

Drilling Authority No. 506
Date Issued 15 February 1971

WELL NAME: Atkinson CSP Trout Lake M-51
FIELD: Area:
LOCATION: Unit 1 Section 22 Grid 60-30-181-00
Latitude 60-20-57 Longitude 121-10-17.5
U.W.L.R. 60.34916 --- 121.17286
U.W.I. 3005516630121000

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
15-2-71	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells - Vitter's Method.
	M.P.R. - Oil - Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....



File No.
Drilling Authority No. 506

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well

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

Name and number of well Atkinson 1117 Trout Lake 11-51
Location: Unit 2 Section 21 Grid 60°30'N 121°30'W
Latitude 60 20'57 Longitude 121 10'47.5
From Established Reference Marker
Universal Well Location Reference Lat. 60.34916 N. Long. 121.17846
Permit No. 1117-11-51 Lease No. 485-B-60

Canada Southern Petroleum
(Permitter, Licensee, Lessee)

Date of commencement of proposed program March 10, 1971

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at
Gas at Indeterminant
Water at Indeterminant
Total Depth 7262' Date of last operations March 10, 1971
Present condition of well Abandoned

CASING RECORD

Casing Size O.D. inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. <u>9 5/8"</u>	<u>360</u>	<u>12 jts.</u>	<u>755'</u>	<u>530 + 20 Cact.</u>	
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	<u>7262-7162</u>	<u>Chinleaga</u>	<u>45</u>	<u>+ .04% retarder</u>
2	<u>6930-6430</u>	<u>Slave Pt.</u>	<u>65</u>	
3	<u>6320-6220</u>	<u>" "</u>	<u>65</u>	
4	<u>800-700</u>		<u>75</u>	<u>+3% Cact.</u>

The following logs have been run BNCS, DIL, FD, SWMP, I.E. Diameter
Other operations proposed

Operations to be carried out by Regent Drilling Contractor Licence No. 740
Address Calgary, Alberta. Address
Responsible Agent in field Bland M. Hoofter.
Dated at Calgary, this 11 Day of May, 19 71
Signed by B. M. Hoofter Company Atkinson Petroleum Ltd.
Title Chief Engineer Operator's Exploratory Licence No. 1788

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:
Confirming oral approval, including running a 5-sack surface plug, welding on
a plate and installing a riser with well marker, given by Mr. G. E. Blue on
March 17, 1971.

Dated Mar 12, 19 71

G. E. Blue
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. 506

Date Issued Feb. 15/71

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.

*Cell name and number **Atkinson CSP Trout Lake M-50**

Permit No. 455-1-33 Case No. 455-1-33

Canada Southern Petroleum Exploratory Licence No. 1605

Atkinson Petroleum Ltd. Exploratory Licence No. 1788

Location: Unit M Section 51 Grid 60°30': 121°00'

Latitude $60^{\circ}20'57''$

Longitude 121°10'47.5"

Universal Wall Location Reference:

Unique ID: ~~XXXXXXXXXXXXXXXXXXXX~~ 60.34216°N 121.17986°W

~~XXXXXXXXXXXXXXXXXXXX~~ 3004516030121000

	DATE	DEPTH	Pool(s)
			Interval(s) open to production
Spudded	2-21-71		
Suspended			
Resumed Operations			
Finished Drilling	3-17-71	7262' Driller	
Deepened		7261' Logger	
Complete (gas, oil)			Elevation: Gr. 1907' K.B. 1922'
Abandoned	3-19-71		Rig No. 3
Rig released	3-19-71		Drilling Contractor Regent Drilling Contractor's Business License No. 740

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1. 9 5/8"	NKK	36	19 jts.	755'	530 sxs. + 2% CaCl ₂
2.					
3.					
4.					
5.					
6.					
7.					

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CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Dn Per Jet)				SERVICING RECORD (Airflow, Pressure, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Nar. 18/71	7262	7162	45 sxs. + .04t retarder								
	6530	6430	65 sxs. Felt @ 6410'								
	6320	6220	65 sxs.								
	800	700	75 sxs + 24 CaCl. Felt @ 675'.								
Welded on plate, and erected identification marker.											

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	L.S.L. Mins.	F.S.L. Mins.	I.S.C.R.H.P.	F.A.R.H.P.	I.F.R.H.P.	F.F.R.H.P.	I.H.P.	E.H.P.	REMARKS
1	Mar. 9	Presqui'le	6558	6688	62 min	75	120	2517	2517	1892	2410	3232	3192	Rec. 5120' sulphurous salt water, GTS in 1 min on preflow, GTS in 23 mins. on VO.
2	Mar. 11	"	6515	6615	60 min	60	120	2532	2532	1476	2408	3188	3142	Rec. 4960' sulphurous salt water, GTS in 8 mins. TSTM/
3	Mar. 12	"	6645	6693	120 min	60	240	2553	2553	944	2517	3107	3017	Rec. 5325' sulphurous salt water, GTS in 4 mins. @ 57 Hcf'd
Pressures reported are field readings.														

ANALYSIS

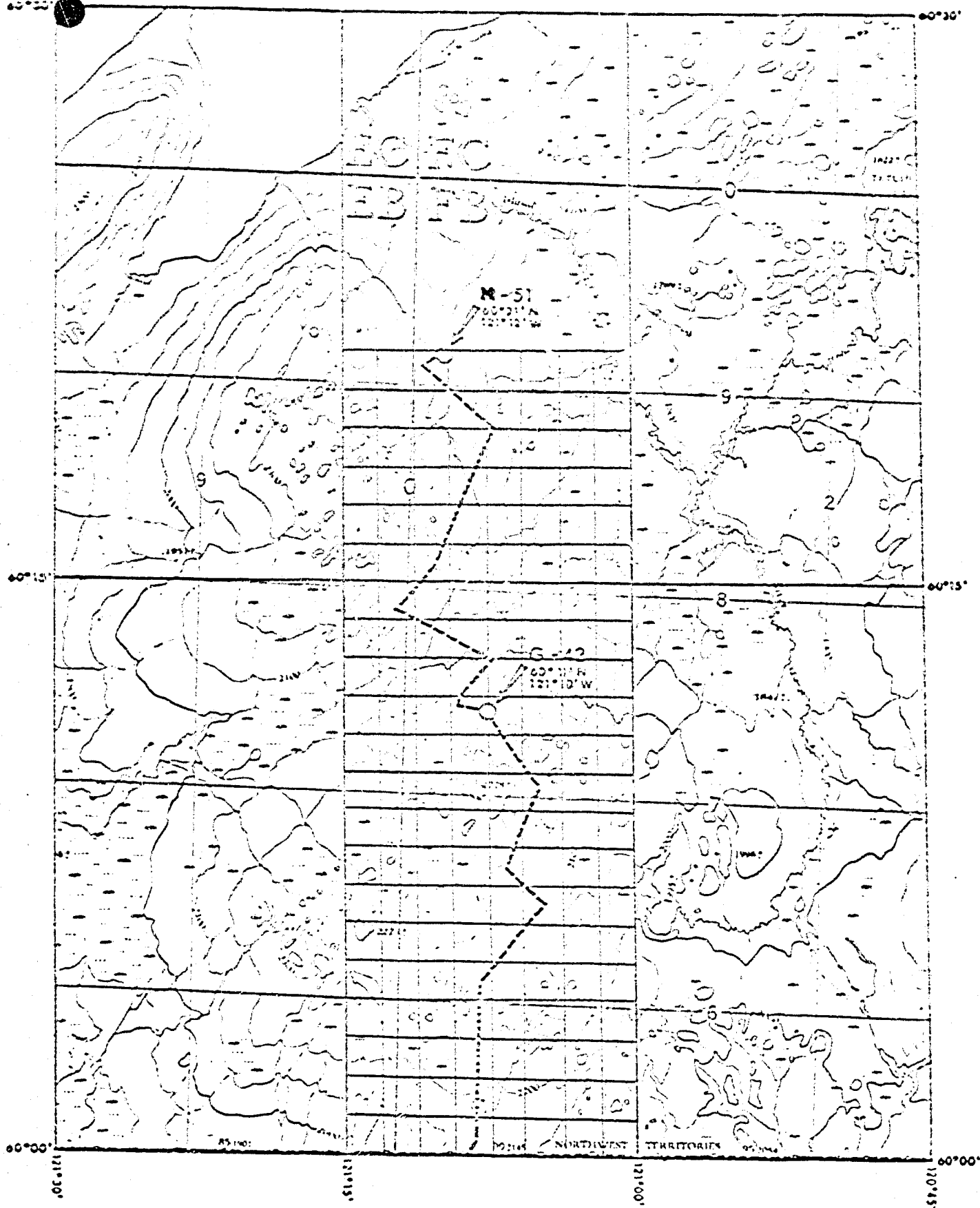
Lab. No.	Sample	From	To	Source	Remarks
E71-4498-3	Water	6558	6688	DST #1	
E71-4499-3	"	6515	6615	DST #2	
E71-4500-3	"	6645	6692	DST #3	
E71-4559	Gas	6558	6688	DST #1	
E71-4560	"	6515	6615	DST #2	
G71-3118	"	6645	6692	DST #3	

PRESENT STATUS OF WELL

Oil	(Interval)
Gas	(Interval)
Dry	X
Susp.	

Company Atkinson Petroleum Ltd.,
 Signed by *Blondin*
 Title Chief Engineer.
 Date March 29, 1971

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



ATKINSON PETROLEUMS LTD.

N.W.T.

SCALE: 1:250,000

APPROVED: _____

Drilling Authority No. 506

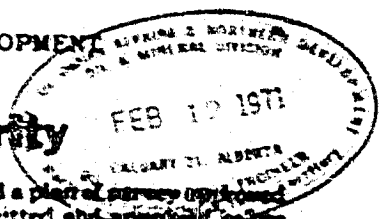
Project No.

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 plat 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 Atkinson CSP Trout Lake M-51
Location: Unit M Section 51 Grid 60°30' 121°00'
Latitude 60°20'57" Longitude 121°10'47.5"
Unique Well Identifier 30024516030121000
Universal Well Location Reference Lat. 60.34916° N., Long. 121.17806° W.
Elevation: Ground 1907' KB 1922' feet above sea-level.
Well is expected to produce from Slave Point formation at a depth of about 6222' feet. Expected total final depth 7192'
Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. ~~1552-R-68~~ n/a Lease No. 455-R-68 Acreage 4,752

Permittee, licensee, or lessee Canadian Southern Petroleum Ltd.

Exploratory Licence No. 1695

Surface owned by Crown or CROWN

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

Petroleum and natural-gas rights owned by CROWN

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Stubs of Cement
1. 9 5/8"	36#	E-40	new	720	450
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment

Slave Point - gas

Presqu'ile - gas

Hydrill Double gate BOP.

Well will be drilled with Rotary Rig No. 3 by Regent Drilling Ltd.

(Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's Business Licence No. 740

At well Bland M. Woofter

At registered office Bland M. Woofter

Address 540 - 5th Ave. S.W.

Address 540 - 5th Ave. S.W.,

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

Dated at Calgary this 12 day of February 19 71

Signed by Bland M. Woofter Company Atkinson Petroleum Ltd.

Title Chief Engineer Operator's Licence No. 1788

(For Oil and Mineral Division use only)

APPROVED

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

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week, the latest Dated 15th February 19 71 Please see over page

Oil Conservation Engineer

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

reports received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Any additional strings of casing are to receive the approval of the Oil Conservation Engineer prior to running.

B.H. Thomas
B.H.J. Thomas, Oil Conservation Engineer

ALL EQUIPMENT BELONGING TO BE
PROVIDED BY THE OPERATOR UNLESS
OTHER SPECIFIC ARRANGEMENTS HAVE
BEEN MADE.

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ATKINSON PETROLEUMS LTD.
DRILLING AND COMPLETION PROGRAM

Well: Atkinson-CSP Trout Lake M-51

Location: 60°30'N 121°00'W N-51 Line #2 SP #13

K.B. (est) 1922' Grd. (est) 1907' Kotcho-Slave Pt. (seismic) ++3220'
Structural elevation of Slave Pt. (-4300)*

GEOLOGICAL MARKERS

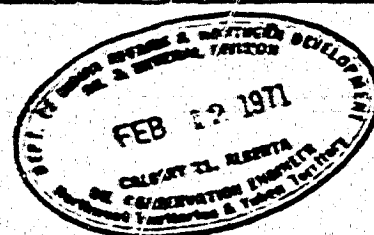
	<u>Estimated Subsea</u>	<u>Depth</u>	<u>Interval</u>
Miss/Banff	+110	1812	1190'
Kotcho	-1080	++3002	505'
Kotcho	-1585	3507	995'
Utahn	-2520	4502	1720'
Slave Point	-4300*	++6222	150'
Presqui'le	-4450	6372	820'
Chinchaga	-5270	7192	
T.D.		7192	

SAMPLES:

Number of Bags: _____

Distribution: Oil Conservation Engineer - 112 - 11th Ave. S.E. Calgary, Alta.

Number of Cuts: _____



DRILLING AND COMPLETION PROGRAM (cont'd)

- 2 -

DRILLING AND CASING PROGRAM:

Surface Hole: Drill 13 3/4" hole to approximately 720' making sure that a good casing seat is established below the glacial drift. Set 9 5/8" casing.

Below Surface Casing: Drill 8 3/4" hole to the Slave Point expected at approximately 6220'. If porosity is encountered in the Slave Point drilling is to be continued very cautiously opening 10-15' of porosity. A Drillstem test of this interval will determine if 7" casing is to be set at this point. If casing is not set, drilling will be continued with an 8 3/4" bit through the Slave Point. Special care and attention is required when drilling into the Slave Point because of loss of circulation and blow out hazards. Constant checking of mud pit level is a requirement. Blowout equipment must be maintained in first-class operating condition at all times - special closing drills will be required to be sure of personnel proficiency in an emergency.

If 7" casing is set at the top of the Slave Point, the logging program detailed in Run #1 below will be carried out before setting casing.

Below 7" Casing: Drill with 6 1/2" bit as required for the program detailed below. Additional testing of porosity may be called for as drilling and coring results warrant.

CORING PROGRAM:

One 20-40' core of Slave Point porosity, if encountered. If coring time is fast the 40' core will be cut, if slow cut 20'.

LOGGING PROGRAM:

	<u>Type</u>	<u>Interval</u>	<u>Scale</u>
Run #1	Gamma Ray-Sonic Induction Log	Surface casing- Slave Point	2"
Run #2	Density	Slave Point-T.D.	2" & 5"
	Gamma Ray Sonic Induction Log		
	* Sidewall Neutron	Slave Point-T.D.	5"

Note:

Run #2 would be in 6 1/2" hole below 7" casing. If 7" casing is not run then all logging will be conducted after reaching total depth.

* Optional depending upon type of Slave Point pay.

DRILLING AND COMPLETION PROGRAM (cont'd)

MUD PROGRAM: The detailed mud program supplied by the mud company is attached. This program should be thoroughly reviewed by the drilling contractor and the mud engineer to establish that all are in agreement with the various recommendations. General procedures will be as follows:

Surface: Drill conventionally, raise viscosity with addition of lime or caustic soda as required to clean hole. Surface hole will be drilled to a good casing seat below glacial drift. Surface casing shoe to Fort Simpson: Drill with water. Control weight in solids by diluting for maximum penetration. Fort Simpson shale special care is required in the diluting with fresh water so as to avoid shale sloughing.

Mud properties at Slave Point Depth: It is essential that supervision and control properties be maintained when drilling into the Slave Point because of loss of circulation and blowout hazards. The mud weight should be approximately 9.2 lbs./gal. viscosity 60-80 range; yield point equal or slightly higher than plastic viscosity; gel should be 0-20; Filtrate in the 10 cc range.

GEOLOGICAL:

Determination of Slave Point Casing Point
As indicated, a most crucial aspect from both a safety and cost stand point is to establish whether the Slave Point is porous and contains gas. A string of 7" casing may be run as a protective measure depending upon data obtained and evaluations made at Slave Point depth. The objective is to assure that the formation is porous and contains commercial gas before installing a string of casing. Otherwise the well will be drilled to total depth with only surface casing. Therefore the wellsite personnel must be extremely alert and aware of the step wise procedure required to accomplish the objective. If the Slave Point limestone is encountered high, the drilling should proceed slowly with samples being circulated frequently. Also drilling time must be kept under constant surveillance so that at the indication of a drilling break and the presence of porosity a decision can be reached with regard to testing or other evaluation procedures.

REPORTS AND MISCELLANEOUS:

The Drilling contractor will be furnished instructions of APL's report requirements. Morning reports are to be transmitted through the contractors' office to APL's Calgary office. A geologist will be at the wellsite prior to reaching Slave Point depth.

DRILLING AND COMPLETION PROGRAM (cont'd)

- 4 -

CONTRACTOR: Recent Drilling

SERVICES: Cementing - Halliburton
Logging - Schlumberger
Testing - Johnston Testers
Mud - International Drilling Fluids.

BMW:COM

Canada Southern Petroleum Ltd.

FIFTH FLOOR - 505 EIGHTH AVENUE BUILDING
CALGARY 2 ALBERTA
CANADA

12 February 1971.

Dept. of Indian Affairs & Northern Development,
Main Floor, Regency Building,
112 - 11th Avenue S.E.,
CALGARY 21, Alberta.

Attention: Mr. B. H. J. Thoms
Oil Conservation Engineer.

Dear Sirs:

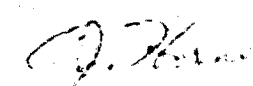
Re: Atkinson - C.S.P. Trout Lake M-51 Well
South Trout Lake Area, N.W.T.

With reference to our letter to you dated February 11, 1971 Canada Southern Petroleum Ltd. requests that the well number in the said letter be amended from C-52 to M-51. This well will still be located in Oil & Gas Lease 455-R-68.

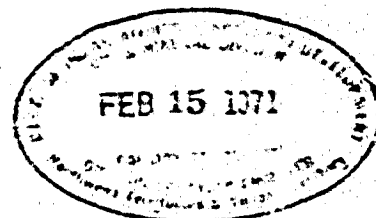
Yours very truly,

CANADA SOUTHERN PETROLEUM LTD.

CJH/b


M. A. Reasoner,
Vice President & General Manager.

cc: Atkinson Petroleum Ltd.,
9th Floor, Aquitaine Tower,
540 - 5th Avenue S.W.,
CALGARY 1, Alberta.
(Attn: Colleen Mastin)



WELL HISTORY REPORT

ATKINSON CSP TROUT LAKE M-51

N.W.T.

1971

803-11-4-5

WELL HISTORY REPORT

ATKINSON CSP TROUT LAKE M-51

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Submitted By:

ATKINSON PETROLEUMS LTD.

Bland M. Woofter

Bland M. Woofter
Chief Engineer
March 30, 1971

WELL HISTORY REPORT

Well: Atkinson CSP Trout Lake M-51

Permittee: Canada Southern Petroleums

Operator: Atkinson Petroleums Ltd.
540 - 5th Ave. S.W.,
Calgary, Alberta.

Location: M-51 60°30'; 121°00'
60°20'57" Lat. 121°10'47.5" Long.
U.W.L.R. Lat. 60.34916°N. 121.17986°W
U.W.I. 300M516030121000

Co-ordinates: 60°20'57" Lat. 121°10'47.5" Long.

Permit or Lease No.
455-R-68

Drilling Contractor:
Regent Drilling Ltd.
Rotary Rig #3

Drilling Authority:
#506
February 15, 1971

Classification:
Wildcat

Elevations: K.B. 1922'
Ground 1907'

Spudded: February 21, 1971

Completed Drilling:
March 17, 1971

Total Depth: 7262' Driller (7261' - Logger)

Atkinson CSP Trout Lake M-51 (cont'd)

- 2 -

Well Status: Dry and abandoned

Rig Release Date:

March 19, 1971

Hole Sizes: 12 1/4" hole 0 - 755'
8 3/4" hole 755-7260'

Casing: Ran 19 jts. 36# NKK, 9 5/8" Landed at
755' K.B. Cemented with 530 sxs. Portland
cement plus 2% CaCl.
Plug down 12:30 pm-Feb.23/71
K.B. to ground 13.70'

GEOLOGICAL SUMMARY:

FORMATION TOPS:

<u>Sample</u>		<u>Log</u>
Banff	1670	1675
Exshaw	2870	2870
Kotcho	2990	2990
Tetcho	3545	3545
Utahn	4600	4590
Ft. Simpson	4650	4645
Slave Pt.	6280	6272
Watt Mtn.		6600
Keg River	6680	6665
Lower Elk Pt.	6880	6880
Chinchage		
T.D.	7262	7261

Cored Intervals:

No cores cut

Sample Description

See Page - 3 -

SAMPLE DESCRIPTION

Depth

770	Shale, dark grey, silty, micaceous, non calcareous- with thin beds of siltstone, grey, micaceous, very argillaceous.
800	Siltstone as above with shaly beds and some sandstone light grey, silty and argillaceous, friable, poorly sorted.
860	Interbedded shale - siltstone - sandstone as above, contains fragments of pearly bivalve molluscs (inoceramus?)
920	Sandstone, light grey, calcareous, silty poorly sorted with stringers of dark grey, slightly calcareous silty shale mollusc fragments as above.
940	Shale, dark grey, non calcareous, silty, splintery with mollusc fragments as above.
990	Shale as above.
1020	Siltstone, grey, calcareous, micaceous, argillaceous, blocky.
1050	Shale as above and siltstone as above.
1080	Sandstone, medium brown, silty, non calcareous grading to siltstone brown-grey, non calcareous, argillaceous.
1140	Sandstone and siltstone as above.
1200	Interbedded shale - siltstone - sandstone all as described as above.
1330	Shale, dark grey, slightly silty, splintery micaceous, with stringers of very fine siltstone (as above) and scattered mollusc and fish remains.

