

ATKINSON ET AL. - JOLAND RIVER J-44

Drilling Authority No. 399
Date Issued 15 January 1970

WELL NAME Atkinson et al Island River J-44

FIELD
LOCATION: Unit J Section 44 Grid 60-10, 120-15
Latitude 60-07-31 Longitude 120-23-10
U.W.L.R. 60.05061 - 120.38611
U.W.I. 3603446010120150

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
15/2/70	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
22/5/70	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well. Well History Supplement.
20-5-70	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.....



Drilling Authority No. 398

Date issued 15-1-70

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

WELL COMPLETION DATA

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

Well name and number Atkinson at al Island River J-64
Permit No. E-2 Lease No. 511-69
Pan American + Union Exploratory Licence No. 1231 & 1237
(Permitter, Lessee, Licensee)
Atkinson Petroleum Ltd. Exploratory Licence No. 1361
(Operator)
Location: East Section 44 Grid 60°10' 120°15'
Latitude 60° 33' 31" Longitude 120° 23' 12"
From Established Reference Marker
Universal Grid Location Reference EE. 120.38811 W. 60.03861 N

	DATE	DEPTH	Pack(s)
Spudded	Jan. 23/70		Intervel(s) open to production.
Suspended			
Resumed Operations			
Finished Drilling	Feb. 21/70	7083'	
Deepened			Elevation Gr. 1851.6 K.A. 1866
Complete type, size			Dr. No. 2
Abandoned	Feb. 25/70		Drilling Contractor Regent Drilling
Relinquished	Feb. 25/70		Contractor's Business Licence No. 501

CASING RECORD

Casing Size (Inches)	Grade	Weight	Length	Set at -	Bottom of Cement and Address
1. 9 5/8"	J-55	36	727.38'	724'	300 xxs + 24 CaCl.
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS

ELEVATION

CORE RECORD

	Depth	Sub-Sec	From	To	Rec.	From	To	Rec.
Mississippian	1718	+148						
Kotcho	2412	-546	No cores cut.					
Techo	2875	-1009						
Utah	3850	-1984						
Ft. Simpson	3905	-2039						
Muskwa	5667	-3803						
Slave Point	5772	-3906						
Klu2	6390	-4524						
Pine Pt.	6510	-4644	1	Ind. E.		723	7083	
Chinchaga	6508	-4742	1	BHCS		723	7083	
Red Beds	6950	-5084	1	Density		5550	7083	
Pre Cambrian	7045	-5179	1	SWNP		5550	7083	
			1	Por. Lith.		5550	7083	

SERVING RECORD (Aiding, Picking, etc.)

PERFORATING RECORD (Bullet, etc.)

CEMENTING RECORD (Plug, Square, etc.)

Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Feb. 14 6670	6650	70	xxx felt @ 6543								
- 5600	5700	60	xxx felt @ 5699								
- Feb. 23 775	675	60	xxx felt @ 670								
			3 xxx. surface plug installed with identification marker.								

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.R.H.P.	F.S.I.R.H.P.	L.F.R.H.P.	F.F.R.H.P.	I.M.P.	F.M.P.	REMARKS
1	Feb. 9	Sl. Pt.	5807	5820	90	45	180	2035	2485	99	84	2984	2956	OTS in 4 mins. @ 365 Mof in 20 mins. Rec. 90' dry. M.
2	Feb. 11	Sl. Pt.	5894	5909	60	45	120	2895	2092	85	8 92	3023	3001	OTS in 5 mins. @ 280 Mof in 19 mins. Rec. 600' heavy gas cut mud.
3	Feb. 22	Sl. Pt.	6600	6630	60	30	90	2588	2579	53	175	3446	3369	Rec. 90' d.m. 170' salt water.
4	Feb. 23	Sl. Pt.	5810	5840	180	60	340	2306	2424	818	750	3055	2934	Rec. 180' dr. fluid, 700' sl. muddy wtr. 779' sulphurous water. gas blow 10TH.

ANALYSIS

Lab. No.	Sample	From	To	Remarks
270-446	Gas	5807	5820	DST 01
270 447	Gas	5894	5909	DST 02
270 448	Gas	5810	5840	DST 04

PRESENT STATUS OF WELL

Oil	(Interest)
Gas	(Interest)
Dry	
Susp.	

