUR NO. 3
4 P.M. TO MIDNIGHT HOURS

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES
1	312	415.71	14	35	14-6/16	30000	8							
DRILLER J. DACH	8													
DERRICK J. RARROTT	8													
FLOOR R. BARNIN	8													
FLOOR K. NIELSEN	8													
FLOOR R. LATE	8													
FIREMAN														
MECHANIC														
INJURIES														
TOTAL	468.00	468	4	35	14-6/16	30000	8							

REMARKS	START	STOP	INT VAL
Pull out for Run Casing	4	5	1
Run Mud line Rig	5		
Run 8 1/2 casing	545	3/4	
Run same	545	8 1/2	2 1/2
Wait on cement	8 1/2	1200	3 3/4

DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED								

TOOLPUSHER A. Conliff
APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 2</u>		WELL NAME <u>CORRYAL MILLS LAKE N-74</u>		DATE <u>Feb 2</u>		REPORT NO. _____													
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____													
NO. 1 <u>EMSCO</u>	<u>300</u>	<u>14</u>	<u>6</u>		<u>0</u>				PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.													
NO. 2 <u>EMSCO</u>	<u>175</u>	<u>12</u>																				
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES	REMARKS	TIME	START	STOP	INT VAL
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS																						
DRILLER	<u>R GUNSOLLEY</u>	<u>12</u>																				
DERRICK	<u>S GARDIPEE</u>	<u>12</u>																				
FLOOR	<u>E GAMBLIN</u>	<u>12</u>																				
FLOOR	<u>M. CLARK</u>	<u>12</u>																				
FLOOR	<u>O MACDONALD</u>	<u>12</u>																				
FIREMAN	<u>E SMITH</u>	<u>10</u>																				
MECHANIC																						
INJURIES																						
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS																						
DRILLER	<u>GOZAPP</u>	<u>12</u>																				
DERRICK	<u>J. Boyco</u>	<u>12</u>																				
FLOOR	<u>D. JENSEN</u>	<u>16</u>																				
FLOOR	<u>R LANG</u>	<u>12</u>																				
FLOOR	<u>G HEIN</u>	<u>12</u>																				
FIREMAN																						
MECHANIC																						
INJURIES																						
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS																						
DRILLER																						
DERRICK																						
FLOOR																						
FLOOR																						
FLOOR																						
FIREMAN																						
MECHANIC																						
INJURIES																						

TOOLPUSHER A. Corbett

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

PUMPS			MANUFACTURER		TYPE		STROKE LENGTH		DATE		WELL NAME		DATE		REPORT NO.	
NO. 1									DATE <u>Feb 1 1970</u>		WELL NAME <u>CDR ET AL MILLS LAKE N74</u>		DATE		REPORT NO.	
NO. 2									RIG NO.		LOCATION LSD.		SEC.		TWP.	
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT	
TOUR NO.1 MIDNIGHT TO 8 A.M.			HOURS													
DRILLER			NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE	
DERRICK			STANDS		FT.											
FLOOR			SINGLES		FT.											
FLOOR <u>E. SMITH</u>			D.C.'S		FT.											
FLOOR <u>R.C.</u>			SUB		FT.		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.	
FIREMAN			SUB		FT.		WEIGHT									
MECHANIC			BIT OR C.B.		FT.		VISCOSITY						ADDITIVES			
INJURIES			KELLY IN		FT.		PUMP NO. 1									
							PUMP NO. 2									
TOTAL			FT.		PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE									
TOUR NO. 2			FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT	
8 A.M. TO 4 P.M.			HOURS													
DRILLER <u>G. CLAPP</u>			NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE	
DERRICK <u>J. BOYKO</u>			STANDS		FT.											
FLOOR <u>D. JENSEN</u>			SINGLES		FT.											
FLOOR <u>R. LANG</u>			D.C.'S		FT.											
FLOOR <u>G. HIEN</u>			SUB		FT.		MUD		8 A.M.		10 A.M.		12 NOON		2 P.M.	
FIREMAN			SUB		FT.		WEIGHT									
MECHANIC			BIT OR C.B.		FT.		VISCOSITY						ADDITIVES			
INJURIES			KELLY IN		FT.		PUMP NO. 1									
							PUMP NO. 2									
TOTAL			FT.		PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE									
TOUR NO. 3			FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT	
4 P.M. TO MIDNIGHT			HOURS													
DRILLER <u>R. GUNSOLEY</u>			NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE	
DERRICK <u>B. GARDIPEE</u>			STANDS		FT.											
FLOOR <u>E. GAMBLIN</u>			SINGLES		FT.											
FLOOR <u>M. CLARK</u>			D.C.'S		FT.											
FLOOR <u>O. MACDONALD</u>			SUB		FT.		MUD		4 P.M.		6 P.M.		8 P.M.		10 P.M.	
FIREMAN			SUB		FT.		WEIGHT									
MECHANIC			BIT OR C.B.		FT.		VISCOSITY						ADDITIVES			
INJURIES			KELLY IN		FT.		PUMP NO. 1									
							PUMP NO. 2									
TOTAL			FT.		PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE									
DRILL PIPE SIZE			TYPE		TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED		FOOTAGE DRILLED SINCE LAST SONOSCOPED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS	
B.O.P.'S TESTED			ELAPSED TIME		PRESSURE		RESULTS		TOTCO RING ON BIT NO.							