Sample description (cont'd)

Top Banff Formation

- 1670 Limestone, medium grey, fine grained, slightly argillaceous, contains diversified skeletal fragments floating in fine grained matrix, generally dense with scattered traces of pinpoint porosity.
- 1740 Limestone, generally as above but more argillaceous with thin stringers of dark grey calcareous shale.
- 1800 Limestone, as above, with some light grey siltstone.
- 1880 Shale, medium - dark grey, calcareous, slightly silty with stringers of dark grey silty limestone.
- 1950 Interbedded shale and limestone (as above) with occasional thin stringers of dark grey, calcareous siltstone.
- 2110 Siltstone, medium grey, slightly calcareous, argillaceous, hard, blocky.
- 2140 Shale and limestone as above.
- 2190 Siltstone as above.
- 2240 Interbedded calcareous shale and argillaceous limestone, with minor siltstone
- 2450 Shale, dark grey - greenish grey, fissile micaceous, slightly calcareous containing small rusty - red concentrically laminated concretions, a few ostracods, and some crinoid remains.
- 2600 Shale (as above) with thin stringers of grey - green thinly laminated, micaceous siltstone.
- 2810 Shale, dark grey, non calcareous, non silty, soft, blocky.
- 2860 Shale, very dark grey, soft.

Top of Exshaw Formation

- 2870 Shale, very dark grey - dark brown, earthy, soft, slightly calcareous, bituminous, contains finely disseminated pyrite and a few small nodules of chert.

Sample description (cont'd)

- 2920 Shale, medium grey, calcareous, fissile, contains a few crinoid fragments.

Top of Kotcho Formation

- 2990 Limestone, light grey - brown, fine grained, slightly argillaceous, contains abundant crinoid columnals (entire) and a few ostracods, dense.
- 3040 Limestone, as above, with stringers of grey-green calcareous, waxy shale.
- 3060 Limestone, as above, with little or no grey-green shale.
- 3090 Limestone, light grey, very fine grained, dense, argillaceous contains abundant crinoid columnals and a high proportion of grey-green fissile calcareous shale.
- 3120 Limestone as above with numerous thin beds of grey to green shale as above.
- 3160 Interbedded limestone and shale as above.
- 3340 Shale, grey - green, slightly calcareous, non silty fissile, micaceous, contains scattered crinoid, ostracod, and brachiopod remains.
- 3420 Shale, as above.
- 3510 Shale, as above, becoming more highly calcareous.

Top of Tetcho Formation

- 3545 Limestone, light brown, very argillaceous, very fine grained, dense, contains crinoid and ostracod remains (as above) and thin stringers of grey - green calcareous shale.
- 3595 Interbedded limestone and shale (as above)
- 3680 Limestone, light brown, slightly argillaceous, very fine grained, dense, with thin beds of very light brown earthy limestone.
- 3740 Limestone as above.

Sample description (cont'd)

- 3800 Limestone as above, with interbedded siltstone, light to medium brown, argillaceous, calcareous, micaceous.
- 3840 Limestone as above with increasing amounts of siltstone as above and some thin stringers of light grey - green, silty, calcareous and non calcareous shale.
- 3935 Shale, light green - grey, micaceous, slightly calcareous, slightly silty, splintery.
- 3970 Limestone, grey - brown, slightly argillaceous, very fine grained, dense contains brachiopod and ostracod remains.
- 3990 Limestone, as above, with beds of light grey, calcareous, silty shale.
- 4020 Shale, light grey, very silty, slightly calcareous with beds of light grey argillaceous, thinly bedded siltstone and some (minor) light grey, mottled, fine grained, argillaceous, poorly sorted sandstone.
- 4040 Interbedded siltstone - shale and minor sandstone as above.
- 4120 Limestone, light grey, very fine grained, dense, appears to contain floating quartz grains.
- 4140 Interbedded, sandstone - siltstone and minor shale as above.
- 4180 Shale, dark grey, non calcareous, slightly silty, fissile contains a few scattered brachiopod fragments.
- 4235 Shale as above.
- 4250 Shale as above with thin beds of siltstone.
- 4310 Shale as above with thin beds of siltstone and some beds of dark brown, fine grained, dense argillaceous limestone containing considerable organic debris floating in matrix.
- 4390 Interbedded shale and limestone as above, very little siltstone.

Sample description (cont'd)

4450 As above

4500 As above, slightly less limestone.

Top of Utah Formation

4600 Limestone, medium - light brown, fine grained, sucrosic, non argillaceous, generally dense but with traces of pin point porosity. Contains diverse fossil fragments (stroms, brachs, corals amhipora ect.)

Top of Fort Simpson Formation

4650 Shale, green - grey, micaceous, slightly silty non calcareous, with thin beds of grey, argillaceous siltstone; contains brachiopod and crinoid remains.

4700 Shale, as above, with siltstone as above and a few thin beds of light grey, argillaceous poorly sorted fine grained poorly cemented sandstone.

4800 As above

4850 As above

4900 As above, with slightly more siltstone.

4950 Shale and sandstone as above with considerably more siltstone as above.

4980 Siltstone, light - medium grey, argillaceous, thinly laminated, micaceous in part, friable with shale as above and a few thin beds of sandstone as above.

5000 Siltstone with shale as above, very little sandstone.

5080 As above.

5150 As above.

5200 Siltstone and shale in about equal amounts with minor sandstone as above.

5230 Shale, grey - green, silty, micaceous, slightly calcareous, splintery, containing numerous crinoid columnals, thin beds of siltstone.

Sample description (cont'd)

- 5300 Shale as above.
- 5360 Shale, grey to green, only slightly silty, somewhat micaceous, calcareous, splintery, containing brachiopod and crinoid fragments associated with thin beds of light grey, argillaceous slightly calcareous siltstone and a few partings of brown to grey fine grained, argillaceous, poorly sorted friable sandstone.
- 5400 As above
- 5500 As above
- 5600 As above
- 5700 As above
- 5800 As above
- 5900 As above
- 6000 As above
- 6050 Shale, medium grey, non silty, non calcareous, with traces of light grey, silty, finely laminated micromicaceous shale and the ood fragment grey - green argillaceous siltstone.
- 6150 Shale, (as above) with several pieces of very dark grey, semi bituminous shale, and a few fragments of light grey - buff dense very fine grained limestone (cavings or thin partings in the shale - probably the latter).

Top of Muskwa

- 6200 Shale (as above) with increasing amount of dark grey-black shale becoming more bituminous and containing scattered patches and blebs of fine pyrite - some limestone as above.
- 6250 Shale as above, very dark grey - black highly bituminous, contains considerable white vein calcites and numerous aggregates of pyrite.

Sample description (cont'd)

- 6276 Predominantly dark grey bituminous shale as above but containing some dark grey bituminous limestone some of which contains small blebs of white earth limestone (mottled)

Top of Slave Point Formation

- 6280 Limestone predominantly dark grey, fine grained very bituminous, dense; some with white limestone as above - minor limestone white with black bituminous patches - traces of dark brown very fine grained, dense limestone with patches of bitumen.
- 6300 Limestone generally as above but containing occasional patches of clear, fine grained subeuhedral calcite crystals - some evidence of minor vuggy porosity.
- 6320 Limestone as above
- 6330 Limestone as above high percent shale due to trip (6326)
- 6350 Limestone predominantly dark grey mottled as above with increasing amount of limestone, light grey - white. very fine grained, dense containing bitumen and considerable pyrite - traces dark brown limestone as above.
- 6370 Limestone, mostly white with bitumen patches (granite looking) some dark grey with white patches, some dark brown (as above) thin veins of clear - white calcite present in fair numbers. Some fragments containing large pieces or patches of black bitumen - some contain thin parallel partings of bit material (primary stratification).
- 6390 Limestone; very much as above but with some white to light grey fine grained, dense non bituminous limestone and some medium sized fragments of clear euhedral calcite (veins or vugs.)
- 6400 Limestone as above with increasing evidence of medium brown aphanitic dense limestone containing veins and some large vugs filled with clear and white euhedral calcite.

Sample description (cont'd)

- 6440 Limestone, mostly light grey, very fine grained aphanitic with vague outlines of grains or pellets floating in matrix, very slightly argillaceous, generally non bituminous although some frags. containing irregular small blebs of bitumen, some vein and or vug clear calcite - some limestone, bituminous grey and dark brown as above.
- 6470 Limestone as above, but with more light - medium brown aphanitic dense limestone and considerable clear euhedral calcite (veins and vugs).
- 6500 Limestone, light grey, very fine grained, dense non argillaceous, non bituminous, slightly earthy contains vague outlines of grains or pellets floating, plus some long slender needle like grains (sponge specules) that appear to have a hexagonal or octagonal cross section - some limestone, medium brown, aphanitic dense and some limestone white chalky.
- 6505 Trip
- 6510 Limestone as above with a few spicules as above high percent of cavings.
- 6520 Limestone as above.
- 6530 Limestone as above but loaded with spicules, some dark brown patchy bituminous limestone as above.
- 6540 Limestone, medium grey, very fine grained, dense, contains numerous siliceous spicules - very few pieces of coarse white sub euhedral calcite and dolomite presumably from veins or vugs - no real indication of much porosity.
- 6550 Limestone (as above) - with some light grey, fine to medium crystalline, sub euhedral, dolomite limestone, containing minor intercrystalline bitumen and traces of intercrystalline porosity.
- 6560 Limestone - increased amount of grey dolomitic limestone as above with considerable amount of white coarsely crystalline sub euhedral calcite or limestone - a few pieces of clear euhedral calcite and white sub euhedral dolomite.

Sample description (cont'd)

- 6570 Dolomite, medium grey, fine to medium crystalline some dense with poorly formed crystals - some with fairly well formed crystals and traces of intercrystalline porosity - both with some crystalline bitumen, considerable white coarse calcite as above, only minor evidence of good vuggy porosity (sample may be lagged insufficiently).
- 6580 Dolomite as above, but with more euhedral crystals and first real evidence of acicular crystal growth abundant intercrystalline bitumen with some bitumen at base of acicular crystals - good evidence of vuggy porosity.
- 6590 Sample largely shale (probably fallen in due to rough drilling immediately above) contains dolomite as above but with considerable earthy looking light grey limestone (poor sample).
- 6600 Still considerable shale, but more abundant light grey - white, medium crystalline, dolomite as above, with abundant intercrystalline bitumen and some pyrite, some acicular crystal growth and generally limited evidence of vuggy porosity (rate of penetration slowed considerably).
- 6610 Some dolomite as above but abundant white chalky limestone and some medium brown aphanitic dense limestone.
- 6620 Largely white chalky limestone as above, but with some light grey, crystalline dolomite as above.
- 6630 Almost all chalky limestone with traces dolomite.
- 6640 As above
- 6650 White chalky limestone but with some white coarsely crystalline dolomite and some grey dolomite as above.
- 6660 As above with significantly more dolomite
- 6670 50% limestone - 50% dolomite.

Top of Keg River

- 6680 Dolomite, white - clear, with light brown stain considerable intercrystalline bitumen, medium - coarse crystalline, good evidence of vuggy porosity.

Sample description (cont'd)

- 6688 Dolomite as above, but with abundant evidence of extensive vuggy porosity
- 6670 Dolomite as above with some clear euhedral quartz crystals.
- 6750 Dolomite as above but with a greater percent of white coarse, crystalline non bitumen dolomite.
- 6800 Dolomite, generally as above with real little direct evidence of vugs but with abundant coarsely crystalline euhedral dolomite - considerable shale in these samples assumed to be cavings because of very rough drilling generally less bituminous but with some light brown stain.
- 6850 Dolomite as above, but with traces of medium brown, medium (mosaic) dense dolomite with traces of intercrystalline porosity.
- 6870 Still abundant white dolomite as above, but with increase in brown dense dolomite as above

Top Lower Elk Point

- 6880 Dolomite, medium brown, medium crystalline, sub euhedral (mosaic) some intercrystalline porosity but not the abundant evidence of vuggy porosity as indicated above.
- 6890 Dolomite medium dark brown, medium finely crystalline, dense.
- 6990 Dolomite as above.
- 7000 Dolomite as above.
- 7010 Dolomite dark dark brown, sucrosic, dense with some light grey, slightly bituminous very fine grained dense limestone, contains blebs and patches of white anhydrite some dolomite, light brown to tan, finely crystalline mosaic, dense.
- 7020 Dolomite, grey, brown, microcrystalline, dense contains many small isolated crystals of anhydrite and some quartz (sandy appearance) with much limestone medium grey mottled slightly bituminous, argillaceous, very fine grained dense.

Sample description (cont'd)

- 7030 As above
- 7040 Dolomite as above with high percentage (40%)
limestone as above
- 7050 Limestone as above with dark brown sucrosic dolomite
as above and some tan dolomite
- 7060 As above
- 7070 Dolomite, dark brown, generally dense, vuggy and some
as above. Crystalline evidence of
density - limestone
- 7080 As above.
- 7090 As above with abundant, tan finely crystalline
dense dolomite.
- 7100 Dolomite medium brown, finely crystalline (sandy
appearance) dense, with dolomite tan, finely
crystalline dense, and limestone light grey
argillaceous, very fine grained dense with patches
of white anhydrite.
- 7110 Dolomite as above with minor anhydrite, limestone
as above and traces of grey - green micaceous
thinly laminated shale.
- 7120 As above
- 7130 As above, with increasing amount of tan dolomitic
limestone
- 7140 As above
- 7150 As above, with a few scattered large sub euhedral
quartz crystals traces of green anhydrite shale and
some medium grey aphanitic anhydritic dolomite.
- 7160 As above
- 7170 As above with traces of light green calcareous
siltstone.
- 7180 As above with increased amount of green shale and
traces of green siltstone as above.

Sample description (cont'd)

- 7190 As above
- 7200 As above
- 7210 Dolomite, dark brown, microcrystalline - sucrosic dense with considerable white - very light grey partly anhydritic limestone and scattered aggregates of coarsely crystalline quartz .
- 7220 As above
- 7230 As above but with considerable increase in amount of quartz. Some of which contains finely disseminated pyrite? in intercrystalline position. NO evidence of feldspar or ferro-mag minerals.
- 7240 As above but further increase in quartz content (about 25% of sample) quartz clear - translucent, coarsely granular and medium crystalline, some frags containing considerable intercrystalline and intergranular pyrite appears to be a quartz sandstone that has been differentially recrystallized. quartzite
- 7250 Quartzite
- 7260 Quartzite as above but containing a few fragments with a pink-reddish stain and some dark red inclusions no evidence of ferro-mag minerals.

ENGINEERING SUMMARY

DRILLSTEM TESTS:

DST #1

6558-6688

4 min. preflow

ISI - 75 mins.

Tool open 62 mins.

FSI - 120 mins.

GTS in 1 minute on preflow. Good gas blow on second flow with
Mud cut salt water to surface in 23 mins.

Drill Pipe Recovery

5180' salt water with a salinity of
165,000 ppm.

Pressures:

IHP 3232

FHP 3192

ISI 2517

FSI 2517

Pressures reported are field readings.

IFP 1892

FFP 2410

Bottom Hole Temperature: 244°

DST #2

6515-6615

5 min. preflow. good initial puff.

No gas to surface on preflow

Detected gas at surface 8 mins after
tool shut in to obtain ISI pressure.

ISI 60 FSI 120

Valve open 60

Good initial puff after tool open for
final flow period with weak gas blow
throughout flow period. Too Small
to Measure.

Recovered: 4960' salt water.

Pressures:

IHP 3188

FHP 3142

ISI 2532

FSI 2532

Pressures reported are field readings.

IFP 1476

FFP 2408

Bottom hole temperature - 230°F.

Bottom hole pressure bomb did not record.

No mud was lost from the annulus through
the bi-pass so indications are that the
bottom packers held.

Atkinson CSP Trout Lake M-51

DST #3

6645-93

Preflow 5 mins.

ISI - 1 hr. Tool open 2 hrs. FSI - 4 hrs.

Very slight initial blow.

GTS - 4 mins. Measured 57,000 cubic
feet per day. remaining steady throughout
test.

Pressures:

IHP 3107

FHP 3107

IFP 944

FFP 2517

ISI 2533

FSI 2533

BHT - 238°F.

Rec. 5325' salt water - 165,000 ppm.

-15-

BIT RECORD

Bit #1
 OSC3 312' in 11 hrs.
Bit #2A
 OSC3 463' in 12½ hrs.
Bit #2
 XIG 1332' in 30 hrs.
Bit #3
 XIG 668' in 25 hrs.
Bit #4
 XIG 495' in 23 3/4 hrs.
Bit #5
 XIG 645' in 34 hrs.
Bit #6
 XIG 685' in 30 3/4 hrs.
Bit #7
 XIG 489' in 22½ hrs.
Bit #8
 XDV 179' in 15 3/4 hrs.
Bit #9
 X7 183' in 14 3/4 hrs.
Bit #10
 X7 220' in 19½ hrs.
Bit #11
 WDR 264' in 32½ hrs.
Bit #12
 WDR 77' in 13½ hrs.

DEVIATION RECORD

520° - 0	4550° - 1 7/8
560° - ½	4645° - 1 7/8
650° - ½	4780° - 1 7/8
755° - 2/3	4843° - 1 3/4
2680° - 7/8	4925° - 2½
2990° - 2	5020° - 2½
3125° - 1½	5112° - 2
3250° - 1½	5150° - 1 7/8
3300° - 1/8	5250° - 2
3430° - 3/4	5335° - 1½
3620° - 1	5470° - 1½
3770° - 1	5660° - 1
3930° - 3/4	5810° - 1
4010° - 3/4	5832° - 1
4180° - ½	6160° - 3/4
4380° - 2	6325° - 1½
4455° - 2½	6505° - 1
4495° - 2½	6685° - 1 1/8
	6900° - 3/4
	7180° - 3/4

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ABANDONMENT PLUGS

PLUGS:

Plug #1 7262-7162 45 sx cement + .04%
retarder. Plug down 8:30 am Mar. 18/71
Plug #2 6530-6430 65 sx cement. Plug down
9:30 am Mar. 18 felt at 6410'
Plug #3 6320-6220 65 sx cement. Plug down
4:45 pm
Plug #4 900-700 75 sx cement + 2% Cacl.
felt at 675' down at 7:00 pm.
Welded on $\frac{1}{4}$ " plate with well identification.

SECTION IV

Logs

Run No. 1

Run No. 2

Borehole Compensated Sonic	Mar. 12/71 754-6683'	Mar. 17 6683-7259
Dual Induction Laterolog	Mar. 12/71 754-6688'	
Formation Density	Mar. 12/71 6240-6692'	
Sidewall Neutron Porosity	Mar. 12/71 6650-6692'	
4 Arm High Resolution Dipmeter	Mar. 12/71 2800-6685'	
Induction Electric Log	Mar. 17/71 6688-7260'	

SECTION V

Analysis - attached

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. E71-4498-3

Received: March 31, 1971 Reported: April 2, 1971

Well: location: Atkinson CSP Trout Lake M-51

60 20' 57.00

Operator: ATKINSON PETROLEUMS LTD.

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval:

Method of Production: D.S.T.#1

Sampled from: Top of Tool

Sampled by:

Date March 9, 1971

OTHER PERTINENT DATA

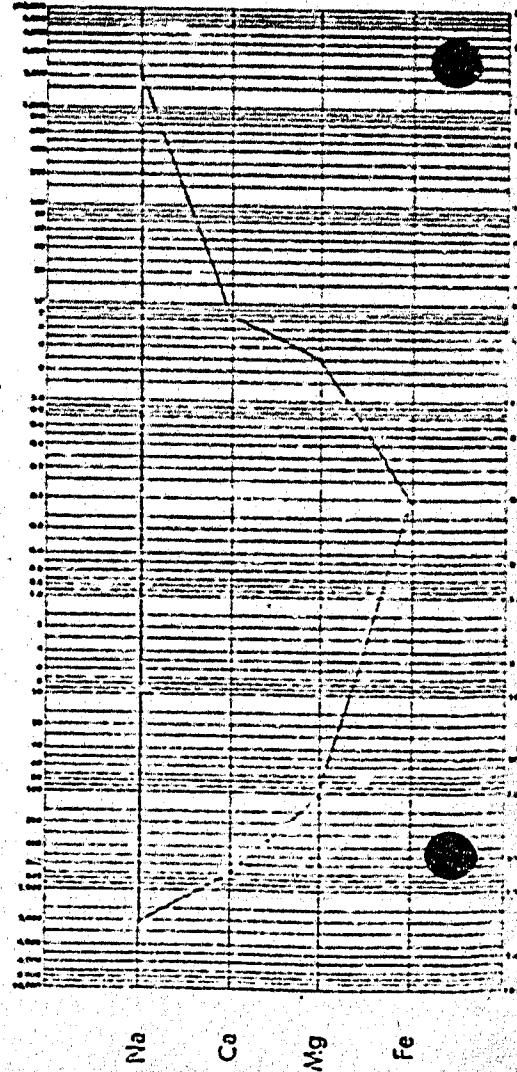
RECOVERED: 5180'

(Signed)

Mg./L	Na & K	K	Ca	Mg	SO ₄	Cl	CO ₂	HCO ₃	
50454			14014	1361	146	106200		490	
2194.75			699.30	111.87	3.04	2994.84		8.04	
36.51			11.63	1.86	0.05	49.82		0.13	

Total Solids Mg/L: By Evaporation 178,040 Fe Present Specific Gravity 1.117 @60°F Observed pH 5.8 @ 75 °F
 Calculated 172,665 After Ignition 158,480 H₂S Present Refractive Index 1.3624 @25°C Resistivity 0.066 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions Sample consisted of colorless water with a thin layer of sediment.