Company **ATKINSON PETROLEUMS LTD.**

Signed by **Blair W. Wooley**

Title **Engineer**

Date **May 20, 1970**

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

Drilling Authority No. 399

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

JAN 9 1970

Application for a Drilling Authority

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

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

Name and number of well Atkinson et al Island River J-44
 Location: Unit J Section 44 Grid 60°10'N; 120°15'W
 Latitude 60° 03' 31" N. Longitude 120° 23' 10"
 Unique Well Identifier 3007446010120150
 Universal Well Location Reference Lat. 60.05861° N., Long. 120.38611° W.
 Elevation: Ground 1853.6' K.B. 1855.6 feet above sea-level.
 Well is expected to produce from Slave Point formation at a depth
 of about 6000 feet. Expected total final depth 7100
 Area assigned to well _____
 (For Oil Conservation Engineer's use only)

Permit No. N/A Lease No. 511-69 Acreage 12.792 acres
 Permittee, licensee, or lessee Pan American + Union Oil
 Exploratory License No. 1231 1237
 Surface owned by Crown or Crown (If alienated submit name and address of owner and acreage.)
 Petroleum and natural-gas rights owned by Crown
 We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Radius of Casing
1. <u>9 5/8"</u>	<u>32.30</u>	<u>H40</u>	<u>new</u>	<u>700</u>	<u>450</u>
2. <u>7</u>	<u>23</u>	<u>J55</u>	<u>new</u>	<u>6000</u>	<u>150</u>
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment:
Slave Point - gas
Presqu'île - gas
Hydril - Double gate ROF
 Well will be drilled with Rotary Rig No. 3 by Regent Drilling
 (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's business Licence No. 501
 At well Bland M. Wooster At registered office Bland M. Wooster
 Address _____ Address 540 - 5th Ave. S.W. Calgary.
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at Calgary, this 2 day of January, 1970
 Signed by Bland M. Wooster company Atkinson Petroleum Ltd.
 Title Chief Engineer Operator's Licence No. 1361
 (For Oil and Mineral Division use only)

APPROVED

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

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

Dated 15th January 1970

Oil Conservation Engineer

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

LAND 52-90-1 (3-69)

Reference Marker - Shot Point 37A, Line NBB, Union Oil geophysical work

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

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
4. A Letter of Appointment from Amoco Canada Petroleum Company Ltd. whereby Amoco Petroleum Ltd. is appointed Operator of Lease 511-69 is to be furnished to the Oil Conservation Engineer.

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



File No. _____
Drilling Authority No. **399**

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well on Suspended Drilling

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

Name and number of well Atkinson et al Island River 3-44
Location: Unit J Section 44 Grid 60°10'N, 120°15'W
Latitude 60°10'N Longitude 120°15'W
From Established Reference Marker
Universal Well Location Reference Lat. 60-05061°N. Long. 120-38611°W.
Permit No. N/A Lease No. 511-69

Plan No. + Union Oil
(Permit, License, Lease)

Date of commencement of proposed program Feb. 24, 1970

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at _____
Gas at 5887', 5884', 6400', 5810'
Water at 6600
Total Depth 7083' Date of last operations Feb. 26/70
Present condition of well Dry and abandoned.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Seals of Cement and Additives	Amount Filled
1. <u>9 5/8"</u>	<u>368</u>	<u>724.33'</u>	<u>724'</u>	<u>300 sxs 2# CaCl.</u>	
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Seals of Cement	Remarks
1	<u>6670-6550</u>	<u>Chinichaga</u>	<u>70 sxs</u>	<u>Felt @ 6543</u>
2	<u>5300-5700</u>	<u>Slave Pt.</u>	<u>60 sxs</u>	<u>Felt @ 5689</u>
3	<u>775-675</u>		<u>60 sxs</u>	<u>Felt @ 670</u>
	<u>Surface plug</u>		<u>5 sxs</u>	

The following logs have been run I.E.S., For. Lith., Form. Den., S.W.N.P., B.H.C.S.
Other operations proposed _____

Operations to be carried out by Regent Drilling Contractor Licence No. 501
Address 12th Flr. Calgary House, Calgary Address _____
Responsible Agent in field A. Henderson, Ft. St. John, B.C.
Dated at Calgary, this 14 Day of May, 1970
Signed by P.M. Woolfe Company ATKINSON PETROLEUMS LTD.
Title Engineer Operator's Exploratory Licence No. 1361

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thom
on the 23rd February 1970.