TOOLPUSHER A. Corbett

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Jan 31 / 70</u>		WELL NAME <u>COR ET AL MILLS LK. N-74</u>		DATE <u>Jan 31 / 70</u>		REPORT NO. <u>W. 1002</u>												
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>		LOCATION LSD. <u>SEC. 74-610 20' N. LAT. 117° 15'</u>												
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES	REMARKS	TIME		
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS																START	STOP	INT VAL
DRILLER																					
DERRICK																					
FLOOR																					
FLOOR	<u>E. SMITH.</u>	<u>10</u>																			
FLOOR																					
FIREMAN																					
MECHANIC																					
INJURIES																					
TOTAL																					
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS																		
DRILLER	<u>G. CZAPP.</u>	<u>10</u>																			
DERRICK	<u>J. BOYKO</u>	<u>10</u>																			
FLOOR	<u>D. JENSEN.</u>	<u>10</u>																			
FLOOR	<u>R. LANG.</u>	<u>10</u>																			
FLOOR	<u>G. HIEN.</u>	<u>10</u>																			
FIREMAN																					
MECHANIC																					
INJURIES																					
TOTAL																					
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS																		
DRILLER	<u>R. GUNSOLEY</u>	<u>10</u>																			
DERRICK	<u>B. GARNLEE</u>	<u>10</u>																			
FLOOR	<u>F. GAMBLIN</u>	<u>10</u>																			
FLOOR	<u>M. CLARK</u>	<u>10</u>																			
FLOOR	<u>G. MACDONALD</u>	<u>10</u>																			
FIREMAN																					
MECHANIC																					
INJURIES																					
TOTAL																					

DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE		RESULTS		TOTCO RING ON BIT NO.

TOOLPUSHER A. Corbett

APPROVED BY _____

DAY WORK RECORD

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>JAN 29/70</u>		WELL NAME <u>C.D.R. MILLS LAKE N74</u>		REPORT NO. _____	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			LOCATION LSD. <u>SEC. 74</u>		TWP. <u>117°15' W. LONG</u>		RGE. <u>61°20' N LAT.</u>	
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S
TOUR NO. 1 MIDNIGHT TO 8 A.M.			TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL
TOUR NO. 1 MIDNIGHT TO 8 A.M.			DATE OF LAST CUT	AT SURVEYS	DEGREES	REMARKS		
TOUR NO. 1 MIDNIGHT TO 8 A.M.			START	STOP	INT VAL	TIME		
DRILLER			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.
DERRICK			STANDS	FT.				
FLOOR			SINGLES	FT.				
FLOOR			D.C.'S	FT.				
FLOOR <u>E. Smith</u>	<u>10</u>		SUB	FT.	MUD	12 MID.	2 A.M.	4 A.M.
FIREMAN			SUB	FT.	WEIGHT			
MECHANIC			BIT OR C.B.	FT.	VISCOSITY			
INJURIES				FT.	PUMP PRESSURE			
			KELLY IN	FT.	R.P.M. PUMP NO. 1			
				FT.	R.P.M. PUMP NO. 2			
			TOTAL	FT.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE		
TOUR NO. 2 8 A.M. TO 4 P.M.	HOURS		FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S
DRILLER <u>G. Czapp</u>	<u>8</u>		TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL
DERRICK <u>J. Boyko</u>	<u>8</u>		DATE OF LAST CUT	AT SURVEYS	DEGREES	REMARKS <u>Rig up</u>		
FLOOR <u>D. Jensen</u>	<u>8</u>		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.
FLOOR <u>G. Hien</u>	<u>8</u>		STANDS	FT.				
			SINGLES	FT.				
			D.C.'S	FT.				
			SUB	FT.	MUD	8 A.M.	10 A.M.	12 NOON
			SUB	FT.	WEIGHT			
			BIT OR C.B.	FT.	VISCOSITY			
				FT.	PUMP PRESSURE			
			KELLY IN	FT.	R.P.M. PUMP NO. 1			
				FT.	R.P.M. PUMP NO. 2			
			TOTAL	FT.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE		
TOUR NO. 3 4 P.M. TO MIDNIGHT	HOURS		FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S
DRILLER			TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL
DERRICK			DATE OF LAST CUT	AT SURVEYS	DEGREES	REMARKS		
FLOOR			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.
FLOOR			STANDS	FT.				
FLOOR			SINGLES	FT.				
FLOOR			D.C.'S	FT.				
FLOOR			SUB	FT.	MUD	4 P.M.	6 P.M.	8 P.M.
FIREMAN			SUB	FT.	WEIGHT			
MECHANIC			BIT OR C.B.	FT.	VISCOSITY			
INJURIES				FT.	PUMP PRESSURE			
			KELLY IN	FT.	R.P.M. PUMP NO. 1			
				FT.	R.P.M. PUMP NO. 2			
			TOTAL	FT.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE		
DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.	TOOLPUSHER <u>A. Carhart</u>			
					APPROVED BY _____			

DAY WORK RECORD

DATE Jan 28, 1970 REPORT NO. _____

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

[illegible]