E71-4498-1: Sampled from Top.
 RESISTIVITY: 0.076 Ohm-meters @ 68°F.
 Colorless water filtered from muddy water.

E71-4498-2: Sampled from Middle.
 RESISTIVITY: 0.067 Ohm-meters @ 68°F.
 Colorless water with a thin layer of sediment.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. E71-4499-3

Received: Mar. 31, 1971 Reported: April 1, 1971

Well Location: Atkinson CSP Trout Lake N-51 60 20' 57.00

Operator: ATKINSON PETROLEUMS LTD.

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval:

Method of Production: U.S.T. #2

Sampled from: Top of Tool

Sampled by:

Date: Mar. 11, 1971

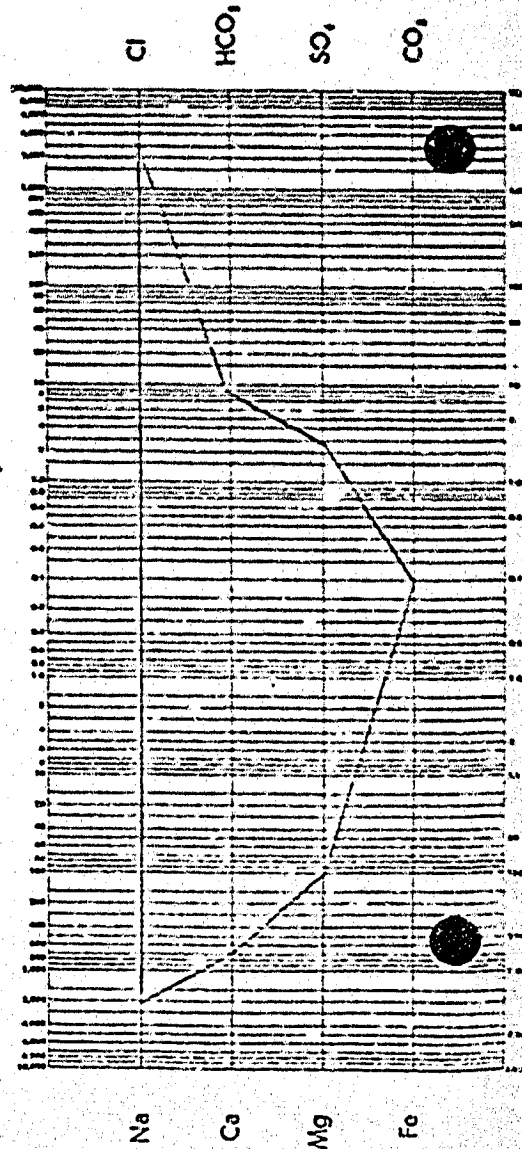
OTHER PERTINENT DATA Recovered 4960°

(Signed)

Mg./L	Na & K	K	Ca	Mg	SO ₄	Cl	CO ₂	HCO ₃	
506.46			14000	1337	140	100.400		500	
22203.09			698.60	109.90	2.91	3000.48		0.20	
36.58			11.60	1.02	0.05	49.02		0.14	

Total Solids Mg/L: By Evaporation 177,600 Fe Present Specific Gravity 1.117 @60°F Observed pH 5.7 @ 75 °F
 Calculated 173,023 After Ignition 161,000 H₂S Present Refractive Index 1.3624 @25°C Resistivity 0.066 ohm meters @ 60 °F

Pattern Unit Meq./L



Remarks and Conclusions

Sample consisted of colourless water with a thin layer of sediment.

E71-4499-1: Sampled from Top.

RESISTIVITY: 0.113 Ohm-meters at 60°F.

Yellowish colored water filtered from end.

E71-4499-2: Sampled from Middle

RESISTIVITY: 0.067 Ohm-meters at 60°F.

Colourless water with a thin sediment layer.

H₂S present.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. E71-4500-3

Received: March 31, 1971 Reported: April 2, 1971

Well: Location: Atkinson CSP Trout Lake H-51

60 20' 37.00

Operator: ATKINSON PETROLEUMS LTD.

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval:

Method of Production: D.S.T. #3

Sampled from: Top of Tool

Sampled by:

Date: March 12, 1971

OTHER PERTINENT DATA

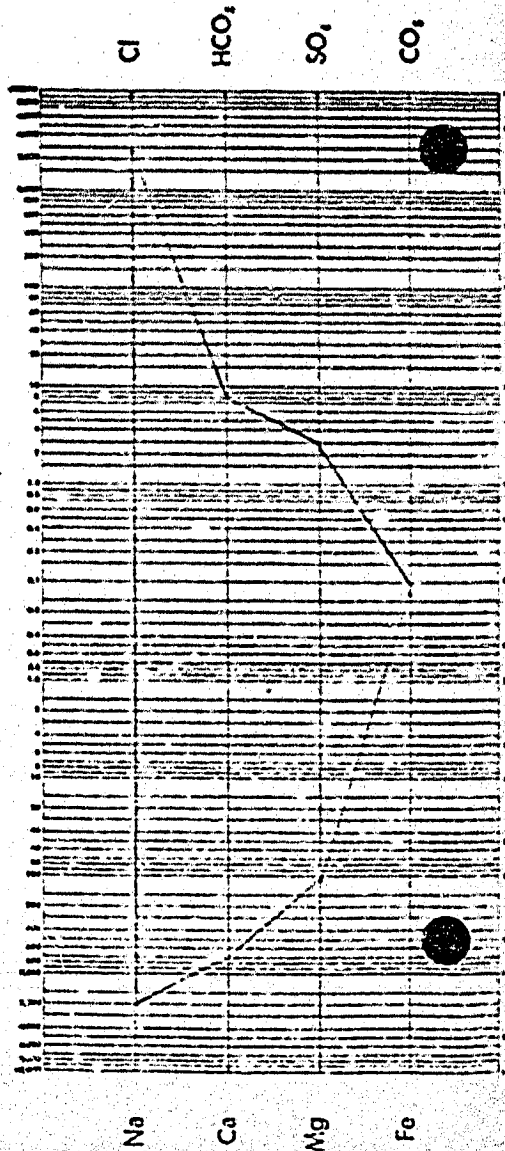
RECOVERED: 5325'

(Signed)

Mg./L	Na & K	K	Ca	Mg	SO ₄	Cl	CO ₂	HCO ₃	
50186			14074	1397	143	106000		490	
2183.09			702.29	114.83	2.97	2989.20		8.04	
36.38			11.70	1.91	0.05	49.82		0.13	

Total Solids Mg/L: By Evaporation 176,920 Fe Present Specific Gravity 1.117 @60°F Observed pH 5.6 @ 75 °F
 Calculated 172,290 After Ignition 159,580 H₂S Present Refractive Index 1.3624 @25°C Resistivity 0.066 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions Sample consisted of colorless water with a thin layer of sediment.

E71-4500-1: Sampled from Top.
 RESISTIVITY: 0.220 Ohm-meters @ 68°F.
 Yellowish water filtered from watery mud.

E71-4500-2: Sampled from Middle.
 RESISTIVITY: 0.066 Ohm-meters @ 68°F.
 Colourless water with a thin sediment layer.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No E71-4559 Received: Mar. 31, 1971 Reported: April 2, 1971

Well: Atkinson CSP Trout Lake N-51 Operator: ATKINSON PETROLEUMS LTD.

Field or Area: Location: Elev.: K.B. Grd.

Zone and Formation: Slave Point Sample Interval: 6550' - 6600'

Well production at sampling time: Oil bpd; Gas MCFD; Water bpd.

Sampled from: Sampled by: Date:

Pressure: (a) at point of sampling 25 psig (b) Gas Bomb pressure psig

Temperature: (a) at point of sampling °F (b) Separator °F

Pressures: Reservoir Tubing Casing Separator

OTHER PERTINENT DATA Method of Production: D.S.T.#1 Sample # LS-71

			(Signed)			
COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY		
Helium	0		pentanes +	0.051	Calculated	0.688
Hydrogen sulfide	0		at 12 lbs.	0.062	by Weight	.690
Carbon dioxide	9.77		at 15 lbs.	0.067	CRITICALS (Calculated)	
Nitrogen	8.65		at 22 lbs.	0.081	Pc	696.2
Methane	81.37		at 26 lbs.	0.092	Tc	354.1
Ethane	0.06		VAPOR PRESSURE (Calc.) @ 100°F. Pentanes +			2.89
Propane	0.01	0.002	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a.			0
Isobutane	TRCE	0	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry)			828.2
N-butane	0.01	0.003	(sat.)			813.7
Isopentane	TRCE	0	Acid Gas Free (dry)			917.9
N-pentane	0.01	0.003	DEW POINT (Calc.) p.s.i.	950	1050	1200
Hexanes	0.01	0.004	FAH.	8	3	-3
Heptanes	0.04	0.014	Mol. Wt.: Total Gas	19.939	Heptanes +	107.607
Octanes	0.07	0.030	HELIUM: 0.1% (Not included in the calculations)			
Nonanes	0	0	Received at 20 psig at 74°F. Prior to analysis			
Decanes +	0	0	sample was heated to 160°F. Analyses are corrected			
			for 30.1% air which was present with the gas.			
TOTAL	100.00	0.056				

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No. E71-4560 Received: Mar. 31, 1971 Reported: April 2, 1971

Well: Atkinson CSP Trout Lake H-51 Operator: ATKINSON PETROLEUMS LTD.

Field or Area: Location: Elev.: K.B. Grd.

Zone and Formation: Slave Point Sample Interval: 6515' - 6615'

Well production at sampling time: Oil bpd; Gas MCFD; Water bpd.

Sampled from: Sampled by: Date:

Pressure: (a) at point of sampling 5 psig (b) Gas Bomb pressure psig

Temperature: (a) at point of sampling °F (b) Separator °F

Pressures: Reservoir Tubing Casing Separator

OTHER PERTINENT DATA Method of Production: D.S.T. #2 Sample # LC-27

COMPOSITION			% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	(Signed) SPECIFIC GRAVITY				
Helium	-----	0.			pentanes +	-----	0.	Calculated	-----	0.725
Hydrogen sulfide	-----	0.			at 12 lbs.	-----	0.	by Weight	-----	.700
Carbon dioxide	-----	14.20			at 15 lbs.	-----	0.	CRITICALS (Calculated)		
Nitrogen	-----	3.30			at 22 lbs.	-----	0.	Pc	-----	723.9
Methane	-----	82.45			at 26 lbs.	-----	0.	Tc	-----	368.5
Ethane	-----	0.05			VAPOR PRESSURE (Calc.) @ 100°F. Pentanes +			-----	0.	
Propane	-----	0.	0.		H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a.			-----	0.	
isobutane	-----	0.	0.		GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry)			-----	831.0	
N-butane	-----	0.	0.		(L. I.)			-----	816.4	
Isopentane	-----	0.	0.		Acid Gas Free (dry)			-----	968.5	
N-pentane	-----	0.	0.		DEW POINT (Calc.) p.s.i.		950	1050	1200	
Hexanes	-----	0.	0.		FAH.		-45	-43	-40	
Heptanes	-----	0.	0.		Mol. Wt.: Total Gas		20.416	Heptanes +	-----	0.
Octanes	-----	0.	0.		HELIUM: 0.11% (Not included in the calculation)					
Nonanes	-----	0.	0.		Received at 7 psig. at 74°F. Prior to analysis sample was heated to 160°F.					
Decanes +	-----	0.	0.							
TOTAL	-----	100.00	0.							

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT

Lab. No. C71-3118

Received: April 14, 1971 Reported: April 16, 1971

Well: CSP Trout Lake

Operator: ATKINSON PETROLEUMS LTD.

Field or Area: _____ Location: _____ Elev.: K.B. _____ Grd. _____

Zone and Formation: _____ Sample Interval: 6645' - 6692' (Log Depth)

Well production at sampling time: Oil _____ bpd; Gas _____ MCFD; Water _____ bpd.

Sampled from: _____ Sampled by: _____ Date: _____

Pressure: (a) at point of sampling 15 psig (b) Gas Bomb pressure _____ psig

Temperature: (a) at point of sampling _____ °F (b) Separator _____ °F

Pressures: Reservoir _____ Tubing _____ Casing _____ Separator _____

OTHER PERTINENT DATA. Container No. LA 109 Method of Production: D.S.T. #3

(Signed)

COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY
Helium	<u>0.13</u>		pentanes + <u>0.</u>	Calculated <u>0.673</u>
Hydrogen sulfide	<u>0.02</u>		or 12 lbs. <u>0.</u>	by Weight <u>0.679</u>
Carbon dioxide	<u>10.95</u>		at 15 lbs. <u>0.</u>	CRITICALS (Calculated)
Nitrogen	<u>3.22</u>		at 22 lbs. <u>0.</u>	Pc <u>710.4</u>
Methane	<u>85.61</u>		at 26 lbs. <u>0.</u>	Tc <u>361.6</u>
Ethane	<u>0.07</u>		VAPOR PRESSURE (Calc.) @ 100°F. Pentanes + <u>0.</u>	
Propane	<u>TRCE</u>	<u>0.</u>	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a. <u>13.</u>	
Isobutane	<u>0.</u>	<u>0.</u>	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry) <u>863.3</u>	
N-butane	<u>0.</u>	<u>0.</u>	(sat.) <u>843.2</u>	
Isopentane	<u>0.</u>	<u>0.</u>	Acid Gas Free (dry) <u>969.5</u>	
N-pentane	<u>0.</u>	<u>0.</u>	DEW POINT (Calc.) p.s.i. 950 1050 1200	
Hexanes	<u>0.</u>	<u>0.</u>	FAH. <u>-55</u> <u>-53</u> <u>-49</u>	
Heptanes	<u>0.</u>	<u>0.</u>	Mol. Wt.: Total Gas <u>19.488</u> Heptanes + <u>0.</u>	
Octanes	<u>0.</u>	<u>0.</u>	Sample received with a pressure of 18 psig at 74°F.	
Nonanes	<u>0.</u>	<u>0.</u>		
Decanes +	<u>0.</u>	<u>0.</u>		
TOTAL	<u>100.00</u>	<u>0.</u>		

TECHNICAL REPORT

JOHNSTON



JOHNSTON TESTERS

321 SOUTH AVENUE, S.W. CALGARY, 24 ALBERTA - PH. 250-1151

A DIVISION OF JOHNSTON-BELL & CO. LIMITED

TEST DATA				TOOL SEQUENCE		
Interval	6558	6688	6688	P.O. SUB	.90	
Type of Test	OPEN HOLE, BOTTOM HOLE			SUB	.85	
Time Started in Hole	1715	Time Spent	2039	MFE TOOL	9.15	
First Flow	4 Min	Initial Spurt in	75	BYPASS TOOL	3.00	
Second Flow	62 Min	Second Spurt in		JAWS	6.80	
Third Flow		Third Spurt in	120	SAFETY JOINT	1.75	
Pulled Loose in	0100	Time in Hole	0700	S.S. & PACKER	9.20	7 1/2"
Wt. Set on Packers	25,000	Pressure on Wt.	15,000	T.C. & PACKER	5.15	7 1/2"
Description of Blow During Test: STRONG INITIAL BLOW WITH GAS TO SURFACE IN 1 MIN. GOOD GAS BLOW ON SEC. FLOW WITH MUD TO SURFACE IN 23 MINS. MUDDY SALT WATER UNLOADING UNTIL END OF FLOW.				TOTAL	36.80	
FLUID RECOVERY				STUB	1.20	
Total Fluid Recovered: 5180'				PERF	20.00	
Description of Fluid Recovered: 5180' SULFUROUS SALT WATER				RECORDER	4.40	
				RECORDER	4.40	
				PERF	10.00	
				SUB	.85	
				DRILL COLLAR	86.90	
				SUB	.85	
				BULL NOSE	1.55	
				TOTAL INTERVAL	130.15	
GAS BLOW MEASUREMENT						
Measured With	2"					
Type of Instrument	MANOMETER			IMPACT WATER		
Time	Stop	Change	Reading	At	Cubic Feet Day	
2220			.6		108.0	
				TOTAL LENGTH 166.95		
				Elevation	1922 KB	1907 GL
				Bottom Hole Choke Size	1/2"	
REMARKS: TEST SATISFACTORY.				Fluid Cushion Type	NIL	Am
GAS SAMPLE BOTTLE #LS71 LEFT WITH ATKINSON.				MUD AND HOLE DATA		
				Mud Type	WL 7.2	
				Filter Cake	2/32	Visc 215 Wt 9.3
				Time Taken		
				Contractor	REGENT DRILLING	Rig No. 3
				Drill Pipe Size	4 1/2 XH	
				Drill Collar Size	2 3/8 ID	Length 428
				Main Hole Size	8 3/4"	
				Rat Hole Size		
RESISTIVITY				CHLORIDE CONTENT		
Recovery Water	.051	77	165,000	ppm		
Mud Pit sample filtrate			UNDER 2,000	ppm		
District	FORT ST. JOHN			Date	MARCH 9, 1971	Test No. 1 J.T. No. 1
Company	ATKINSON PETROLEUMS LTD.			Address 540 - 5 AVE. S.W.		
Well Name	ATKINSON CSP TROUT LAKE			CALGARY 1, ALBERTA		
Number	60°20'57"N - 121°10'47.5"W			Field	WILDCAT	
Formation				Co. Rep	A. HENDERSON (CONSULTANT)	
and Interval	6558 - 6688 DST #1			Technician	C. SCHAFER	
Distribution of Reports						
10 - CALGARY						



JOHNSTON TESTERS

2000年12月24日 星期一 晴

4. 1992年12月24日，在“九二”国际学术会议上，中国学者首次提出“新丝绸之路”的概念。

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JOHNSTON TESTERS

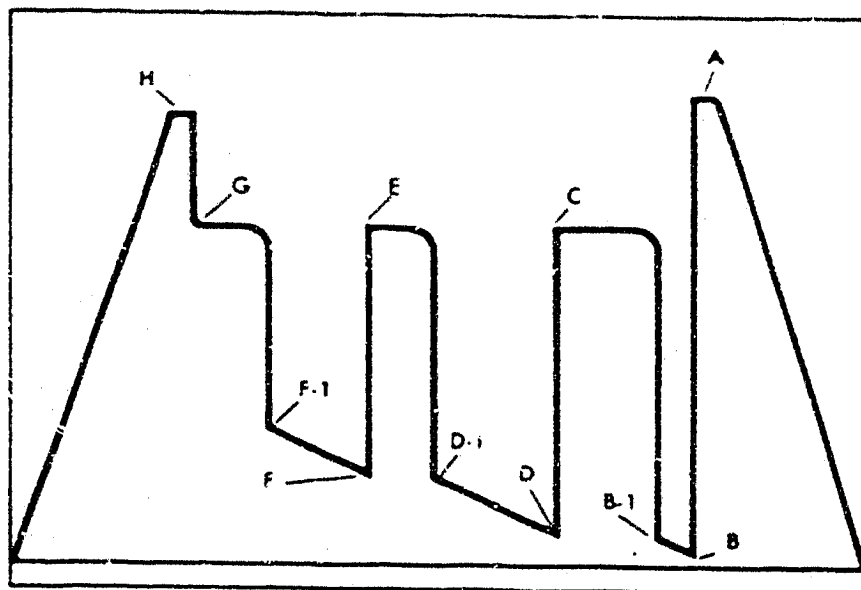
321 SOUTH AVENUE ST. - CALGARY 24 ALBERTA - PH 255-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.
D 04799

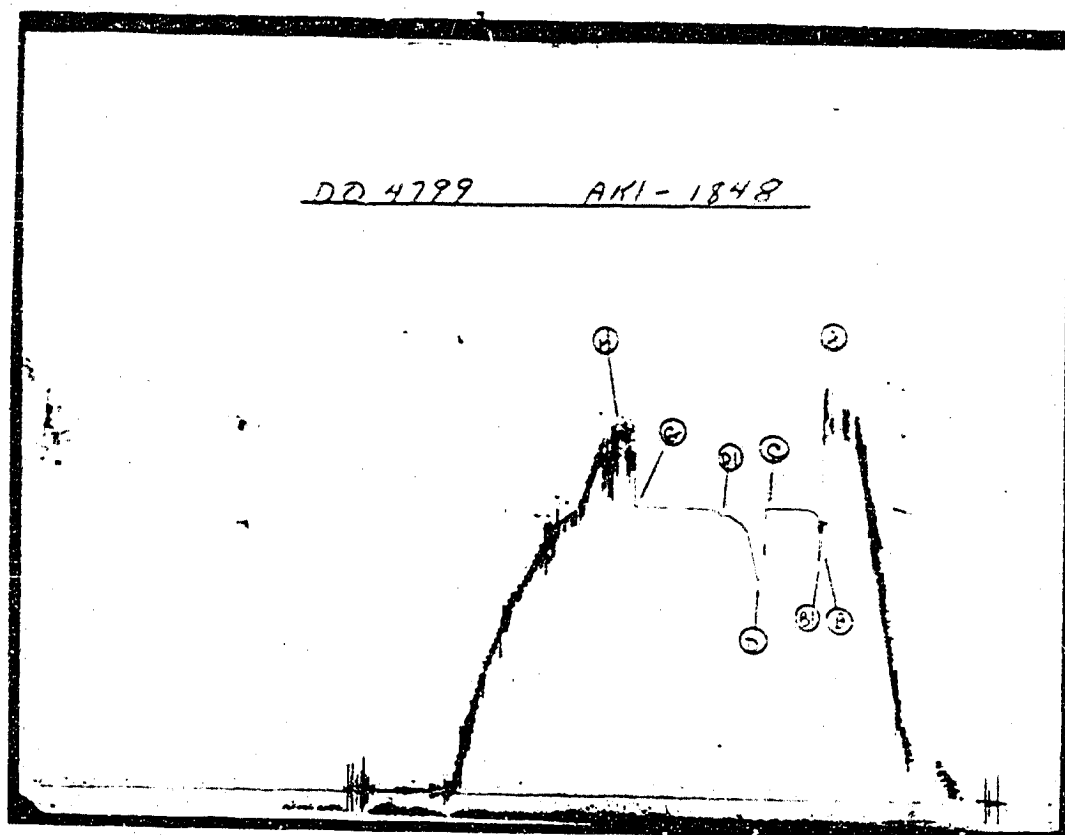
RECORDER NO.
AKI-1848



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.