Dated 22nd May, 1970.

[Signature]
Oil Conservation Engineer

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

Geological Report

ATKINSON ET AL ISLAND RIVER J-44

60° 3' 31" N, 120° 23' 10" W.

Feb. 70 Simmonds & Associates

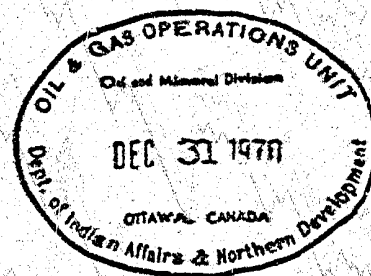
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GEOLOGICAL REPORT

ATKINSON ET AL ISLAND RIVER. J-44

60° 3'31" N, 120° 23'10" W.

Prepared for
ATKINSON PETROLEUMS LTD.
February 70



Prepared by
SIMMONDS & ASSOCIATES
Petroleum Consultants
Calgary

R. B. Simmonds

R. B. Simmonds, P. Geol.

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APPENDIX

COMPOSITE WELL HISTORY AND DRILLING TIME LOG.

SUMMARY OF PERTINENT DATA

WELL NAME: Atkinson et al Island River J-44

LOCATION: J-44 Grid: 60° 10' 120° 15'
Lat. 60° 03' 31" N. Long. 120° 23' 10" W

LESSEE: Pan American and Union Oil

OPERATOR: Atkinson Petroleum Ltd., 9th Floor, 540 - 5 Ave. S.W.
Calgary, Alberta

LOCATION: 300J446010120150 Lat. 60.05861 N. Long. 120.38611 W.

LEASE NO: 511-69

DRILLING
CONTRACTOR: Regent Drilling Rotary Rig #3

DRILLING
AUTHORITY: 399 issued 15th January, 1970

CLASSIFICATION: Wildcat

ELEVATIONS: Ground 1851.6' K.B. 1866

SPUDDED: 8:30 am January 23, 1970

T.D. DATE: 9:45 am February 21, 1970

HOLE SIZE: 12 1/4" 0 - 724' - Surface hole
8 3/4" 724' - T.D. (7083') - Main hole

CASING: Ran 724.88' of 36# J-55 range 3 Japanese casing
with guide shoe and float collar. Total of
727.38'. Two centralizers on first joint and
top of third joint. Cemented with 300 sacks of
cement with 2% calcium chloride. Set at
724' K.B. Casing size 9 5/8".

RIG RELEASE DATE: February 25, 1970

TOTAL DEPTH: Driller 7083'
Logger 7085'

WELL STATUS: Dry and abandoned

CORED INTERVALS: No cores cut

MUD TYPE: 0-3000 (Water)
3000 - T.D. (Gel base with additives)

SUMMARY OF GEOLOGICAL MARKERS

MARKER	PROGNOSIS DEPTH	SAMPLE DEPTH	LOG DEPTH	K.B. 1866	
				LOG ELEV.	THICKNESS
Mississippian	1901	7	1718	+148	794'
Kotcho	2651	2420	2412	-546	453'
Tetcha	--	--	2875	-1009	975'
Utahn	4151	3851	3850	-1984	55'
Ft. Simpson	4211	3903	3905	-2039	1764'
Muskwa	5916	5659	5667	-3803	103'
Slave Point	5991	5773	5772	-3906	618'
Klua	6541	6330	6390	-4524	120'
Pine Point	--	--	6510	-4644	98'
Chinchaga	--	6600	6608	-4742	342'
Red Beds	6830	6945	6950	-5084	85'
Precambrian	7116	7044	7045	-5179	
Total Depth		7083	7085	-5219	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 1

DEPTH	FOR.	TI	SA.	DESCRIPTION	K.B. 1866
<u>Note:</u> 1) Samples lagged. 2) Sample quality poor from 0 - 1700 (Abundant cavings). 3) Samples described by H. H. Christie.					
0 - 310		310		Shale, medium dark grey, chunky, micro micaceous; surface gravel, quartz pebbles, pink - white - clear; sandstone, medium grained quartzose, glassy, angular, friable, other miscellaneous rounded rock pebbles: some sandstone, ssp, fine grained, subangular, friable.	
310 - 440		130		Shale, medium grey, chunky, soft, micro micaceous in part; some sandstone, light grey white, fine grained to silty in part, sub-angular to sub-rounded, trace glauconite in part.	
440 - 840		400		Shale, as above, with some disseminated pyrite in part, trace sandstone as above; some quartz pebbles, round to sub-angular, white - clear - pink, traces massive pyrite.	
840 - 900		60		Shale, medium dark grey, chunky, soft, micro micaceous; siltstone, medium grey, traces kaolinitic (?), some glauconite; shale and siltstone interbedded; occasional round quartz pebbles, white, clear, pink; siltstone grading to very fine sandstone.	
900 - 930		30		Lithology as above except with siltstone, brown, quartzitic and hard, traces glauconite in part, grading into sandstone in part.	
930 - 1070		140		Shale, light medium grey, soft, chunky, micro micaceous in part; siltstone, as above; some limestone, light grey to brown grey, micro crystalline, argillaceous, traces crinoid fragments, slightly dolomitic in part.	
1070 - 1240		170		Lithology as above, with shale predominating, very poor samples, cavings common.	
1240 - 1710		470		Shale as above; siltstone, medium grey brown, sandy in part, friable, quartzose, some disseminated pyrite, calcareous in part; limestone, medium grey brown, micro crystalline, fossiliferous (crinoids), argillaceous in part.	

R. B. Simmonds

Atkinson et al Island River - J-44
60° 3' 31" N, 120° 23' 10" W.

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 2

DEPTH	FOUR	TH	DESCRIPTION
			K.B. 1866
			<u>MISSISSIPPIAN ?</u> <u>LOG 1718 (+148)</u>
1710 - 1870	160		Lithology as above, with siltstone becoming more common.
1870 - 1910	40		Siltstone, light grey, quartzose, friable, calcareous in part; Limestone, medium brown grey, micro crystalline, skeletal, slightly argillaceous in part; shale as above (some possible cavings) some fossil (crinoid stem fragments) - limestone.
1910 - 1980	70		Shale, light medium grey, splintery in part and platy, soft, micro micaceous, some siltstone and limestone as above; traces limestone crinoid fossil fragments.
1980 - 2410	420		Shale, light medium grey, chunky to platy in part, soft slightly calcareous in part, micro micaceous, traces disseminated pyrite in part.
			<u>KOTCHO 2420</u> <u>LOG 2412 (- 546)</u>
2410 - 2440	30		Limestone, light medium brown, micro crystalline, pelletoidal? and skeletal in part, argillaceous in part, siliceous interbedded with chert, white - light brown angular (bedded); Shale as above - cavings; traces calcite crystals associated with the limestone.
2440 - 2470	30		Lithology as above except with only a trace chert and siliceous material in the limestone.
2470 - 2690	220		Limestone, light medium brown, micro crystalline, skeletal in part, slightly argillaceous in part, very slightly dolomitic in part, traces slightly chalky in part, occasional crinoid stem fragments.
2690 - 2760	70		Shale, medium grey, chunky to splintery in part, micro micaceous; Shale, medium green grey to gray green, chunky to platy, micro micaceous, slightly calcareous.