JOHNSTON TESTERS

371 50TH AVENUE S.E. CALGARY 24, ALBERTA - PH. 255-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

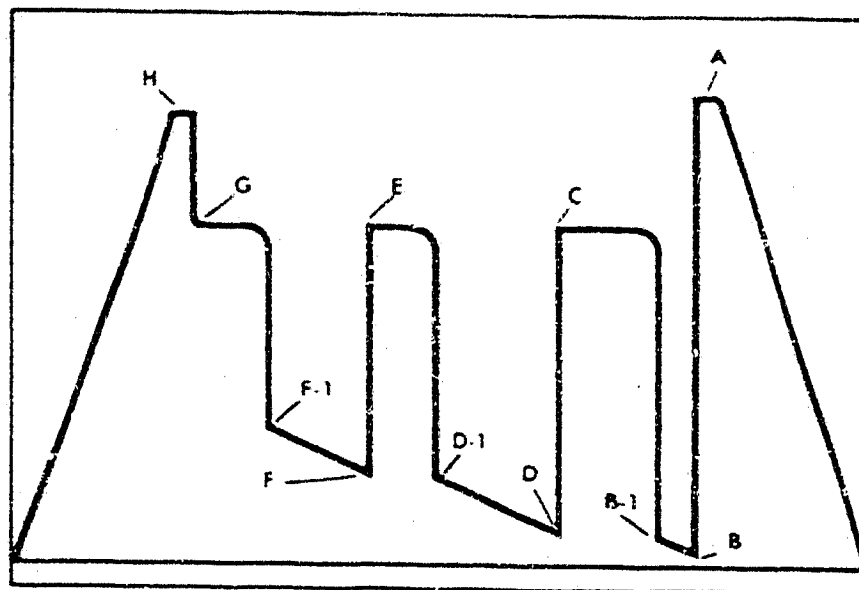
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO

D 04799

RECORDER NO

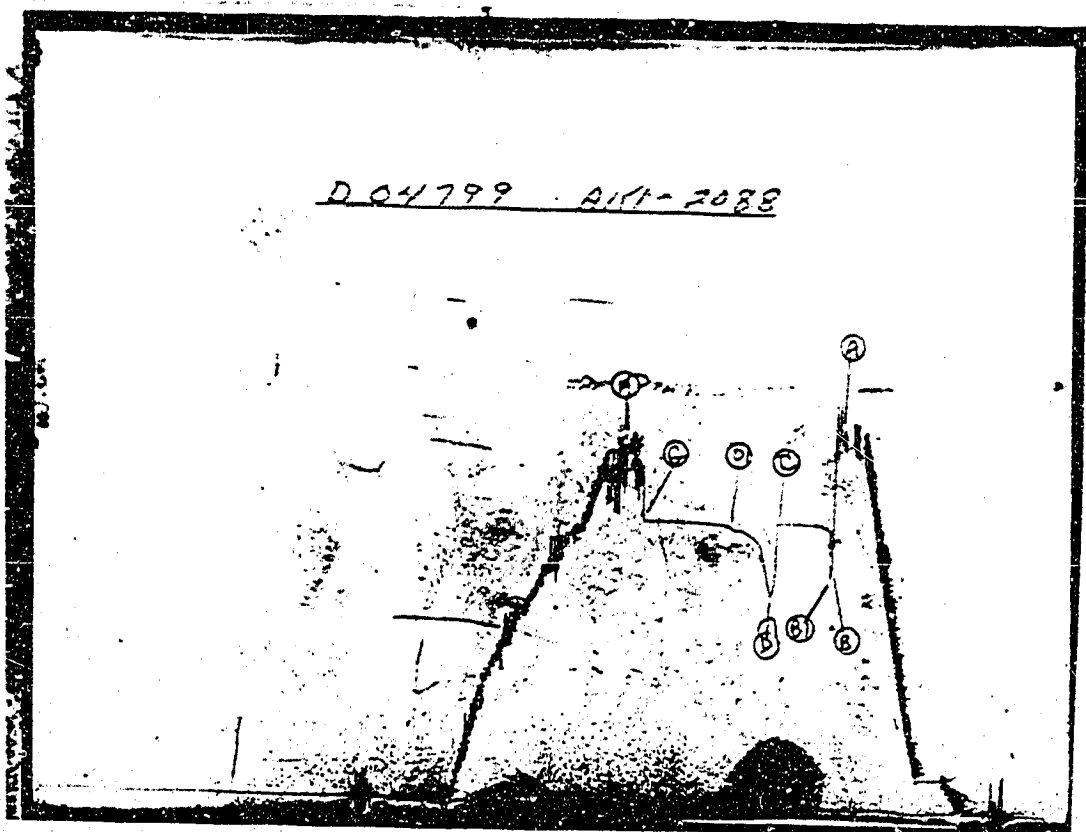
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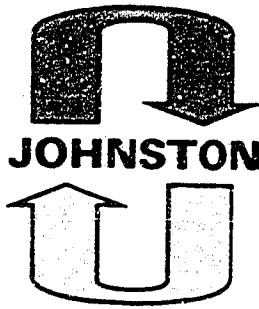
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- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

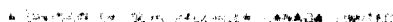
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TECHNICAL REPORT

 JOHNSTON



10 - CALGARY



JOHNSTON TESTERS

2022 年 12 月 31 日 12:00 截止

1. *Phragmites australis* (Cav.) Trin. ex Steud.

[illegible]

REMARKS: CLOCK STOPPED ON RECORDER 2089, NO PRINTS MADE.

STYLUS DISENGAGED ON RECORDER 2088, NO PRINTS MADE

PRESSURE INCREMENTS

[illegible]



JOHNSTON TESTERS

321 50TH AVENUE S.E. CALGARY 24 ALBERTA - PH 259 1111

A DIVISION OF SCHLUMBERGER CANADA LIMITED

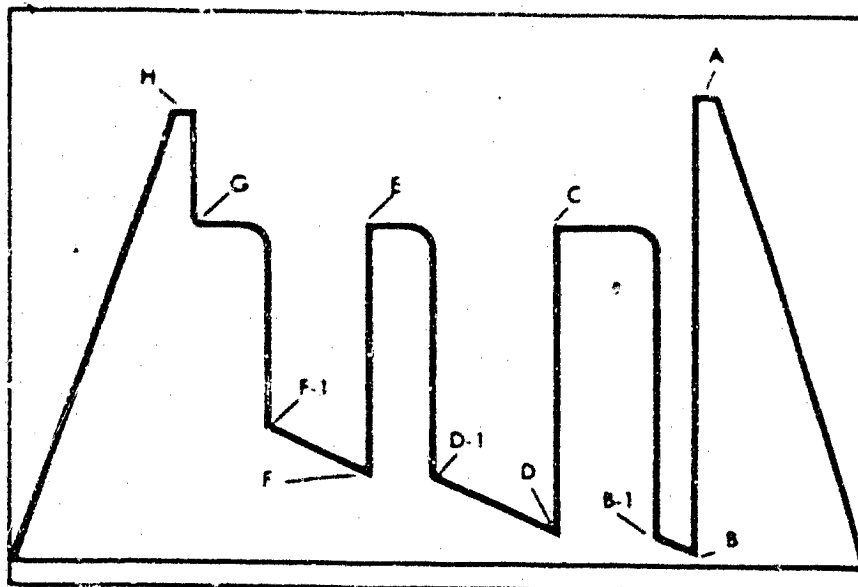
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO

D 04800

RECORD NO

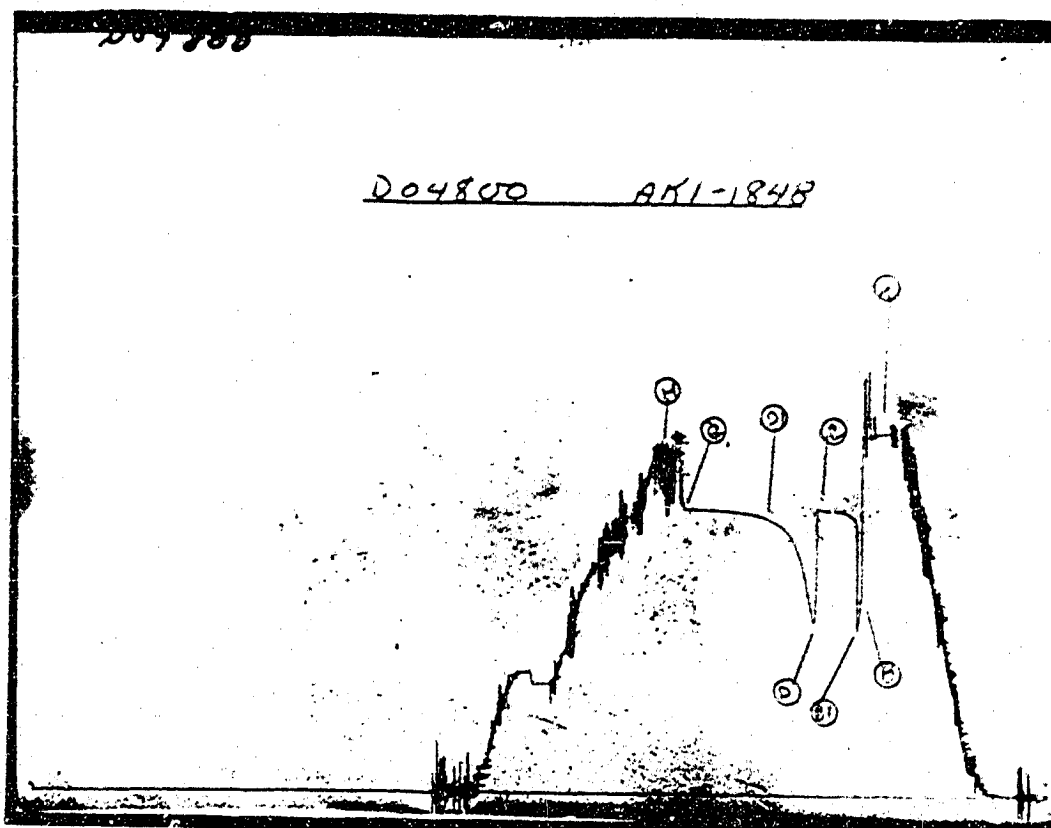
AK1-1848



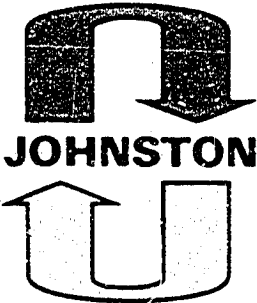
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- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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TECHNICAL REPORT

The logo for Johnston is positioned between the words 'REPORT' and 'RT'. It features a stylized 'J' shape formed by two thick, dark arrows. One arrow points downwards from the top, and the other points upwards from the bottom, meeting at the center. The word 'JOHNSTON' is printed in a bold, sans-serif font across the middle of the 'J' shape.



JOHNSTON TESTERS

221 SOUTH AVENUE S.E. CALGARY, ALBERTA T2P 2S5 (255-1191)

A DIVISION OF SCHEIDT & BOWEN LIMITED

TEST DATA				TOOL SEQUENCE																																																								
Formation	Interval	6645	6693	6692																																																								
Type of Test	OPEN HOLE, BOTTOM HOLE																																																											
Time Started on Hole	1700	Time Covered	2016																																																									
First Flow	5	Min	Initial Shut-in	60																																																								
Second Flow	120	Min	Second Shut-in																																																									
Third Flow		Min	Third Shut-in	240																																																								
Pulled Down to	0321	Min	Out of Hole	0700																																																								
Wt. Salt on Packers	35,000	#	Packed down Wt.	15,000																																																								
Description of Blow During Test: STRONG INITIAL BLOW WITH GAS TO SURFACE IN 4 MINS. GAS BLOW ON SEC. FLOW, HAD 3 TO 4 FOOT LAZY FLAME. STEADY THROUGH TEST.																																																												
FLUID RECOVERY				Was Test Reverse Circulating																																																								
Total Fluid Recovered				5325'																																																								
Description of Fluid Recovered				5325' SULFURIC SALT WATER.																																																								
<table border="1"> <thead> <tr> <th colspan="3">TOOL SEQUENCE</th> </tr> <tr> <th>Tool</th> <th>Length</th> <th>CD</th> </tr> </thead> <tbody> <tr><td>P.O. SUB</td><td>.90</td><td></td></tr> <tr><td>SUB</td><td>.85</td><td></td></tr> <tr><td>MFE TOOL</td><td>9.15</td><td></td></tr> <tr><td>BYPASS TOOL</td><td>3.00</td><td></td></tr> <tr><td>JARS</td><td>6.80</td><td></td></tr> <tr><td>SAFETY JOINT</td><td>1.75</td><td></td></tr> <tr><td>S.S. & PACKER</td><td>9.20</td><td>7 1/2"</td></tr> <tr><td>T.C. & PACKER</td><td>5.30</td><td>7 1/2"</td></tr> <tr><td>TOTAL</td><td>36.95</td><td></td></tr> <tr><td>STUB</td><td>1.20</td><td></td></tr> <tr><td>PERF</td><td>20.00</td><td></td></tr> <tr><td>RECORDER</td><td>4.40</td><td></td></tr> <tr><td>RECORDER</td><td>4.40</td><td></td></tr> <tr><td>PERF</td><td>16.00</td><td></td></tr> <tr><td>BULL NOSE</td><td>1.55</td><td></td></tr> <tr><td>TOTAL INTERVAL</td><td>47.55</td><td></td></tr> </tbody> </table>							TOOL SEQUENCE			Tool	Length	CD	P.O. SUB	.90		SUB	.85		MFE TOOL	9.15		BYPASS TOOL	3.00		JARS	6.80		SAFETY JOINT	1.75		S.S. & PACKER	9.20	7 1/2"	T.C. & PACKER	5.30	7 1/2"	TOTAL	36.95		STUB	1.20		PERF	20.00		RECORDER	4.40		RECORDER	4.40		PERF	16.00		BULL NOSE	1.55		TOTAL INTERVAL	47.55	
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GAS BLOW MEASUREMENT																																																												
Measured With	1"																																																											
Type of Instrument	MANOMETER IMPACT MERCURY																																																											
Time	2200	Stem Choke	.20	Impact	57.20	Mercury																																																						
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Company: ATKINSON PETROLEUMS LTD.				Test No. 3 J.T. No. 3																																																								
Well Name: ATKINSON CSP TROUT LAKE				Address: 540 - 5 AVE. S.W.																																																								
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10 - CALGARY																																																												

921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 175

4. 2000年12月15日，在“2000年中国城市竞争力”评比中，北京名列第10位。

D 05726		PRESSURE DATA		FLUID SAMPLE REPORT	
INSTRUMENT NO.	AKI-1848	AKI-2086		Sample No.	
CAPACITY gal	6950	7150		Type	
INSTRUMENT DEPTH FT	6666	6671		Depth	ft
INSTRUMENT OPENING	OUTSIDE	OUTSIDE		Volume	
PRESSURE GRADIENT psi/ft					
WELL TEMP °F	238				
INITIAL HYDROSTATIC	A	5141#	5128#	Sample Pressure	psi at Surface
FIRST FLOW	B	993#	995#	Gravity	API SG
	B-1	989#	989#	Gas Oil Ratio	Cu Ft Bbl
INITIAL SHUT-IN	C	2581#	2562#		
SECOND FLOW	D	942#	941#		
	D-11	2568#	2555#		
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G	2577#	2557#		
FINAL HYDROSTATIC	H	3035#	3000#		

PRESSURE INCREMENTS

[illegible]



JOHNSTON TESTERS

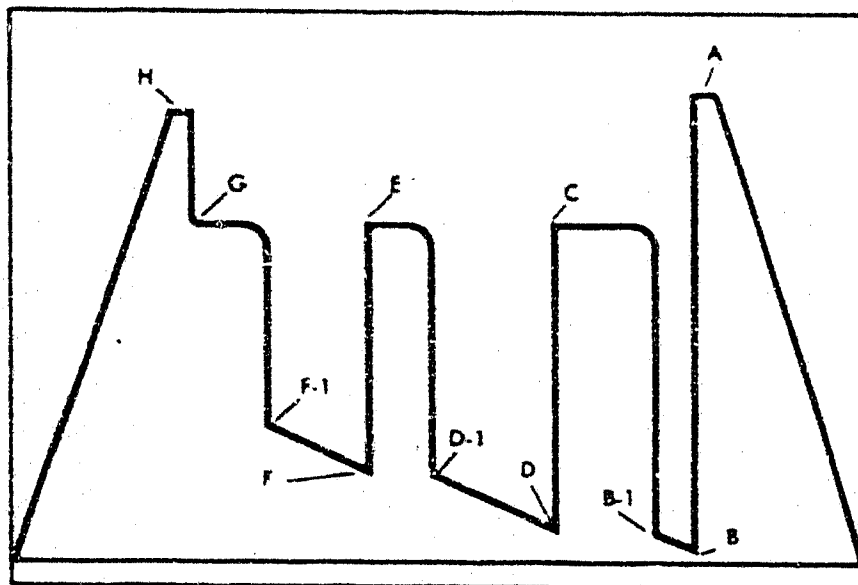
321 50TH AVENUE ST. • CALGARY 26, ALBERTA • PH. 255-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FILE
REPORT NO.
D 05726

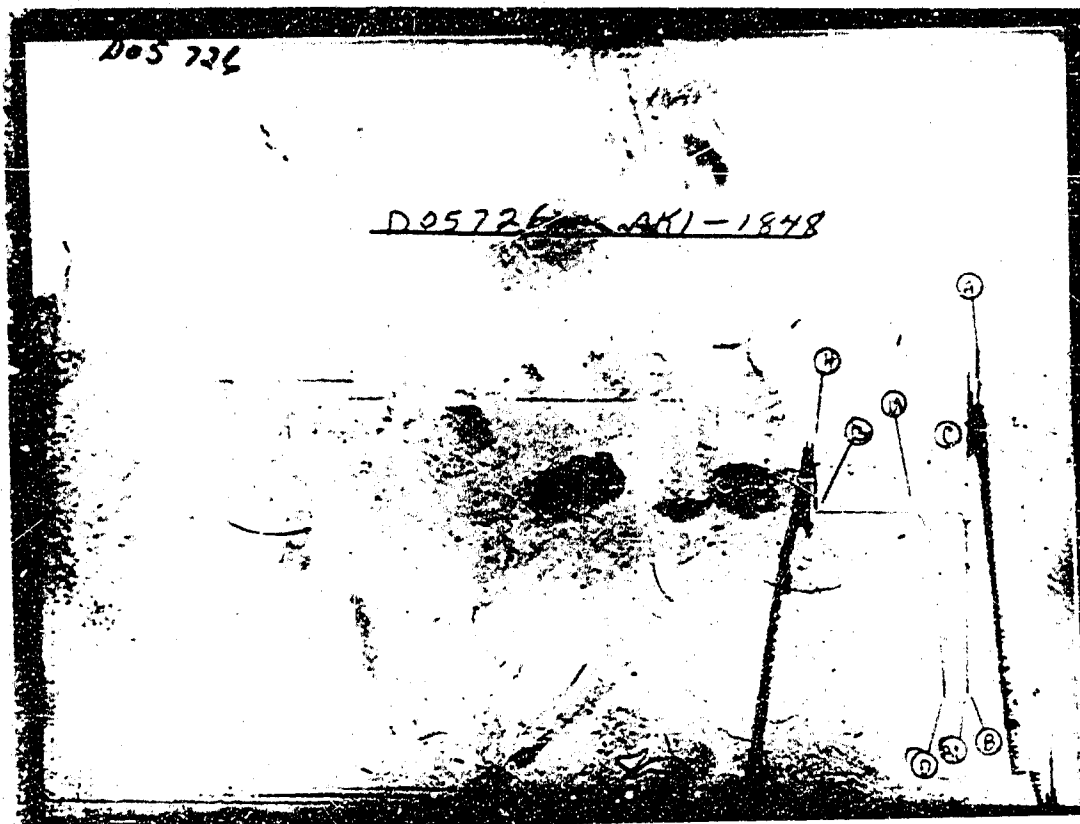
RECORDED NO.
AKI-1848



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JOHNSTON TESTERS

321 50TH AVENUE S.E. - CALGARY 26, ALBERTA - PH. 255-1191

A DIVISION OF SCHLUMBERGER CANADA LIMITED

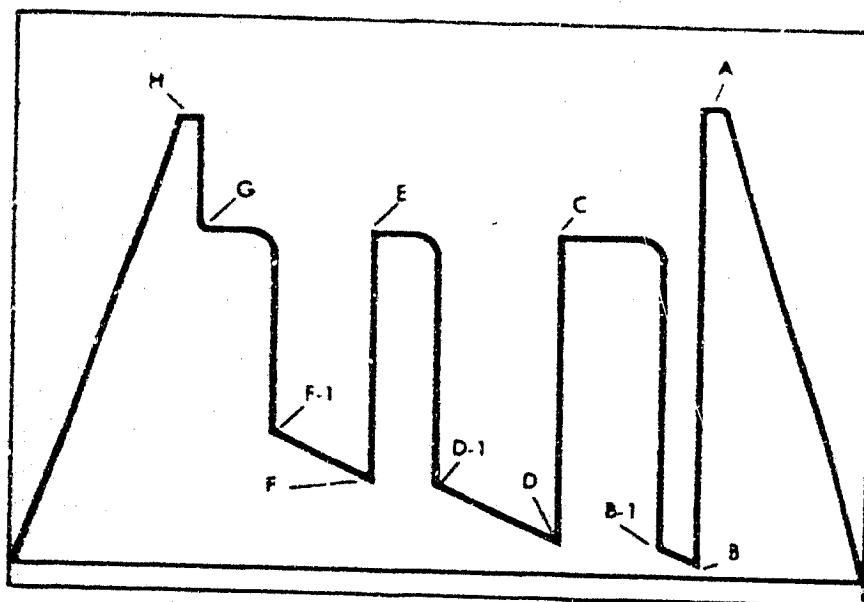
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

Wells
REPORT NO.

D 05726

RECORDS NO.

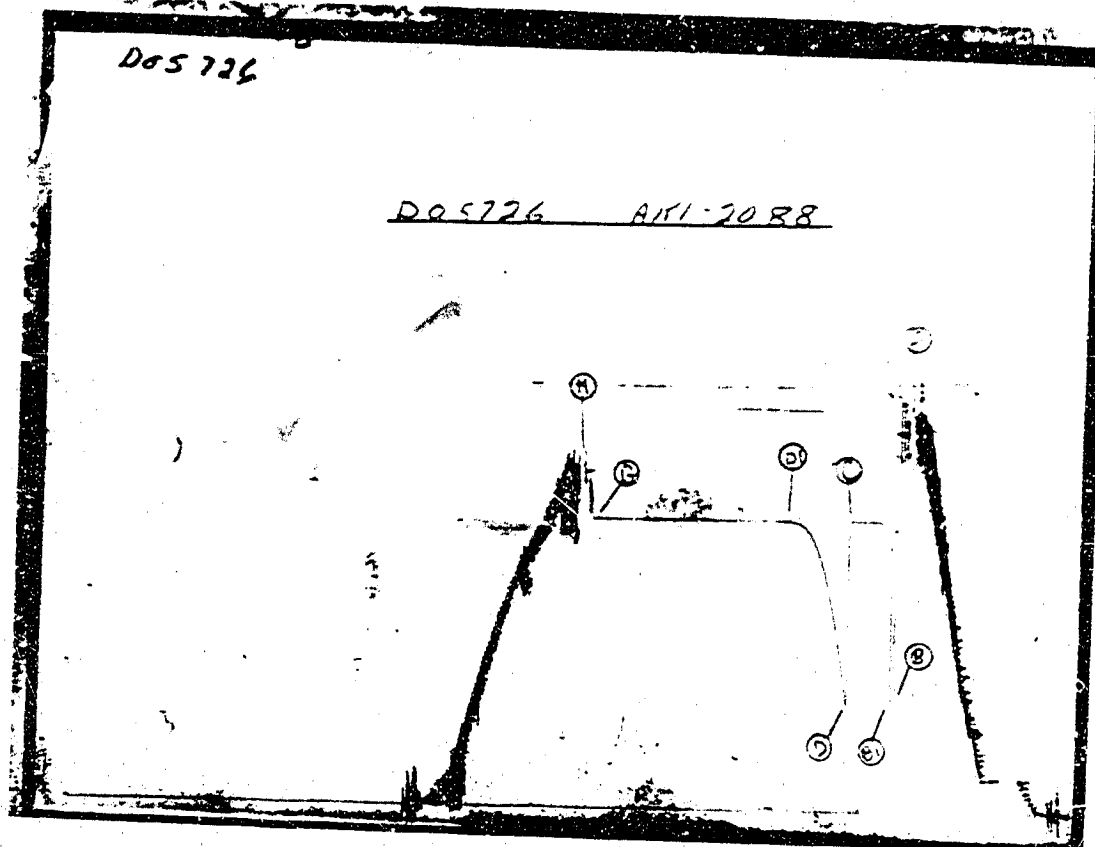
AK1-2088



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z - Special pressure points such as pumping pressures recorded for formation breakdown.



REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>March 19, 71</u>		WELL NAME <u>Atkinson CSP Trout Lake</u>		DATE <u>March 19, 71</u>		REPORT NO. <u>26</u>															
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____															
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>Mitch Boychuk</u>	<u>8</u>																						
DERRICK	<u>H. Thomas</u>	<u>8</u>																						
FLOOR	<u>B. Day</u>	<u>8</u>																						
FLOOR	<u>D. MacLean</u>	<u>8</u>																						
FLOOR	<u>J. VandenBrink</u>	<u>8</u>																						
FIREMAN																								
MECHANIC																								
INJURIES																								
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS																								
DRILLER	<u>P. Swinbjornson</u>	<u>10</u>																						
DERRICK	<u>J. Halibisky</u>	<u>10</u>																						
FLOOR	<u>A. Mathe</u>	<u>10</u>																						
FLOOR	<u>A. Day</u>	<u>10</u>																						
FLOOR	<u>J. Gutesh</u>	<u>10</u>																						
FIREMAN																								
MECHANIC																								
INJURIES	<u>P. Swinbjornson</u>																							
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS																								
DRILLER	<u>Mitch Boychuk</u>	<u>6</u>																						
DERRICK	<u>E. Woodcock</u>	<u>10</u>																						
FLOOR	<u>N. Shewchuk</u>	<u>10</u>																						
FLOOR	<u>B. Skog Bjord</u>	<u>10</u>																						
FLOOR	<u>L. Page</u>	<u>28</u>																						
FIREMAN																								
MECHANIC																								
INJURIES																								

TOOLPUSHER J. Wilberd

APPROVED BY _____

DAY WORK RECORD

DATE March 18/21 REPORT NO. 26

DAY WORK RECORD

TOOLPUSHER _____

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1		
NO. 2		

LAST CASING SIZE LAST CASING SET AT

DATE March 17/71
RIG NO. 26

WELL NAME 50 E Amoco Bldg

DATE March 17/71 REPORT NO. _____

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	ON SPOOL	LAST CUT				
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
	STANDS		FT.																
	SINGLES		FT.																
	D.C.'S		FT.																
	SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 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
Tearing out, moving, Digging
Ditches, moving mud
TIME
START STOP INT VAL
8:00 10:00 10

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		
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		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															
			FT.	R.P.M. PUMP NO.2															
TOTAL			FT.	PUMP NO. 1 LINER SIZE					PUMP NO. 2 LINER SIZE										

REMARKS
Moving Rig
Lower Shovel
above pipe wheel tank
Shovel pump Bore
Prefabs Light plank along house
Tool house pipe Rack
Cat walks
TIME
START STOP INT VAL
12:00 5:00 8:00

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	DRILL LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS	DEGR	
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	COND
	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														
	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
Lean Out a Move
TIME
START STOP INT VAL
11:00 8:00 8:00

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		ELAPSED TIME		PRESSURE	RESULTS	TOTCO RING ON BIT NO.		

TOOLPUSHER [Signature]
APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Direct 16-71</u>		WELL NAME <u>Atkinson CSP TURTLE LAKE 10-51</u>		DATE <u>Direct 16-71</u>		REPORT NO. <u>211</u>													
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____													
TOUR NO. 1 MIDNIGHT TO 8 A.M.			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
DRILLER	M. J. B. Bouchard	8	7160	72	7172	8	170 M	5-6 1/4	58 M	2	6667	46	6052	3179	5-10-71			Drill	1200	700	8	
DERRICK	A. Thomas	8	68	STANDS		FT.	11	8 3/4	2-14 1-15	WP933	WDR	150	60	6908	7172	764	52 1/4					
FLOOR	B. Day	8	2	SINGLES	61154	55																
FLOOR	D. MacLean	8	24	D.C.'S	698.15	FT.																
FLOOR	J. VANDERBRINK	8	2	SUB	654	FT.																
FIREMAN			1	SUB	900	FT.																
MECHANIC				BIT OR C.B.		FT.																
INJURIES				KELLY IN	2376	FT.																
TOTAL			7172.00	FT.																		
TOUR NO. 2 8 A.M. TO 4 P.M.			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
DRILLER	P. S. ENBICKSEN	12	7172	13	7185	2	170	5-6 1/4	58 M	1	8	6622	92	6622	3107	3-16-71		Drill 8 3/4" hole	5.00	10.00	2	
DERRICK	A. HALABISKY	8	68	STANDS		FT.	11	8 3/4	2-14 1-15	WP933	WDR	59 5/5	55	6908	7185	477	34 1/4					
FLOOR	H. MEIKE	8	2	SINGLES	6434	55																
FLOOR	A. Day	8	24	D.C.'S	698.15	FT.																
FLOOR	J. GUTER	8	2	SUB	654	FT.																
FIREMAN			1	SUB	900	FT.																
MECHANIC				BIT OR C.B.		FT.																
INJURIES				KELLY IN	3676	FT.																
TOTAL			7185.00	FT.																		
TOUR NO. 3 4 P.M. TO MIDNIGHT			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
DRILLER	M. Bouchard	4	7185	29	7214	5	170 M	5-6 1/4	58 M	8	6622	92	6622	3107	3-16-71			WT + SWIP 92' hunk	4.00	5.00	1	
DERRICK	E. WOODCOCK	8	69	STANDS		FT.	12	8 3/4	2-14 1-15	WP933	WDR	50	60	7185	7214	29	15					
FLOOR	N. SEANCHUK	8		SINGLES	6466.19																	
FLOOR	L. PAUL	8	24	D.C.'S	698.15	FT.																
FLOOR	B. SKAGSTROM	8	2	SUB	654	FT.																
FIREMAN			1	SUB	900	FT.																
MECHANIC				BIT OR C.B.		FT.																
INJURIES				KELLY IN	3412	FT.																
TOTAL			7214.00	FT.																		
DRILL PIPE SIZE	1 1/2	TYPE	XH	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING	TOOLPUSHER	APPROVED BY										
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE		RESULTS	TOTCO RING ON BIT NO.															

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 EMDCO	D-500	16
NO. 2 OIL WELL	214-P	14

LAST CASING SIZE	LAST CASING SET AT
9 7/8	755

DATE MARCH 15, 71

WELL NAME ATLANTA OSP TROUT LAKE 11-27

DATE MARCH 15, 71

REPORT NO. 23

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

753		RIG NO.		LOCATION											
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	DEGRE
					5-10-84										

REMARKS	START	STOP	INT VAL
Drill	1200	700	2

DRILLER Mitch Baychuk
DERRICK H. Thomas
FLOOR B. Day
FLOOR D. MacLennan
FLOOR V. Vankar
FIREMAN
MECHANIC
INJURIES

6911	72	6985	2	14077	14-1/2	5	77		6607	46	6-52	5179	5-12-21					
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
66	STANDS	FT.	11	8 3/4	2-14 1-15	WP953	WDR	1150	60	6908	6983	75	8 3/4					DR Lg
2	SINGLES	6247.16 FT.																
24	D.C.'S	698.15 FT.																
2	SUB	654 FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	SUB	9.00 FT.	WEIGHT	9.2	9.2	9.2	9.2	6.2	2/32	9.5	Fuel Top Tank 3'8"							
	BIT OR C.B.	FT.	VISCOSITY	190	170	165	155	ADDITIVES CAUSTIC - 100#				Bottom Tank 4"						
		FT.	PUMP PRESSURE	1100	1100	1100	1100	PELTEX - 100"										
	KELLY IN	21.85 FT.	P.P.M. PUMP NO. 1	63	63	63	63	REG CMC - 100 #										
			P.P.M. PUMP NO. 2	ON MIXER				HYDROGEL - 16 00#										
TOTAL		6985.08 FT.	PUMP NO. 1 LINER SIZE	5 1/2		PUMP NO. 2 LINER SIZE		5 1/2										

TOUR NO. 2
8 A.M. TO 4 P.M. HOURS
DRILLER P. Sveinbjornson
DERRICK J. Halla Bisky
FLOOR H. Metke
FLOOR A. Day
FLOOR V. Vankar
FIREMAN J. Gutek
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	DEGR		
6982	55	7038	7 3/4	110	5-6 3/4	58,000		8	6607	46	6052	3179	3-12-71					
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	COND ION
67	STANDS	FT.	11	8 3/4	2-14 1-15	WP933	WDR	50	60	6908	7038	130	17 1/2					11
1	SINGLES	6307.95 FT.																
24	D.C.'S	598.15 FT.																
2	SUB	6.54 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	SUB	9.00 FT.	WEIGHT	9.2	9.2	9.2	9.2	5.8	3/32	10.0								
	BIT OR C.B.	FT.	VISCOSITY	195	168	176	197	ADDITIVES	Drill - 20 SAX									
		FT.	PUMP PRESSURE	1280	1200	1200	1350	Caustic - 100 #										
	KELLY IN	17.00 FT.	R.P.M. PUMP NO.1	63	64	64	64	Peltex - 100 #										
			R.P.M. PUMP NO.2	On pump and mixer				CMC 50 # Reg										
TOTAL		7038.62 FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE		5 1/2"											

REMARKS	START	STOP	INT VAL
Drill "8 3/4" hole	800	1015	2 1/4
Big Service	1015	1030	1 1/4
Drill "8 3/4" hole	1030	400	5 1/2

TOUR NO. 3
4 P.M. TO MIDNIGHT HOURS
DRILLER Mitch Baychuk
DERRICK E. Woodcock
FLOOR N. Shewchuk
FLOOR L. Page
FLOOR B. Skaggs
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		
7038	82	7100	6 3/4	120 M	19-5/8	58 M	8	6607	46	6052	3179	3-12-71					
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	CONNECTION
68	STANDS	11	8 3/4	2-14 1-15	WP953	WDR	50	60	6908	7100	142	24 1/4					DEL
	SINGLES	6371.26															
24	D.C.'S	69816															
2	SJB	654	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB	900	FT.	WEIGHT	9.2	9.2	9.2	9.2	5.6	1/32	10.5						
	BIT OR C.B.		FT.	VISCOSITY	230	225	200	225	ADDITIVES								
			FT.	PUMP PRESSURE	1250	1250	1250	1300	Gel 2500								
	KELLY IN	1505	FT.	R.P.M. PUMP NO. 1	63	63	63	63	Caustic 50-4								
				R.P.M. PUMP NO. 2					Peltex 50								
				PUMP NO. 1	5 1/2	PUMP NO. 2	5 1/2										
TOTAL		7100	FT.														

REMARKS	START	STOP	INT VAL
Drill	400	615	2 1/4 3/4
Big Service + B.P.	615	630	1 1/4
Drill	630	1000	3 1/2 3/2
Work on STAN PIPE WELD	1000	1100	1
Drill	1100	1200	1 1

DRILL PIPE SIZE 1 1/2 TYPE X-H
B.O.P.'S TESTED Today

TOTAL NO. OF JOINTS 261		DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED 53120	LAST CALIPER DATE	RESULTS	CODE LETTER STRING
ELAPSED TIME 2054 - 1805		PRESSURE NIL		RESULTS ok	TOTCO RING ON BIT NO. 11		

TOOLPUSHER J. H. Woodcock
APPROVED BY J. H. Woodcock

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH	DATE <u>March 14, 71</u>		WELL NAME <u>ATHURSON C-22 TRAIT Lake No. 2</u>	
NO. 1	NO. 2	NO. 3	LAST CASING SIZE	LAST CASING SET AT	RIG NO. <u>5</u>	LOCATION LSD. <u>SEC. _____ TWP. _____ RGE. _____</u>
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM
TOUR NO. 1 MIDNIGHT TO 8 A.M.			1200	72	6882	8
DRILLER	Mitch Brychuk	8	162	11.19	6.1	58.17
DERRICK	E. Woodcock	8	65	STANDS	10	2 3/4
FLOOR	B. Day	8	2	SINGLES	6153.58	FT.
FLOOR	D. Molekin	8	24	D.C.'S	698.15	FT.
FLOOR	L. Page	8	2	SUB	654	FT.
FIREMAN			1	BIT OR C.B.	9.00	FT.
MECHANIC						
INJURIES						
TOTAL			6882.00	FT.		
TOUR NO. 2 8 A.M. TO 4 P.M.			6282	16	6908	3
DRILLER	P. Hansen	6	162	11.19	6.1	58.17
DERRICK	H. Thomas	8	65	STANDS	10	2 3/4
FLOOR	H. Metke	8	2	SINGLES	6153.58	FT.
FLOOR	A. Day	8	24	D.C.'S	698.15	FT.
FLOOR	J. Vandenbrink	8	2	SUB	654	FT.
FIREMAN			1	BIT OR C.B.	9.00	FT.
MECHANIC						
INJURIES						
TOTAL			6908.27	FT.		
TOUR NO. 3 4 P.M. TO MIDNIGHT			6908	3	6911	3/4
DRILLER	P. Vandenbrink	18	162	11.19	6.1	58.17
DERRICK	J. Halburky	8	66	STANDS	11	2 3/4
FLOOR	R. Shewchuk	8		SINGLES		
FLOOR	H. Dutch	8	24	D.C.'S	698.15	FT.
FLOOR	B. Skogfjord	8		SUB	654	FT.
FIREMAN						
MECHANIC						
INJURIES						
TOTAL			6911.97	FT.		
PIPE	N 1/2	TYPE	XH	TOTAL NO. OF JOINTS	261	DATE LAST SONOSCOPED
P.S. TESTED	Today	ELAPSED TIME	open + close	PRESSURE	N.H.	RESULTS
TOTAL FOOTAGE DRILLED			520726	LAST CALIPER DATE		RESULTS
TOTCO RING ON BIT NO.			11	CODE LETTER OF STRING		

DATE <u>MARCH 14, 71</u>		REPORT NO. <u>2</u>	
PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.			
REMARKS	START	STOP	TIME
Drill	1200	800	8:00
Drop Survey & Circ	11:00	11:15	1/4
Trip out Bit #10	11:15	11:45	2 1/2
Work Tight Hole	11:45	12:00	1/4
Run in to Btm to mix mud	12:00	12:15	1/4
Clean 30' to Btm Condition	12:15	12:30	1/4
Mud	12:30	12:45	1/4
Pull Out	400	780	3 1/2
Rig Release + Bop Check	730	800	1/2
Run in	800	915	1 1/4
Fill drill pipe at 4000 ft	915	945	1/2
Run in	945	1015	1/2
Break Circ + Clean to Btm	1015	1115	1
Drill	1115	1200	3/4
TOOLPUSHER <u>J. Halburky</u>			
APPROVED BY _____			

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>March 13, 71</u>		WELL NAME <u>Murphy CSP Tower 1 well 11-51</u>		DATE <u>March 13, 71</u>		REPORT NO. <u>21</u>													
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. SEC. TWP. RGE.													
NO. 1 <u>Emeco</u>	<u>12500</u>	<u>16</u>	<u>9 5/8</u>		<u>7 5/8</u>																	
NO. 2 <u>WILCOX</u>	<u>2000</u>	<u>14</u>																				
EACH EMPLOYEE MUST SIGN THIS BOOK			TOUR NO. 1 MIDNIGHT TO 8 A.M.		HOURS																	
DRILLER	<u>Mitch Baychuk</u>	<u>8</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	
DERRICK	<u>Woodcock</u>	<u>8</u>	STANDS		FT.																	
FLOOR	<u>B. Day</u>	<u>8</u>	SINGLES		FT.																	
FLOOR	<u>D. MacLean</u>	<u>8</u>	D.C.'S		FT.																	
FLOOR	<u>1 Page</u>	<u>8</u>	SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	G P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS								
FIREMAN			SUB		FT.	WEIGHT								Top Fuel Tank 5' 10"								
MECHANIC			BIT OR C.B.		FT.	VISCOSITY					ADDITIVES											
INJURIES					FT.	PUMP PRESSURE																
			KELLY IN		FT.	R.P.M. PUMP NO. 1																
					FT.	R.P.M. PUMP NO. 2																
			TOTAL		6688.00	FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE													
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS																			
DRILLER	<u>P. Hansen</u>	<u>12</u>	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		
DERRICK	<u>H. Thomas</u>	<u>8</u>	6688		14	6702	1/2	156	19x6 1/4	58	8	6216	46'	6052	3179	3-12-71	6685	1/2				
FLOOR	<u>H. Metke</u>	<u>12</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	
FLOOR	<u>A. Day</u>	<u>12</u>	63		STANDS	FT.	10	9 3/4	25598	X7 1/2	40	80	6688	6702	14	1/2						
FLOOR	<u>A. Warden Brink</u>	<u>8</u>	2		SINGLES	5967.46	FT.															
FLOOR			24		D.C.'S	698.15	FT.															
FLOOR			1		SUB	6.54	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
FLOOR			1		SUB	2.18	FT.	WEIGHT			89											
FIREMAN			1		BIT OR C.B.	9.00	FT.	VISCOSITY			445	ADDITIVES										
MECHANIC					FT.	PUMP PRESSURE				450	GEL 6.00											
INJURIES			KELLY IN		18	FT.	R.P.M. PUMP NO. 1			60												
					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												
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS																			
DRILLER	<u>Mitch Baychuk</u>	<u>4</u>	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		
DERRICK	<u>J. Hahabisky</u>	<u>8</u>	6702		98	6800	8	160	19x6 1/4	58	8	6216	46'	6052	3179	3-12-71						
FLOOR	<u>B. Day</u>	<u>4</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	
FLOOR	<u>D. MacLean</u>	<u>4</u>	64		STANDS	FT.	10	8 1/4	25598	X7 1/2	40	80	6688	6800	12	8 1/2						
FLOOR	<u>J. Gutek</u>	<u>8</u>	2		SINGLES	60576	FT.															
FLOOR			24		D.C.'S	698.15	FT.															
FLOOR			2		SUB	6.54	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
FLOOR			1		SUB	2.18	FT.	WEIGHT	29	8.8	8.8	8.8				1) Alard MacLean 8 hrs						
FIREMAN			1		BIT OR C.B.	9.00	FT.	VISCOSITY	182	170	148	143	ADDITIVES GEL-10 58X									
MECHANIC					FT.	PUMP PRESSURE	600			750	CAUSTIC - 50 #											
INJURIES			KELLY IN		2469	FT.	R.P.M. PUMP NO. 1	60	60	101	PEITEX - 50 #											
					FT.	R.P.M. PUMP NO. 2					C.M.C (REG) - 50 #											
			TOTAL		6800.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2												
DRILL PIPE SIZE	<u>4 1/2</u>	TYPE	<u>XSH</u>	TOTAL NO. OF JOINTS	<u>261</u>	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED		<u>52828</u>	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING										
B.O.P.'S TESTED				ELAPSED TIME				PRESSURE				RESULTS				TOTCO RING ON BIT NO. <u>10</u>						
TOOLPUSHER <u>J. H. Williams</u>												APPROVED BY										