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 3

DEPTH	FOAL	TI	SH	DESCRIPTION	K.B. 1866
2760 - 2770		10		Limestone, light medium brown, micro to crypto crystalline, very slightly argillaceous in part, traces crinoid stem fragments.	
2770 - 2780		10		Shale medium green grey to grey green as above and some shale, medium grey as above.	
2780 - 2790		10		Lithology as above, except with some limestone as above.	
2790 - 2830		40		Limestone as above, some shale, grey and grey green as above.	
2830 - 2840		10		Predominantly shale, green grey to grey green as above; some shale, medium grey as above, and some limestone as above.	
2840 - 2900		60		Limestone as above, with traces chalky limestone; some shale, grey green as above; some shale, medium grey as above.	
				<u>TETCHO ?</u>	<u>LOG 2875 (-1009)</u>
2900 - 2950		50		Limestone, light medium brown grey, micro to crypto crystalline, slightly argillaceous; Shale, grey green, as above; some shale, medium grey as above.	
2950 - 2960		10		Shale, grey to green grey, platy and splintery, micro micaceous in part, grey green shale is calcareous.	
2960 - 3040		80		Shale as above, some limestone as above.	
3040 - 3080		40		Limestone, light medium brown, occasional dark brown, micro to crypto crystalline, argillaceous, very slightly dolomitic in part, skeletal in part, traces fossil fragments; some shale, grey green and grey as above (possibly cavings).	
3080 - 3130		50		Limestone, light medium brown as above; with some limestone, chalky, white to light brown.	
3130 - 3230		100		Limestone as above, some shale, grey, chunky, soft, micro micaceous, some shale, green grey, platy to splintery, slightly calcareous, soft.	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 4

DEPTH	FOR.	TI	SE.	DESCRIPTION	K.B. 1866
3230 - 3310		80		Limestone, light medium grey brown to light medium brown, crypto to micro crystalline, some chalky in part, dolomitic in part, traces euhedral calcite crystals, traces fossil fragments.	
3310 - 3330		20		Limestone as above, becoming very fine crystalline to skeletal in part: some limestone as above, with some medium brown grey.	
3330 - 3340	5	5		Siltstone, white to light grey, salt and slightly pepper, slightly calcareous, hard, sub angular to angular grains, <u>poor-fair inter granular porosity</u> in part, some limestone as above.	
3340 - 3380	20	20		Siltstone as above, <u>with slight inter granular porosity</u> .	
3380 - 3390	5	5		Siltstone as above; white light brown to light grey, slightly dolomitic in part, micro to crypto crystalline, earthy texture in part.	
3390 - 3410	10	10		Limestone, white to light brown - grey brown, micro crystalline, <u>some fair - good inter crystalline and micro vuggy</u> , some associated calcite crystals; some siltstone as above.	
3410 - 3430		20		Limestone, as above, tight; traces siltstone as above (probably cavings).	
3430 - 3450	10	10		Siltstone, light brown - light grey, calcareous, friable, some with poor-fair inter granular porosity; limestone as above.	
3450 - 3570		120		Limestone, light grey brown to light grey, micro crystalline, slightly dolomitic in part, slightly argillaceous, earthy texture in part, associated with calcite crystals (euhedral in part); some siltstone as above.	
3570 - 3680		110		Limestone and Siltstone: shale, medium dark grey, chunky and platy, micro micaceous, soft; shale, grey green, splintery and platy, micro micaceous, slightly calcareous, traces siltstone as above.	
3680 - 3850		170		Shale, grey green as above; some shale medium dark grey as above and some limestone as above;	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 5

DEPTH	FOR.	TI	SI	DESCRIPTION	K.B. 1866
<u>UTAHN 3851</u> <u>LOG 3850 (-1984)</u>					
3850 - 3900		50		Limestone, white - light medium brown, micro to crypto crystalline, skeletal in part, earthy texture in part, very slightly silty in part, trace of bituminous? insoluble residue.	
<u>FT. SIMPSON 3903</u> <u>LOG 3905 (-2039)</u>					
3900 - 4030		130		Shale, grey green to green grey to medium grey, platy to splintery, soft, micro micaceous, slightly calcareous.	
4030 - 4500		470		Shale, as above, with someshale, brown grey to grey brown, chunky, firm, micro micaceous.	
4500 - 4820		320		Shales as above; some siltstone, light grey to green grey, quartzose, friable, calcareous, friable, glauconitic in part.	
4820 - 5660		840		Shales as above, predominantly grey green.	
<u>MUSKWA 5659</u> <u>LOG 5667 (-3803)</u>					
5660 - 5760		100		Shale, dark brown grey, chunky to platy, micro micaceous, very slightly calcareous in part, bituminous.	
<u>SLAVE POINT 5773</u> <u>LOG 5772 (-3906)</u>					
5760 - 78		18		Limestone, light brown to grey brown, micro crystalline to crypto crystalline in part, white chalky in part, slightly argillaceous, slightly dolomitic, pelletal in part, traces well formed calcite crystals.	
<u>Note:</u> Pipe tally @ 5769 - correction 9' corrected depth = 5778.					
5778 - 80		2		Trip sample - cavings. Shale (Fort Simpson and Muskwa as above).	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 6