DAY WORK RECORD

[illegible]

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>March 11-71</u>		WELL NAME <u>Atkinson Cap. Grand Lake 11-51</u>		DATE <u>March 11-71</u>		REPORT NO. <u>19</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NO. 2 <u>Calwell</u>	<u>214-P</u>	<u>14"</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Woodcock</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>Rig Lining + Bays Check</u></td> <td><u>130</u></td> <td><u>145</u></td> <td><u>1 1/4</u></td> </tr> <tr> <td>FLOOR <u>M. Shuchuk</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>Run in with packer</u></td> <td><u>145</u></td> <td><u>415</u></td> <td><u>2 1/2</u></td> </tr> <tr> <td>FLOOR <u>H. Ewack</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>Heading up to test</u></td> <td><u>415</u></td> <td><u>430</u></td> <td><u>1/4</u></td> </tr> <tr> <td>FLOOR <u>B. Skagbyrd</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>test</u></td> <td><u>430</u></td> <td><u>3</u></td> <td><u>5 1/2</u></td> </tr> <tr> <td>FIREMAN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MECHANIC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>INJURIES</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">TOUR NO. 2 8 A.M. 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VANDENBRINK</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>PULL OUT TEST #2</u></td> <td><u>900</u></td> <td><u>130</u></td> <td><u>3 1/2</u></td> </tr> <tr> <td>FLOOR <u>B. Day</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>Break down TESTER</u></td> <td><u>130</u></td> <td><u>330</u></td> <td><u>2</u></td> </tr> <tr> <td>FLOOR <u>D. McLean</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>PICK UP SHOCK SUB</u></td> <td><u>330</u></td> <td></td> <td></td> </tr> <tr> <td>FLOOR <u>DEK. H. THOMAS</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>POW IN W BIT</u></td> <td><u>400</u></td> <td></td> <td></td> </tr> <tr> <td>FIREMAN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MECHANIC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>INJURIES</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">TOUR NO. 3 4 P.M. 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HALIBURY</u></td> <td><u>12</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>CLEAN 15' FILL</u></td> <td><u>545</u></td> <td><u>615</u></td> <td><u>1 1/2</u></td> </tr> <tr> <td>FLOOR <u>H. METRE</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>CIRC 4 CONDITION MUD TO LOG</u></td> <td><u>615</u></td> <td><u>1200</u></td> <td><u>5 3/4</u></td> </tr> <tr> <td>FLOOR <u>A. DAY</u></td> <td><u>8</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FLOOR <u>J. 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REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emm</i>	D-500	116
NO. 2 <i>Ridwell</i>	214-P	14

LAST CASING SIZE	LAST CASING SET AT
9 5/8	7.55

DATE *March 10-71*

WELL NAME *Atkinson cap trout lake - m-51*

DATE *March 10-71*

REPORT NO. *18*

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS

AND ALSO RECORD CORE CUTTERS, CATCHER, 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	
																8		5360		46		5396		3225		3-9-71					
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										
65	STANDS			611.27 FT.																											
	SINGLES			FT.																											
18	D.C.'S			514.98 FT.																											
2	SUB			6.54 FT.		MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH		GENERAL REMARKS																
	SUB			FT.		WEIGHT							PRE Flow 4 MI.																		
	BIT OR C.B.			FT.		VISCOSITY					ADDITIVES		TO FLARE PIT MEASURED																		
	D.S.T.			80.05 FT.		PUMP PRESSURE							DRAG MUD TO SURFACE																		
	KELLY IN			FT.		R.P.M. PUMP NO.1							SALT WATER 110,000																		
				FT.		R.P.M. PUMP NO.2							M.A.C.I																		
				FT.		PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE		I.H.P. 3232. T.S.I. 25																						
TOTAL									F.H. 3192. D.H.T.																						

REMARKS	START	STOP	INT VAL
D.S.T. no. 1	12:00	1:00	1
Pull Test	1:00	6:00	5
Break down tool + lay down	6:00	8:00	2
RAN D.S.T. #1, 6688-6558 BY JOHNSON			
PREFLOW 4 MINS. G.T.S. IN 60 SECS OR LESS OPENED			
TO FLARE PIT MEASURED @ 108 MCF SURGING DURING V.O.			
DRCS MUD TO SURFACE IN 23 MIN. RECOVERED 5100' MUD			
SALT WATER 110,000 PPM. NACL Bottom Sample 165,000 PPM.			
NACL			
I.H.P. 3232. I.S.I. 2517 I.F.P. 1892 F.F. 2410 F.S.I. 2517			
F.H. 3192 B.H.T. 244°			

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	DEGREE	
6688					154 M	5 6 3/4	58 M	8		5560	46	5396	3225	3-9-71				
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	CONDI-ION
	STANDS	FT.	10	8 3/4	X75	25598	X75			6688								
	SINGLES	5935.77			2-14 1-12													
24	D.C.'S	69815 FT.																
2	SUB	6.54 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	SUB	218 FT.	WEIGHT			9.2	9.2	5.2	32	8.0								
1	BIT OR C.B.	9.00 FT.	VISCOSITY			2.60	220	ADDITIVES	2 gal. 2000 FT									
		FT.	PUMP PRESSURE				800	sample	100 FT									
	KELLY IN	56.56 FT.	R.P.M. PUMP NO.1					Run at	50 FT									
			R.P.M. PUMP NO.2					Run at	50 FT									
TOTAL			6688.00 FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		Run - 1000 - 2 Pails (10 GAL)										

REMARKS	START	STOP	INT VAL
Check motor shut off	8:00	8:15	1/4
Run in bit #10 - slow	8:15	11:00	2 3/4
Can mud (gas + salt cut)	11:00	4:00	5

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

RS	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	DEGREE		
				6688		158m	5x6 3/4 19x6 1/4	58m	8	5724	46	5396	3225	39-71		6685	11/2		
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	REAMED TO	CONDIT ION
63	STANDS			10	8 3/4	2x14 1413	25598	X75											
1	SINGLES			5935.77															
24	D.C.'S			698.15															
2	SUB CO.			6.54	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB			2.18	FT.	WEIGHT		9.0	9.1					Pipe Tally - 5935.77.					
1	BIT OR C.B. SHOWS			9.00	FT.	VISCOSITY		118	158		ADDITIVES	GEL - 35 SAX	Measure. 5933.69						
					FT.	PUMP PRESSURE		1300	1300		CAUSTIC - 150#	DIFF. 2.08							
	KELLY IN			36.36	FT.	R.P.M. PUMP NO. 1		100	100		PELTEX - 150#								
						R.P.M. PUMP NO. 2					C.M.C. (REGULAR) 50#	Willard Yadeau 8 hrs							
	TOTAL			6688.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2					M. Romanuk 8 hrs					
														LAST	RESULTS	CODE LETTER			

REMARKS	START	STOP	INT VAL
Circ. 4 Condition. Mud	4:00	8:15	4 1/4
Trip Out + Measure	8:15	11:30	3 1/4
Lay Down Short Sub, Pictograph	11:30	12:00	1/2
			8 hrs.

DRILL PIPE SIZE *4 1/2* TYPE *X.H.*
B.O.P.'S TESTED *March 10/71*

TOTAL NO. OF JOINTS	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	PRESSURE	RESULTS	TOTCO RING ON BIT NO.
<i>261</i>	<i>5/27/76</i>	<i>52716</i>	<i>111</i>	<i>OK</i>	

TOOLPUSHER *J. Halabisky*
APPROVED BY _____

DAY WORK RECORD

DATE March 9/71 REPORT NO. 17

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

PUMPS			DATE		WELL NAME		REPORT NO.	
MANUFACTURER	TYPE	STROKE LENGTH						
NO. 1 Emsco	500	16						
NO. 2 Milwell	214-P	14						
EACH EMPLOYEE MUST SIGN THIS BOOK								
TOUR NO. 1 MIDNIGHT TO 8 A.M.								
DRILLER P. Swinkinson								
DERRICK E. Woodcock								
FLOOR R. Shuchuk								
FLOOR H. Eversack								
FLOOR B. Shagfjord								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 2 8 A.M. TO 4 P.M.								
DRILLER Mitch Baychuk								
DERRICK W. Woodcock								
FLOOR B. Day								
FLOOR D. McLean								
FLOOR								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 3 4 P.M. TO MIDNIGHT								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 4 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 5 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 6 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 7 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 8 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 9 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 10 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 11 8 A.M. TO 4 P.M.								
DRILLER P. Hansen								
DERRICK J. Hakebisky								
FLOOR H. Metke								
FLOOR A. Day								
FLOOR J. Gutek								
FIREMAN								
MECHANIC								

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>March 8-77</u>		WELL NAME <u>Althinsen Cap. trout lake N-51</u>		DATE <u>March 8-77</u>		REPORT NO. <u>16</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____	
NO. 1 <u>Emco</u>	<u>D-500</u>	<u>16</u>	<u>9 5/8</u>		<u>755</u>					
NO. 2 <u>Edwell</u>	<u>214-P</u>	<u>14</u>	<u>9 5/8</u>		<u>755</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
TOUR NO. 1 MIDNIGHT TO 8 A.M.			6414	90	6504	7 3/4	146m	8-6 3/4	58m	0
DRILLER <u>P. Lundberg</u>	8		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT
DERRICK <u>E. Woodcock</u>	8		61	STANDS		8	8 3/4	open	28150	XDV
FLOOR <u>K. Shewchuk</u>	8		1	SINGLES		5747.39				6326
FLOOR <u>H. Enoch</u>	8		24	D.C.S.		698.15				
FLOOR <u>B. Skagford</u>	8		2	SUB		6.54	FT.	MUD	12 MID.	2 A.M.
FIREMAN			1	SUB		2.18	FT.	WEIGHT	9.2	9.2
MECHANIC			1	BIT OR C.B.		9.00	FT.	VISCOSITY	120	120
INJURIES										
			KELLY IN	39.00	FT.	PUMP NO. 1	60	60	60	60
						PUMP NO. 2	0m	84m		
			TOTAL	6504.26	FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"	
TOUR NO. 2 8 A.M. TO 4 P.M.			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S.	D.C. WEIGHT	TRIPS
			6504	1	6505	0	148m	8-6 3/4	58m	1
DRILLER <u>M. Royce</u>	8		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT
DERRICK <u>I. VANDERBRUG</u>	8		61	STANDS		8	8 3/4	open	28160	XDV
FLOOR <u>B. Day</u>	8		1	SINGLES		5749.39				6326
FLOOR <u>D. McRAW</u>	8		24	D.C.S.		698.15				
FLOOR			2	SUB		6.54	FT.	MUD	8 A.M.	10 A.M.
FIREMAN			1	SUB		2.18	FT.	WEIGHT	9.2	9.2
MECHANIC			1	BIT OR C.B.		9.00	FT.	VISCOSITY	80	120
INJURIES										
			KELLY IN	39.00	FT.	PUMP NO. 1				
						PUMP NO. 2				
			TOTAL	6505.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"	
TOUR NO. 3 4 P.M. TO MIDNIGHT			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S.	D.C. WEIGHT	TRIPS
			6505	85	6590	6 1/4	148m	8-6 3/4	58m	1
DRILLER <u>P. Hansen</u>	8		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT
DERRICK <u>F. Halabisty</u>	8		62	STANDS		9	8 3/4	open	28674	XDV
FLOOR <u>H. Metke</u>	8		1	SINGLES		5841.70				6505
FLOOR <u>A. Day</u>	8		24	D.C.S.		698.15				
FLOOR <u>J. Guter</u>	8		1	SUB		6.54	FT.	MUD	4 P.M.	6 P.M.
FIREMAN			1	SUB		2.18	FT.	WEIGHT	9.2	9.3
MECHANIC			1	BIT OR C.B.		9.00	FT.	VISCOSITY	118	99
INJURIES										
			KELLY IN	32.	FT.	PUMP NO. 1	62	62	62	62
						PUMP NO. 2	On Burs and Mixer	C.M.C. (REG)	50#	
			TOTAL	6590.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"	
DRILL PIPE SIZE	4 1/2	TYPE	X-H	TOTAL NO. OF JOINTS	261	DATE LAST SONOSCOPED		FOOTAGE DRILLED SINCE LAST SONOSCOPED	52716	TOTAL FOOTAGE DRILLED
B.O.P.'S TESTED	ALL	ELAPSED TIME	Close-open	PRESSURE	NIL	RESULTS	OK	TOTCO RING ON BIT NO.		

TOOLPUSHER J. Hibbard

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>March 7-71</u>		WELL NAME <u>Albion C-S-P Road Lake A-51</u>		DATE <u>March 7-71</u>		REPORT NO. <u>15</u>													
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>three</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____													
TOUR NO. 1 MIDNIGHT TO 8 A.M.			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
DRILLER <u>P. Sweeney</u>	<u>D-400</u>	<u>16</u>	6180	139	6319	7 3/4	145M	19-6 3/4	58M	0	8	4847	92	4847	3271	March 6/71		Drill	12:05	12:15	1/4	
DERRICK <u>E. Woodcock</u>	<u>214-P</u>	<u>14</u>	9 7/8		7 5/8													Drill	12:15	12:30	1/4	
FLOOR <u>N. Shewchuk</u>			2	SINGLES	559742													Drill	12:30	12:45	1/4	
FLOOR <u>H. Enoch</u>			24	D.C.'S	69815																	
FLOOR <u>B. Skifford</u>			2	SUB	654	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
FIREMAN			1	SUB	9.00	FT.	WEIGHT	4.2	92	92	92	6.6	732	7.5								
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	78	80	95	92	ADDITIVES		GEL 4800								
INJURIES						FT.	PUMP PRESSURE	1250	1300	1500	1300	CAUSTIC 20 lbs										
				KELLY IN	11.00	FT.	R.P.M. PUMP NO. 1	60	60	59	60	C.M.C. Reg 50										
						FT.	R.P.M. PUMP NO. 2							Top tank 3ft								
						FT.	PUMP NO. 3 LINER SIZE							Btm tank 1.50 ft.								
TOUR NO. 2 8 A.M. TO 4 P.M.			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
DRILLER <u>Mitch Borchuk</u>			6319	7	6326	4	145M	19-6 3/4	58M	1	8	5050	92	4847	3271	5-6-71	6325	1 1/2	DRILL	8:00	8:15	1/4
DERRICK <u>VANDENBRINK</u>			59	STANDS		FT.	7	8 3/4	512	50796	X19	45	80	5837	6326	489	22 3/4		Circ. SAMPLER	8:15	9:45	1 1/4
FLOOR <u>B. Day</u>			2	SINGLES	539422		8 3/4	OPEN	28150	XDV	45	80	6326						DROP SURVEY	9:45	10:15	1/2
FLOOR <u>D. McLENN</u>				D.C.'S	69815														TRIP FOR BIT #7	10:15	10:30	1/4
FLOOR			2	SUB	654	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
FIREMAN			1	SUB	9.00	FT.	WEIGHT	9.2							CHECK Bops out of hole							
MECHANIC			1	T.I.W.	2.18	FT.	PUMP PRESSURE	1200				GEL 18 SKS										
INJURIES				KELLY IN	1598	FT.	R.P.M. PUMP NO. 1	60														
						FT.	R.P.M. PUMP NO. 2															
						FT.	PUMP NO. 1 LINER SIZE	5 1/2				PUMP NO. 2 LINER SIZE		5 1/2								
TOUR NO. 3 4 P.M. TO MIDNIGHT			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
DRILLER <u>P. Sweeney</u>			6326	88	6414	8	145M	19-6 3/4	58M		8	5050	92	4847	3271	5-6-71		DRILL	4:00	12:00		
DERRICK <u>E. Woodcock</u>			60	STANDS		FT.	8	8 3/4	OPEN	28150	XDV	50	80	6326	3271	9:5	8					
FLOOR <u>N. Shewchuk</u>			1	SINGLES	562255																	
FLOOR <u>H. Enoch</u>				D.C.'S	69815																	
FLOOR <u>B. Skifford</u>				SUB	654	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
FIREMAN				SUB	9.00	FT.	WEIGHT	9.2	9.3	93	6.0	3/32	9.5	Willard Nadeau 11 lbs.								
MECHANIC				BIT OR C.B.	2.18	FT.	VISCOSITY	105	105	75	75	ADDITIVES		1 lbs Conc. Reg		Maxim Pumps 12 lbs						
INJURIES						FT.	PUMP PRESSURE	600	650	650	Gel 30 SKS											
				KELLY IN	41.00	FT.	R.P.M. PUMP NO. 1	60	60	60												
						FT.	R.P.M. PUMP NO. 2															
						FT.	PUMP NO. 1 LINER SIZE	5 1/2				PUMP NO. 2 LINER SIZE		5 1/2								
DRILL PIPE SIZE	<u>A 1/2</u>	TYPE	<u>X-H</u>	TOTAL NO. OF JOINTS	<u>261</u>	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING									
B.O.P.'S TESTED	<u>Today</u>		ELAPSED TIME	<u>OPEN & Closed</u>		PRESSURE	<u>NIL</u>		RESULTS	<u>OK</u>		TOTCO RING ON BIT NO. #	<u>4</u>									
														TOOLPUSHER	<u>J. Wilber</u>							
														APPROVED BY								

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>MARCH 6/71</u>		WELL NAME <u>ATKINSON C.S.P. TROUT LA F-457</u>		DATE <u>MARCH 6/71</u>		REPORT NO. <u>14</u>		
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>THREE</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____		
TOUR NO. 1 MIDNIGHT TO 8 A.M.			FROM <u>5837</u>	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	
DRILLER <u>P. SVEINBJORNSEN</u>			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	
DERRICK <u>E. WOODCOCK</u>			STANDS	FT.	7	8 3/4"	3-12	30796	XIG	5837	
FLOOR <u>N. SEWCHUCK</u>			SINGLES	5091.89	FT.						
FLOOR <u>H. EWACH</u>			D.C.'S	698.15	FT.						
FLOOR <u>B. SKAGFORD</u>			SUB	6.54	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	
FIREMAN			SUB	9.00	FT.	WEIGHT	T	R			
MECHANIC			BIT OR C.B.	FT.	VISCOSITY						
INJURIES			KELLY IN	31.00	FT.	R.P.M. PUMP NO. 1					
			R.P.M. PUMP NO. 2								
			PUMP NO. 1 LINER SIZE	5 1/2"		PUMP NO. 2 LINER SIZE	5 1/2"				
			TOTAL	5837.42	FT.						
			GENERAL REMARKS							REMARKS	
			180 ft. fill							Big Derrick	
			TALLY - 5837.00							Pull out (Double Machine)	
			MANSON - 5835.07							Check Blind Rams	
			DIFF - 1.93'							Run in D.C.'s	
			No CORRECTION							Slip and cut line	
										Run in D.P.	
										Back line + then to bottom	
										Beam to Btm.	
TOUR NO. 2 8 A.M. TO 4 P.M.			FROM <u>5837</u>	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	
DRILLER <u>Mitch Boychuk</u>			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	
DERRICK <u>IVAMENBRICK</u>			STANDS	FT.	7	8 3/4"	3-12	30796	XIG	40 M	
FLOOR <u>D. DAY</u>			SINGLES	6281.35	FT.						
FLOOR <u>D. McLEARN</u>			D.C.'S	698.15	FT.						
FLOOR			SUB	6.54	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	
FLOOR			SUB	9.00	FT.	WEIGHT	9.0	9.0	9.1	7.2	
FIREMAN			BIT OR C.B.	FT.	VISCOSITY	95	80	68	72	32	
MECHANIC			PUMP PRESSURE	1200	115	1200	1200	9.6L	3500 #		
INJURIES			KELLY IN	41.00	FT.	R.P.M. PUMP NO. 1	60	60	60	60	
			R.P.M. PUMP NO. 2					CAUSTIC 100 #			
			PUMP NO. 1 LINER SIZE	5 1/2"		PUMP NO. 2 LINER SIZE	5 1/2"	PELTEX 50 #			
			TOTAL	6036.04	FT.						
			GENERAL REMARKS							REMARKS	
			BEREX 3"							DRILL	
										CIRC + TATCO	
										DRILL	
TOUR NO. 3 4 P.M. TO MIDNIGHT			FROM <u>6036</u>	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	
DRILLER <u>P. SVEINBJORNSEN</u>			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	
DERRICK <u>E. WOODCOCK</u>			STANDS	5437.26	FT.	7	8 3/4"	3-12	30796	XIG	
FLOOR <u>N. SEWCHUCK</u>			SINGLES	FT.							
FLOOR <u>N. C. CASH</u>			D.C.'S	698.15	FT.						
FLOOR <u>B. SKAGFORD</u>			SUB	6.54	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	
FLOOR			SUB	9.00	FT.	WEIGHT	9.1	9.1	9.2	9.1	
FIREMAN			BIT OR C.B.	FT.	VISCOSITY	95	85	80	76		
MECHANIC			PUMP PRESSURE	1200	1200	1200	1200	9.6L			
INJURIES			KELLY IN	31.00	FT.	R.P.M. PUMP NO. 1	60	60	60	60	
			R.P.M. PUMP NO. 2					CAUSTIC			
			PUMP NO. 1 LINER SIZE	5 1/2"		PUMP NO. 2 LINER SIZE	5 1/2"	PELTEX			
			TOTAL	6180.95	FT.						
			GENERAL REMARKS							REMARKS	
			Motor kills, BOPS & Kelly/rock ALL WORKED OK.							Drill	
			Willard 8 hrs.							Survey Check Motor	
										KILLS, HYDRIL & PIPE	
										RAMS & KELLY COCK	
										DRILL	
DRILL PIPE SIZE	4 1/2	TYPE	XH	TOTAL NO. OF JOINTS	261	DATE LAST SONOSCOPED	3/4/71	FOOTAGE DRILLED SINCE LAST SONOSCOPED	5230.6	TOTAL FOOTAGE DRILLED	5230.6
B.O.P.'S TESTED	Today	ELAPSED TIME	Open Close	PRESSURE	N.I.L.	RESULTS	OK	TOTCO RING ON BIT NO.	7		

TOOLPUSHER

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS										DATE <u>March 5 / 71</u>										WELL NAME <u>Atkinson C.S.P. Trout Lake N-51</u>										DATE <u>March 5 / 71</u>										REPORT NO. <u>13</u>											
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		RIG NO.		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		EMSCO		D-500		16"		9 3/4"		755'		NO. 2		OLWELL		214-P		14"		5400'		170		5570		6 3/4		142M		5-6 3/4"		58.000		8		4843		46'		4150		3363		2-27-71		2471		1 1/2			
TOUR NO. 1 MIDNIC		O 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		REMARKS													
DRILLER		E. KERSCH		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		REAMED TO		CONDIT-ION		REMARKS									
DERRICK		J. HALABISKY		8		51		STANDS		FT.		6		8 3/4"		2-12		29459		XIG		45M		110		5152		5570		418		1 1/2										REMARKS									
FLOOR		H. METKE		8		2		SINGLES		4840																																REMARKS									
FLOOR		A. DAY		8		24		D.C.'S		698.15																																REMARKS									
FLOOR		J. GUTER		8		1		SUB XC		6.54		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS		REMARKS																					
FIREMAN						1		SUB		9.00		WEIGHT		9.2		9.2		9.2		9.1		6.4		3/2		9.5		Pumped shaker tank		REMARKS																					
MECHANIC								BIT OR C.B.		FT.		VISCOSITY		85		68		86		78		ADDITIVES		Gel - 56 sec		Fuel in Top Tank - 4'		REMARKS																							
INJURIES								KELLY IN		17.00		R.P.M.		PUMP NO. 1		60		60		60		60		CAUSTIC - 100#		Fuel in Bottom Tank 1/2'		REMARKS																							
TOTAL		5570.98		FT.		PUMP NO. 1		LINER SIZE		5 1/2"		PUMP NO. 2		LINER SIZE		5 1/2"		ON guns & mixed		Peltex - 50#		Nestle - 2 gallons						REMARKS																							
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		REMARKS													
DRILLER		P. Swenson		8		5570		183		5753		7		143M		5-6 3/4"		55M		0		8		4642		46		4150		3363		2-27-71		5650		1°		REMARKS													
DERRICK		E. Woodcock		8		53		STANDS		FT.		6		8 3/4"		2-12		29459		XIG		45		110		5152		5753		601		2.6								REMARKS											
FLOOR		W. Shewchuk		8		1		SINGLES		4998.19																														REMARKS											
FLOOR		W. Ewack		8		24		D.C.'S		698.15																														REMARKS											
FLOOR		B. Shagford		8		2		SUB		6.54		MUD		8 A.M.		10 A.M.		12 NOON		2 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS		REMARKS																					
FIREMAN						1		SUB		9.00		WEIGHT		9.2		9.2		9.2		9.1		6.4		3/2		9.0				REMARKS																					
MECHANIC								BIT OR C.B.		FT.		VISCOSITY		85		70		65		85		ADDITIVES		GEL 4200#				REMARKS																							
INJURIES								KELLY IN		41.00		R.P.M.		PUMP NO. 1		60		60		60		60		CAUSTIC 100#		EMC 50#		REMARKS																							
TOTAL		5753.38		FT.		PUMP NO. 1		LINER SIZE		5 1/2"		PUMP NO. 2		LINER SIZE		5 1/2"		ON guns		NO STIK - 2 gals		Benex 10#						REMARKS																							
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		REMARKS													
DRILLER		W. Shewchuk		8		5753		89		5837		4 3/4		143M		5-6 3/4"		58M		1		8		4847		46		4150		3363		2-27-71		5810		1 1/2°		REMARKS													
DERRICK		J. VANDERBEEK		8		54		STANDS		FT.		6		8 3/4"		2-12		29459		XIG		45		110		5152		5837		685		30 3/4								REMARKS											
FLOOR		B. DAY		8		1		SINGLES		5091.89		7		8 3/4"		2-12		50796		XIG		NEW																		REMARKS											
FLOOR		D. Meleu		8		24		D.C.'S		698.15																														REMARKS											
FLOOR						2		SUB		6.54		MUD		4 P.M.		6 P.M.		8 P.M.		10 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS		REMARKS																					
FIREMAN						1		SUB		9.00		WEIGHT		9.1		9.1		9.1		9.1		6.4		3/2		10°		Wellhead No. 14 has		REMARKS																					
MECHANIC								BIT OR C.B.		FT.		VISCOSITY		63		75		85		ADDITIVES		GEL 1350		2921		NO STIK		REMARKS																							
INJURIES								KELLY IN		31.42		R.P.M.		PUMP NO. 1		60		60		60		60		BENEX 4#		PELTEx 50		REMARKS																							
TOTAL		5837.00		FT.		PUMP NO. 1		LINER SIZE		5 1/2"		PUMP NO. 2		LINER SIZE		5 1/2"		CAUSTIC 100										REMARKS																							
DRILL PIPE SIZE		4 1/2"		TYPE		X H		TOTAL NO. OF JOINTS		261		DATE LAST SONOSCOPE		FOOTAGE DRILLED SINCE LAST SONOSCOPE		51963		TOTAL FOOTAGE DRILLED		RESULTS		CODE LETTER OF STRING																REMARKS													
B.O.P.'S TESTED				ELAPSED TIME				PRESSURE				RESULTS				TOT CO RING ON BIT NO.																						REMARKS													

TOOLPUSHER J. H. [Signature]
 APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emmer</i>	D500	16
NO. 2 <i>Outback</i>	24P	14

LAST CASING SIZE 9 7/8
LAST CASING SET AT 755

DATE *3 Mar 71*

WELL NAME *Chickson Trout Lake GSP M51*

DATE *3 Mar 71*

REPORT NO. *11*

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	DEGREE			
4768	144	4912	6 1/4	127M	5-6 1/2	58M		9	4441	46	4150	3363	2-27-71	4780	138			
					146 1/4									4843	138			
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		
44	STANDS	FT. 5	8 3/4	1-11/16 2-11	30773	X16	40 1/2 35 1/2	110 80	4507	4912	405	18 1/2						
2	SINGLES						45 M											
24	D.C.'S																	
1	SUB X0	654 FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	SUB shock	9.00 FT.	WEIGHT	9.1	9.1	9.1	9.1		3/42	9.5	Fuel in top tank - 5 1/2'							
	BIT OR C.B.	FT.	VISCOSITY	80	85	82	77	ADDITIVES Gel - 48 SBA				Fuel in bottom tank - 1 1/2'						
		FT.	PUMP PRESSURE	1335	1350	1350	1350	Beneex-12" Cypar-50"										
			R.P.M.					Caustic-100"										
KELLY IN	18	FT.	PUMP NO. 1	61	61	61	61	Peltex - 50"										
			R.P.M.															
			PUMP NO. 2															
TOTAL			4912.57	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2	Nostik - 2 gallons									

REMARKS	START	STOP	INT VAL
Drill	1200	1230	1/2
Circ and turn	1230	1115	3 1/4
Drill	1115	345	2 1/2
Circ and turn	345	445	1
Drill	445	800	3 1/4

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	
4912	128	5040	6 1/2	128M	5-6 1/2	58M	0	8	4441	46	4150	3363	2-27-71	4735	24	
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
46	STANDS	4305.96 FT.	5	8 3/4	2-11	30773	X16	40	110	4507	5040	533	25			116
	SINGLES	FT.														
24	D.C.'S	648.15														
2	SUB	6.54 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB	9.00 FT.	WEIGHT	9.0	9.0	9.0	9.0	6.0	732	9.0	Safely meeting					
	BIT OR C.B.	FT.	VISCOSITY	75	74	78	68	ADDITIVES	NB SIK 2 gal	held on						
		FT.	PUMP PRESSURE	1350	1350	1350	1350	DEX 14	Blowdown							
	KELLY IN	21.00	R.P.M. PUMP NO. 1	60	61	61	61	GEL-45 cell								
			R.P.M. PUMP NO. 2	on gens				Cypar 50#	peltex 50#							
TOTAL	5040.65		PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2	CAUSTIC	100#								

REMARKS	START	STOP	INT VAL
Drill	800	900	1
Circ and turn, Rep Check and	900	945	3/4
Drill	945	215	4 1/2
Drill	215	500	3/4
Drill	500	400	1

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	DEGR		
5040	92	5132	7 1/4	130 M	5-6 1/2	58 M	8	4441	46	4150	3363	227-71	5112	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	REAMED TO	COND
	STANDS	4100	8 1/2	5	8 3/4	2-11	30773	X16	40	110	4507	5132	625	32 1/2			
	SINGLES	4101	FT.														
24	D.C.'S	698	15														
1	SUB X0	654	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
2	SUB shock	9.00	FT.	WEIGHT	9.1	9.1	9.1	9.1				Willard No. 14 tra					
	BIT OR C.B.		FT.	VISCOSITY	81	70	75	70	ADDITIVES GEL - 2906#				Marin Roman 12 hrs				
		1-	FT.	PUMP PRESSURE	1350	1350	1350	1350	BENEEX - 10#				C.D.C. 50#				
	KELLY IN	1744	FT.	R.P.M. PUMP NO. 1	60	60	60	60	CAUSTIC - 100#								
				R.P.M. PUMP NO. 2	ON MIXER.				PELTIX - 50 CYPAN - 50#								
TOTAL				5132.80	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2	NO STICK - 2 GAL							
												LAST		RESULTS		CODE LETTER	

REMARKS	START	STOP	INT VAL
Drill	1100	1015	6 1/4
Circ + Totco	1015	1100	3 1/4
Drill	1100	1300	1

DRILL PIPE SIZE 4 1/2 TYPE X-11

TOTAL NO. OF JOINTS	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
261			51258		O.K	

B.O.P.'S TESTED TO DAY

ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.
OPEN + CLOSED	N.L	O.K	5

TOOLPUSHER *J. H. H. H.*

APPROVED BY *J. H. H. H.*

DAY WORK RECORD

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>28 Feb 71</u>		WELL NAME <u>Athenson C.S.P. Mount Lake MS1</u>		DATE <u>28 Feb 71</u>		REPORT NO. <u>8</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. SEC. TWP. RGE.	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S.	D.C. WEIGHT	TRIPS
DRILLER <u>E. Kersch</u>			3624	149	3773	7 1/2	100M	19-6 1/2	58M	8
DERRICK <u>J. Halabisky</u>			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT
FLOOR <u>H. MEKE</u>			22	STANDS	3	8 3/4	1-12	28475	XIG	40M
FLOOR <u>A. DAY</u>			1	SINGLES						80
FLOOR <u>J. GUTER</u>			D.C.'S	698.15						3344
FIREMAN			SUB	6.54	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	FOOTAGE FROM
MECHANIC			SUB	9.00	WEIGHT	8.9	8.9	8.8	8.8	FOOTAGE TO
INJURIES			BIT OR C.B.		VISCOSITY	42	40	37	42	FOOTAGE HOURS
					PUMP PRESSURE	1200	1200	1200	1200	CORED FROM
			KELLY IN	32	R.P.M.	60	60	60	60	CORED TO
					PUMP NO. 1	60	60	60	60	REAMED FROM
					PUMP NO. 2					REAMED TO
			TOTAL	3773.61	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2		CONDIT-ION
										REMARKS
										Drill
										12.00
										12.30
										1/2
										8
TOUR NO. 2 8 A.M. TO 4 P.M.			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S.	D.C. WEIGHT	TRIPS
DRILLER <u>P. Schindler</u>			3773	147	3920	7	112M	19-6 1/2	58M	8
DERRICK <u>E. Woodcock</u>			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT
FLOOR <u>N. Shewchuk</u>			34	STANDS	3	8 3/4	1-12	28475	XIG	55M
FLOOR <u>H. G. Smith</u>				SINGLES						30
FLOOR <u>S. Skaggs</u>			24	D.C.'S	698.15					3344
FIREMAN			SUB	6.54	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	FOOTAGE FROM
MECHANIC			SUB	9.00	WEIGHT	8.9	8.9	8.8	8.8	FOOTAGE TO
INJURIES			BIT OR C.B.		VISCOSITY	43	40	40		FOOTAGE HOURS
					PUMP PRESSURE	1200	1200	1100		CORED FROM
			KELLY IN	26.00	R.P.M.	54	59	65		CORED TO
					PUMP NO. 1					REAMED FROM
					PUMP NO. 2					REAMED TO
			TOTAL	3920.29	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2		CONDIT-ION
										REMARKS
										Drill
										8.00
										8.45
										3/4
										7/4
										1/2
										3 3/4
										2 1/2
										2 1/2
TOUR NO. 3 4 P.M. TO MIDNIGHT			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S.	D.C. WEIGHT	TRIPS
DRILLER <u>M. B. Boychuk</u>			3920	92	4012	4 1/2	115M	19-6 1/2	58M	1
DERRICK <u>H. Thomas</u>			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT
FLOOR <u>B. Day</u>			35	STANDS	3	8 3/4	1-12	28475	XIG	55
FLOOR <u>D. McLean</u>				SINGLES						85
FLOOR <u>J. Van der Brink</u>			24	D.C.'S	698.15					3344
FIREMAN			SUB	6.54	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	FOOTAGE FROM
MECHANIC			SUB	9.00	WEIGHT	8.8	8.8	8.8	8.8	FOOTAGE TO
INJURIES			BIT OR C.B.		VISCOSITY	50	85	70	8	FOOTAGE HOURS
					PUMP PRESSURE	1200	1200	1200		CORED FROM
			KELLY IN	24.71	R.P.M.	60	60	60	8	CORED TO
					PUMP NO. 1					REAMED FROM
					PUMP NO. 2					REAMED TO
			TOTAL	4012.00	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2		CONDIT-ION
										REMARKS
										Drill
										11.00
										11.15
										11.45
										12.15
										12.45
										1.15
										1.45
										2.15
										2.45
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										9.15
										9.45
										10.15
										10.45

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Sept. 27/71</u>		WELL NAME <u>Atkinson C.P. Sweet Lake M-51</u>		DATE <u>Sept. 27/71</u>		REPORT NO. <u>7</u>											
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE	LAST CASING SET AT	RIG NO. <u>2300</u>	LOCATION	LS.D.	SEC.	TWP.	RGE.										
NO. 1 <u>EMSCO</u>	<u>D-500</u>	<u>16"</u>	<u>9 5/8"</u>	<u>755'</u>	PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.															
NO. 2 <u>DILWELL</u>	<u>214-P</u>	<u>14"</u>																		
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	REMARKS	TIME
DRILLER <u>E. KERSCH</u>	<u>8</u>		<u>311306</u>	<u>150</u>	<u>3263</u>	<u>6 1/4</u>	<u>5 1/2"</u>	<u>5-6 1/2"</u>	<u>55.000</u>	<u>8</u>	<u>3943</u>	<u>92</u>	<u>3680</u>	<u>3409</u>	<u>2-14-71</u>	<u>3250</u>	<u>1 1/2</u>	<u>1 1/2</u>	<u>Rig Service</u>	<u>1200</u>
DERRICK <u>J. HALABISKY</u>	<u>8</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
FLOOR <u>H. METKE</u>	<u>8</u>		<u>27</u>	<u>STANDS</u>		<u>2</u>	<u>8 3/4</u>	<u>2-10</u>	<u>23082</u>	<u>XIG</u>	<u>110</u>	<u>3413</u>	<u>3263</u>	<u>125</u>	<u>26 1/2</u>					
FLOOR <u>A. DAY</u>	<u>8</u>			<u>SINGLES</u>								<u>2012</u>	<u>3263</u>	<u>1251</u>						
FLOOR <u>J. GUTER</u>	<u>8</u>			<u>D.C.'S</u>																
FIREMAN				<u>SUB</u>	<u>XO</u>	<u>6.54</u>	<u>FT.</u>	<u>MUD</u>	<u>12 MID.</u>	<u>2 A.M.</u>	<u>4 A.M.</u>	<u>6 P.M.</u>	<u>WATER LOSS</u>	<u>FILTER CAKE</u>	<u>PH</u>	GENERAL REMARKS				
MECHANIC																FUEL IN TOP TANK = 6'				
INJURIES																FUEL IN BOTTOM TANK = 3'				
																RESILTER SHUT DOWN				
																DUE TO MOTOR FAILURE				
																No STICK = 2 galv.				
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	REMARKS	TIME
DRILLER <u>P. Swinburnson</u>	<u>8</u>		<u>3263</u>	<u>81</u>	<u>3344</u>	<u>2</u>	<u>105</u>	<u>19 1/2"</u>	<u>55.1</u>	<u>1</u>	<u>8</u>	<u>4150</u>	<u>46</u>	<u>4150</u>	<u>3363</u>	<u>2-27-71</u>	<u>3300</u>	<u>1 1/2</u>	<u>Drill</u>	<u>800</u>
DERRICK <u>E. Woodcock</u>	<u>8</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
FLOOR <u>N. Shewchuk</u>	<u>8</u>		<u>27</u>	<u>STANDS</u>		<u>2</u>	<u>8 3/4</u>	<u>2-10</u>	<u>23082</u>	<u>XIG</u>	<u>25m</u>	<u>80</u>	<u>2012</u>	<u>3344</u>	<u>1330</u>	<u>28 1/2</u>				
FLOOR <u>H. Ewack</u>	<u>8</u>		<u>2</u>	<u>SINGLES</u>								<u>2012</u>	<u>3344</u>	<u>1330</u>	<u>28 1/2</u>					
FLOOR <u>B. Shagford</u>	<u>8</u>			<u>D.C.'S</u>																
FIREMAN				<u>SUB</u>		<u>6.54</u>	<u>FT.</u>	<u>MUD</u>	<u>8 A.M.</u>	<u>10 A.M.</u>	<u>12 NOON</u>	<u>2 P.M.</u>	<u>WATER LOSS</u>	<u>FILTER CAKE</u>	<u>PH</u>	GENERAL REMARKS				
MECHANIC																15 GEL				
INJURIES																1 gal 20 STIK				
																50# CMC				
																4# BENEK				
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	REMARKS	TIME
DRILLER <u>Mitch Boychuk</u>	<u>8</u>		<u>3344</u>	<u>280</u>	<u>3624</u>	<u>6</u>	<u>108m</u>	<u>9-6 1/2"</u>	<u>55.1</u>	<u>8</u>	<u>4150</u>	<u>46</u>	<u>4150</u>	<u>3363</u>	<u>2-27-71</u>	<u>3431</u>	<u>3 1/2</u>	<u>10</u>	<u>Rig Ser + Bc. P. check</u>	<u>1400</u>
DERRICK <u>H. Thomas</u>	<u>8</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
FLOOR <u>B. Day</u>	<u>8</u>		<u>30</u>	<u>STANDS</u>		<u>3</u>	<u>8 3/4</u>	<u>2-11</u>	<u>28475</u>	<u>XIG</u>	<u>115</u>	<u>3344</u>	<u>3624</u>	<u>280</u>	<u>6</u>					
FLOOR <u>D. McLean</u>	<u>8</u>			<u>SINGLES</u>																
FLOOR <u>J. VANDERBEEK</u>	<u>8</u>			<u>D.C.'S</u>																
FIREMAN				<u>SUB</u>	<u>XO</u>	<u>6.54</u>	<u>FT.</u>	<u>MUD</u>	<u>4 P.M.</u>	<u>6 P.M.</u>	<u>8 P.M.</u>	<u>10 P.M.</u>	<u>WATER LOSS</u>	<u>FILTER CAKE</u>	<u>PH</u>	GENERAL REMARKS				
MECHANIC																Maven Romanke 12 hrs				
INJURIES																BEN-EX - 5 SAX				
																CAUSTIC - 100#				
																NO STICK - 2 GAL				
																ON @ LINS				
																115239				
DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>XH</u>	TOTAL NO. OF D.C.'S <u>861</u>	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED <u>49750</u>	LAST CALIPER DATE	RESULTS	CORE LETTER OF STRING												
B.O.P.'S TESTED <u>TODAY</u>	ELAPSED TIME <u>open + closed</u>	PRESSURE <u>OK</u>	RESULTS <u>OK</u>	TOTCO RING ON BIT NO. <u>3</u>																

TOOLPUSHER J. Halloran
 APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb. 26/71

REPORT NO. 6

WELL NAME Pitkin C.S.P. Deutlake M-51

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

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
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NO. 1	EMSCO	D-500	16"
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NO. 2	Onwell	214-P	14"
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TOUR NO. 1	MIDNIGHT TO 8 A.M.	HOURS
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DRILLER	E. KERSCH	8
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DERRICK	J. HALABICKS	8
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FLOOR	H. METKE	8
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FLOOR	A. Day	8
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FLOOR	J. GUTER	8
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FIREMAN		
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MECHANIC		
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INJURIES		
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LAST CASING SIZE	LAST CASING SET AT
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FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM
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2012	467	2479	6 1/4
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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
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18	STANDS		1671.5	2	8 3/4	1-11	28082	XIG	40 M	110	2012	2479	467	10 1/4			Drill
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2	SINGLES		62.22														Drill
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24	D.C.'S		709.85														Drill
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	SUB XO		654	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS				
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	SUB Shank		9.00	FT.	WEIGHT		8.4	8.4	8.5				Fuel in top tank - 3'				
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	BIT OR C.B.			FT.	VISCOSITY		28	28	28	ADDITIVES	water		Fuel in bottom tank - 3'				
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				FT.	PUMP PRESSURE		1400	1400	1400								
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				FT.	R.P.M. PUMP NO. 1		59	59	59								
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				FT.	R.P.M. PUMP NO. 2												
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				FT.	R.P.M. PUMP NO. 1												
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				FT.	R.P.M. PUMP NO. 2												
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TOTAL	2479.17	FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"											
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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
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2479	457	2936	6 1/2	90 M	5-6 1/4	55 M	0	8	3993	92	3680	3409	2-19-71	2680	92
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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
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23	STANDS															Run
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1	SINGLES		2170.6													Drill
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24	D.C.'S		709.85													Drill
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	SUB XO		6.94	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS			
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	SUB		9.00	FT.	WEIGHT		8.5									
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	BIT OR C.B.			FT.	VISCOSITY		28			ADDITIVES						
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				FT.	PUMP PRESSURE		1400									
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				FT.	R.P.M. PUMP NO. 1		60									
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				FT.	R.P.M. PUMP NO. 2											
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TOTAL	2936.97	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2											
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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
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2936	177	3113		100 M	5-6 1/4	55 M		8	5993	92	3680	3409	2-19-71	2990	2
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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
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25	STANDS															Drill
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1	SINGLES		2359.27													Drill
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24	D.C.'S		709.85													Drill
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	SUB XO		654	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS			
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	SUB Shank		9.00	FT.	WEIGHT		8.5	8.6	8.6				Mud in tank - 22 hrs			
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	BIT OR C.B.			FT.	VISCOSITY		28	28	34	38	ADDITIVES	GEL - 80 SAK	Mud in tank - 19 hrs			
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				FT.	PUMP PRESSURE		1500	1500	1400	BEN-EY - 10 BAGS						
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				FT.	R.P.M. PUMP NO. 1		61	56	56	CAUSTIC - 200 LBS						
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				FT.	R.P.M. PUMP NO. 2					NO STICK - 2 BAGS						
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TOTAL	3113.06	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2											
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TOTAL NO. OF JOINTS	DATE LAST SONOSCOPE	FOOTAGE DRILLED SINCE LAST SONOSCOPE	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
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261			49239			
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B.O.P.'S TESTED	T. DAY	ELAPSED TIME	OPEN & CLOSED	PRESSURE	NIL	RESULTS	OK
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TOOLPUSHER	J. Halabick	APPROVED BY	
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TOOLPUSHER	J. Halabick	APPROVED BY	
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TOOLPUSHER	J. Halabick	APPROVED BY	
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REGENT DRILLING LIMITED

DAY WORK RECORD

DATE FEB. 25/71 REPORT NO. 5

PUMPS			DATE <u>FEB. 25/71</u>		WELL NAME <u>ATKINSON C.S.P. TROUT LAKE M-51</u>		RIG NO. <u>THREE</u>		LOCATION <u>LS.D.</u> <u>SEC.</u> <u>TWP.</u> <u>RGE.</u>		DATE OF LAST CUT <u>FEB 19 71</u>		AT SURVEYS DEGREES		REMARKS		TIME							
MANUFACTURER	TYPE	STROKE LENGTH	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	REMARKS	START	STOP	INT VAL	
TOUR NO. 1	EMSCO	D-500	16"	9 5/8"	755	896	141	1 1/4	62m	5-6 3/4	49m	8	8	3780	92	3750	3409	FEB 19 71			Big Service	1200	1215	1/4
DRILLER	E. KERSCH																			Pressure Test Hydril				
DERRICK	J. HALABISKY																			DRILL CHOKER MANIFOLD TO 1400'				
FLOOR	H. MEIKE																			HALD FOR 15 MIN NO LEAKS				
FLOOR	A. DAY																			CHECK MOTOR SHUT OFFS				
FLOOR	J. GUTER																			DISPLACE @ DIRECTIONAL FILL	2 1/2			
FIREMAN																				DRILL OUT FLOAT-SHOCK				
MECHANIC																				4 CEMENT	6 30	8 00	4 1/4	
INJURIES																				DRILL	6 30	8 00	1 1/2	
TOTAL			896.11																					
TOUR NO. 2			8 A.M. TO 4 P.M.																					
DRILLER	P. LINDGREN				896	898	1794	5 1/4	80m	5-6 3/4	49m	0	8	3780	92	3750	3409	FEB 19 71	10 50	1/2	Big Service - Bap. Check.	8 00	8 15	1/4
DERRICK	E. WOODCOCK																			Drill	8 15	10 00	1 3/4	
FLOOR	M. SHENCK																			Circ and Run Survey -	10 00	10 30	1/2	
FLOOR	H. ECK																			Drill	10 30	12 30	2	
FLOOR	B. SHAGGARD																			Circ and Run Survey -	12 30	1 00	1 1/2	
FIREMAN																				Drill	1 00	2 30	1 1/2	
MECHANIC																				Circ and Run Survey 1670-15	2 30	3 00	1/2	
INJURIES																				Drill	3 00	4 00	1	
TOTAL			1794.45																					
TOUR NO. 3			4 P.M. TO MIDNIGHT																					
DRILLER	E. KERSCH				1794	218	2012	3 1/4	80m	5-6 3/4	49m	8	8	3780	92	3750	3409	FEB 19 71	19 50	1/2	Big Service	4 00	4 15	1/4
DERRICK	J. HALABISKY																			Drill	4 15	6 45	2 1/2	
FLOOR	H. MEIKE																			Circ and Run Survey	6 45	7 15	1 1/2	
FLOOR	A. DAY																			DRILL	7 15	8 00	3/4	
FLOOR	J. GUTER																			PULL OUT	8 00	9 45	1 3/4	
FIREMAN																				Change bit run in D.C. pickup 300'	9 45	11 30	1 3/4	
MECHANIC																				Run in Pipe	11 30	12 00	1/2	
INJURIES																								
TOTAL			2012.46																					
TOUR NO. 4			12 A.M. TO 4 A.M.																					
DRILLER	E. KERSCH																							
DERRICK	J. HALABISKY																							
FLOOR	H. MEIKE																							
FLOOR	A. DAY																							
FLOOR	J. GUTER																							
FIREMAN																								
MECHANIC																								
INJURIES																								
TOTAL			2012.46																					
TOUR NO. 5			4 A.M. TO 8 A.M.																					
DRILLER	E. KERSCH																							
DERRICK	J. HALABISKY																							
FLOOR	H. MEIKE																							
FLOOR	A. DAY																							
FLOOR	J. GUTER																							
FIREMAN																								
MECHANIC																								
INJURIES																								
TOTAL			2012.46																					

TOOLPUSHER J. Halabisky
APPROVED BY _____

DATE FEB. 24/71 REPORT NO. 4

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

PUMPS			DATE		WELL NAME		REPORT NO.	
MANUFACTURER	TYPE	STROKE LENGTH						
NO. 1	EMSCD	D-500	16"	LAST CASING SIZE		LAST CASING SET AT		
NO. 2	214-P	14"	9 3/8"	755'		RIG NO. THREE		
EACH EMPLOYEE MUST SIGN THIS BOOK			FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			8		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			8		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			8		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			8		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			8		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER P. SWEINBERG			12		FOOTAGE		TOTAL DEPTH	
DERRICK E. WOOD COCK			12		FOOTAGE		TOTAL DEPTH	
FLOOR N. SEWCHUK			12		FOOTAGE		TOTAL DEPTH	
FLOOR H. EWACH			12		FOOTAGE		TOTAL DEPTH	
FLOOR B. SKINGBIFORD			12		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			4		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 4 12 M. TO 12 A.M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			4		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 5 12 A.M. TO 12 M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			4		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 6 12 M. TO 12 A.M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			4		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 7 12 A.M. TO 12 M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			4		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 8 12 M. TO 12 A.M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	
FLOOR J. GUTER			4		FOOTAGE		TOTAL DEPTH	
FIREMAN					FOOTAGE		TOTAL DEPTH	
MECHANIC					FOOTAGE		TOTAL DEPTH	
INJURIES					FOOTAGE		TOTAL DEPTH	
TOUR NO. 9 12 A.M. TO 12 M.			HOURS		FOOTAGE		TOTAL DEPTH	
DRILLER E. KERSCH			4		FOOTAGE		TOTAL DEPTH	
DERRICK J. HALABISKY			4		FOOTAGE		TOTAL DEPTH	
FLOOR H. METKE			4		FOOTAGE		TOTAL DEPTH	
FLOOR A. DAY			4		FOOTAGE		TOTAL DEPTH	

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	LOCATION	SEC.	TWP.	RGE.	DATE	REPORT NO.											
TOUR NO. 1 MIDNIGHT TO 6 A.M.			HOURS																										
DRILLER	M. Tech Baychuk		8																										
DERRICK	H. Thomas		12																										
FLOOR	B. Day		17																										
FLOOR	D. McLean		8																										
FLOOR	J. Vanderbeek		8																										
FIREMAN																													
MECHANIC																													
INJURIES			J. STAFFE OVER TO RUN CSNG & CRANK																										
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS																										
DRILLER	E. KERSCH		8																										
DERRICK	J. HARABISKY		8																										
FLOOR	H. METKE		8																										
FLOOR	A. DAY		8																										
FLOOR	J. GUTER		8																										
FIREMAN																													
MECHANIC																													
INJURIES																													
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS																										
DRILLER	P. Swinburnson		8																										
DERRICK	E. Woodcock		8																										
FLOOR	N. Sheuchuk		8																										
FLOOR	N. Ewack		8																										
FLOOR	B. Skogfjord		8																										
FIREMAN																													
MECHANIC																													
INJURIES																													
DRILL PIPE SIZE			4 1/2		TYPE			X-11		TOTAL NO. OF JOINTS		261		DATE LAST SONOSCOPIED				FOOTAGE DRILLED SINCE LAST SONOSCOPIED		46730		LAST CALIPER DATE				RESULTS		CODE LETTER OF STRING	
B.O.P.'S TESTED					ELAPSED TIME					PRESSURE				RESULTS				TOTCO RING ON BIT NO.											

TOOLPUSHER *J. H. H. H.*
APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE FEB 22 REPORT NO. 2

PUMPS				DATE <u>FEB 22</u>		WELL NAME <u>ATKINSON OPS - Trout Lake</u>		LOCATION <u>LSD. SEC. TWP. RGE.</u>		DATE <u>FEB 22</u>		REPORT NO. <u>2</u>		
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING DET AT		RIG NO. <u>THREE</u>		LOCATION <u>LSD. SEC. TWP. RGE.</u>		DATE <u>FEB 22</u>		REPORT NO. <u>2</u>	
NO. 1 <u>EMSCO</u>	<u>D500</u>	<u>16</u>	LAST CASING SIZE		LAST CASING DET AT		RIG NO. <u>THREE</u>		LOCATION <u>LSD. SEC. TWP. RGE.</u>		DATE <u>FEB 22</u>		REPORT NO. <u>2</u>	
NO. 2 <u>WILSON</u>	<u>2-14P</u>	<u>14</u>	LAST CASING SIZE		LAST CASING DET AT		RIG NO. <u>THREE</u>		LOCATION <u>LSD. SEC. TWP. RGE.</u>		DATE <u>FEB 22</u>		REPORT NO. <u>2</u>	
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS														
DRILLER <u>E. KERBCH</u>	<u>8</u>		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
DERRICK <u>H. THOMAS</u>	<u>8</u>		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE
FLOOR <u>B. DAY</u>	<u>8</u>		2	SINGLES		6163 FT.	2A	13 3/4	OPEN	20331 RT. OSC 31	15	160	312	464
FLOOR <u>D. MCLEAN</u>	<u>8</u>		12	D.C.S.		352.87 FT.								
FLOOR <u>J. VANDERBRINK</u>	<u>8</u>					2.60 FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH
FIREMAN						2.88 FT.	WEIGHT							
MECHANIC						3.66 FT.	VISCOSITY							
INJURIES						4.1 FT.	PUMP NO. 1							
TOTAL <u>464.69</u> FT.														
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS														
DRILLER <u>E. KERBCH</u>	<u>4</u>		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
DERRICK <u>J. HALABISKY</u>	<u>8</u>		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE
FLOOR <u>H. METKE</u>	<u>8</u>		3	STANDS		31014 FT.	2A	13 3/4	OPEN	RT. TIA OSC 33	35M	160	312	713
FLOOR <u>A. DAY</u>	<u>8</u>		12	D.C.S.		352.87 FT.								
FLOOR						2.60 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH
FLOOR						2.88 FT.	WEIGHT							
FIREMAN						3.66 FT.	VISCOSITY							
MECHANIC							PUMP PRESSURE							
INJURIES						41.00 FT.	R.P.M. PUMP NO. 1							
TOTAL <u>713.15</u> FT.														
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS														
DRILLER <u>P. Dromberg</u>	<u>8</u>		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
DERRICK <u>E. Woodcock</u>	<u>8</u>		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE
FLOOR <u>M. Shewchuk</u>	<u>8</u>		4	STANDS		373.35 FT.	2A	13 3/4	CON	RT. OSC 20M	160	312	443	755
FLOOR <u>H. Ewack</u>	<u>8</u>		12	D.C.S.		352.87 FT.								
FLOOR <u>B. Skar</u>	<u>8</u>					2.60 FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH
FIREMAN						2.88 FT.	WEIGHT							
MECHANIC						3.66 FT.	VISCOSITY							
INJURIES						19.88 FT.	PUMP NO. 1							
TOTAL <u>755.00</u> FT.														
TOUR NO. 4 12 A.M. TO 8 A.M. HOURS														
DRILLER			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
DERRICK			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE
FLOOR														
FLOOR														
FIREMAN														
MECHANIC														
INJURIES														
TOTAL														
TOUR NO. 5 8 A.M. TO 4 P.M. HOURS														
DRILLER			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
DERRICK			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE
FLOOR														
FLOOR														
FIREMAN														
MECHANIC														
INJURIES														
TOTAL														
TOUR NO. 6 4 P.M. TO MIDNIGHT HOURS														
DRILLER			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
DERRICK			NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE
FLOOR														
FLOOR														
FIREMAN														
MECHANIC														
INJURIES														
TOTAL														

TOOLPUSHER G. H. H. H.

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>FEB 21</u>		WELL NAME <u>ATKINSON CSP TROUT</u>		DATE <u>FEB 21</u>		REPORT NO. <u>1</u>												
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>THREE</u>		LOCATION <u>MSI</u>												
NO. 1																					
NO. 2																					
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	START	STOP	INT VAL
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS																					
DRILLER	<u>E. KERSCH</u>	<u>8</u>																			
DERRICK	<u>H. THOMAS</u>	<u>8</u>																			
FLOOR	<u>B. DAY</u>	<u>8</u>																			
FLOOR	<u>D. MCLEAN</u>	<u>8</u>																			
FLOOR	<u>J. VANDERBRICK</u>	<u>8</u>																			
FIREMAN																					
MECHANIC																					
INJURIES																					
TOTAL																					
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS																					
DRILLER	<u>E. KERSCH</u>	<u>4</u>																			
DERRICK	<u>J. HALABISKY</u>	<u>8</u>																			
FLOOR	<u>H. METKE</u>	<u>8</u>																			
FLOOR	<u>A. DAY</u>	<u>8</u>																			
FLOOR																					
FIREMAN																					
MECHANIC																					
INJURIES																					
TOTAL																					
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS																					
DRILLER	<u>P. Swinkerman</u>	<u>8</u>																			
DERRICK	<u>E. Woodcock</u>	<u>8</u>																			
FLOOR	<u>N. Shewchuk</u>	<u>8</u>																			
FLOOR	<u>B. Shagford</u>	<u>8</u>																			
FLOOR																					
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		
TOTAL CO. RING ON BIT NO.						TOOLPUSHER <u>J. Hubbard</u>		
APPROVED BY								

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 20/71 REPORT NO. _____

WELL NAME Atkinson & Sp-1000 Lake
M-51

DATE 20 Feb 71

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

PUMPS			LAST CASING SIZE		LAST CASING SET AT		RIG NO.		LOCATION		LSD.		SEC.		TWP.		RGE.		REMARKS		TIME			
MANUFACTURER	TYPE	STROKE LENGTH	NO. 1	NO. 2	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	START	STOP	INT VAL
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS																								
DRILLER																								
DERRICK	<u>H. THOMAS</u>	<u>8</u>																						
FLOOR	<u>B. DAY</u>	<u>8</u>																						
FLOOR	<u>D. McLEAN</u>	<u>8</u>																						
FLOOR																								
FIREMAN																								
MECHANIC																								
INJURIES																								
TOTAL																								
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS																								
DRILLER	<u>E. KERSCH</u>	<u>8</u>																						
DERRICK	<u>J. HALABISKY</u>	<u>12</u>																						
FLOOR	<u>H. METKE</u>	<u>12</u>																						
FLOOR	<u>A. DAY</u>	<u>12</u>																						
FLOOR																								
FIREMAN																								
MECHANIC																								
INJURIES																								
TOTAL																								
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS																								
DRILLER	<u>P. L. Jones</u>	<u>12</u>																						
DERRICK	<u>E. Woodcock</u>	<u>12</u>																						
FLOOR	<u>N. Shewchuk</u>	<u>12</u>																						
FLOOR	<u>B. Shagfard</u>	<u>12</u>																						
FLOOR	<u>J. Kondratiech</u>	<u>4</u>																						
FIREMAN																								
MECHANIC																								
INJURIES																								
TOTAL																								

TOOLPUSHER J. H. BARB

APPROVED BY _____

DAY WORK RECORD

DATE FEB 19/71

REPORT NO.

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

[illegible]

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1		
NO. 2		

LAST CASING SIZE	LAST CASING SET AT

DATE FEB 18/71

WELL NAME ATKINSON

DATE FEB 18/71

REPORT NO. _____

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

DRILLER

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
	STANDS		FT.														
	SINGLES		FT.														
	D.C.'S		FT.														
	SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
	SUB		FT.	WEIGHT													
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES								
			FT.	PUMP PRESSURE													
			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													

DERRICK H. THOMAS 13

FLOOR D. MCLEAN 13

FLOOR B. DAY 11

FLOOR

FIREMAN

MECHANIC

INJURIES

REMARKS	START	STOP	INT VAL
<u>MOVE RIG & RIG UP</u>	<u>8⁰⁰</u>	<u>9⁰⁰</u>	<u>13</u>

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

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
	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													
			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													

DRILLER E. WERSCH 11

DERRICK J. HALABISKY 11

FLOOR H. METKE 11

FLOOR A. DAY 11

FLOOR

FIREMAN

MECHANIC

INJURIES

REMARKS

Rig up 8⁰⁰ 7⁰⁰ 11⁰⁰

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

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
	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													
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES								
			FT.	PUMP PRESSURE													
			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													

DRILLER P. Linnhansson 11

DERRICK E. Woodcock 11

FLOOR N. Shewchuck 11

FLOOR B. Shagfjord 11

FLOOR

FIREMAN

MECHANIC

INJURIES

REMARKS

Rig up 8⁰⁰ 7⁰⁰ 11⁰⁰

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 J. Hubbard

APPROVED BY _____

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
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NO. 1		
NO. 2		

LAST CASING SIZE LAST CASING SET AT

DATE FEB 17 / 71

WELL NAME ATKINSON

DATE FEB 17 / 71

REPORT NO. _____

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

REMARKS TIME START STOP INT VAL

DRILLER

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

DERRICK H. THOMAS 14

STANDS FT.

FLOOR D. McLENN 12

SINGLES FT.

FLOOR

D.C.'S FT.

FLOOR

SUB FT. MUD 12 MID. 2 A.M. 4 A.M. 6 P.M. WATER LOSS FILTER CAKE PH GENERAL REMARKS

FLOOR

SUB FT. WEIGHT

FIREMAN

BIT OR C.B. FT. VISCOSITY ADDITIVES

MECHANIC

FT. PUMP PRESSURE

INJURIES

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

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

REMARKS

DRILLER E. KERSCH 11

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

DERRICK

STANDS FT.

FLOOR H. METKE 12

SINGLES FT.

FLOOR

D.C.'S FT.

FLOOR

SUB FT. MUD 8 A.M. 10 A.M. 12 NOON 2 P.M. WATER LOSS FILTER CAKE PH GENERAL REMARKS

FLOOR

SUB FT. WEIGHT

FIREMAN

BIT OR C.B. FT. VISCOSITY ADDITIVES

MECHANIC

FT. PUMP PRESSURE

INJURIES

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

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

REMARKS

DRILLER P. Swenbjornson 11

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

DERRICK

STANDS FT.

FLOOR

SINGLES FT.

FLOOR

D.C.'S FT.

FLOOR

SUB FT. MUD 4 P.M. 6 P.M. 8 P.M. 10 P.M. WATER LOSS FILTER CAKE PH GENERAL REMARKS

FLOOR

SUB FT. WEIGHT

FIREMAN

BIT OR C.B. FT. VISCOSITY ADDITIVES

MECHANIC

FT. PUMP PRESSURE

INJURIES

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

TOOLPUSHER J. Wilbur

APPROVED BY _____