DEPTH	PORE	TI	SH.	DESCRIPTION	K.B. 1866
5780 - 5800		20		Limestone, light brown to light grey brown to white, micro crystalline to sacro crystalline (very fine to medium crystalline), pelletal to skeletal? in part, slightly argillaceous in part, dolomitic, some vein calcite crystals (euhedral), traces quartz crystals.	
5800 - 10	5	5		Limestone as above, skeletal and birdseye textures becoming common, <u>trace inter crystalline porosity.</u>	
5810 - 20	10		X	Limestone, very light medium brown, micro crystalline to fine medium sacro crystalline, dolomitic in part, slightly argillaceous, skeletal in part, calcite euhedral crystals common, with <u>fair - good inter crystalline porosity, fair - good micro vuggy porosity, fair (oil) stain, trace bitumen.</u>	
<u>D.S.T. # (1) 5807 - 5820 G.T.S. @ 365 Mcf. REC. 90' G.C.M.</u>					
5820 - 5850	15	15	X	Limestone, light brown, grey brown, occasional white, micro to crypto crystalline, <u>some fair to good micro vuggy and inter crystalline porosity, porosity infilled with bitumen;</u> some limestone, white earthy texture, very soft; some calcite crystals, euhedral in part.	
5850 - 5880	5	25	bit	Limestone as above, except traces of slight porosity.	
5880 - 5890		10	X	Limestone, white, very light medium brown, micro to crypto crystalline to earthy texture, skeletal in part, some vein calcite crystals, <u>traces bitumen lining and infilling, traces of micro vuggy and inter crystalline porosity.</u>	
5890 - 5910	10	10	bit X	Limestone as above, except becoming micro sacro crystalline, <u>with some poor - fair inter crystalline porosity and traces micro vug porosity, poor to fair oil acid reaction where the porosity is developed.</u>	
5910 - 6000	5	85	bit X	Limestone as above, except with <u>no</u> apparent porosity or oil stain except for the occasional rock fragments (with some bitumen staining), in these occasional fragments, porosity is poor and often tight due to bitumen infilling.	
<u>D.S.T. # (2) 5884 - 5909 G.T.S. @ 270 Mcf. Rec. 600' G.C.M.</u>					

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 7

DEPTH	POB	TI	U.	DESCRIPTION	K.B. 1866
6000 - 6040	2	38	bit x	Limestone, as above, except becoming increasingly earthy and more chalky.	
6040 - 6060	1	19	bit x	Limestone, medium grey brown, crypto crystalline, some calcareous crystals lining and filling veins? very slightly argillaceous in part; some limestone as at 5880-90 sample except with no apparent porosity except for very occasional fragments, with micro vug porosity, with bitumen lining and in part infilling vugs. porous limestone appears to represent less than 2% of the sample.	
6060 - 6130	5	65	bit x	Limestone, white - light to occasional medium brown, micro to crypto crystalline, earthy and chalky texture common, very slight dolomitic in part, some calcite crystals, very occasional fragments; with poor - fair porosity, with bitumen lining or infilling; this porous limestone appears to have no permeability and appears to represent less than 2% of the sample.	
6130 - 6160	27	28		Limestone, medium - very dark brown to grey brown, micro to crypto crystalline, argillaceous and silty in part, slightly dolomitic in part, traces of porosity (inter crystalline and occasional micro vug porosity) represented in less than 2% of sample, no apparent oil stain or bitumen; traces fossil fragment.	
6160 - 6180		20		Limestone, as above, with no apparent porosity and becoming more argillaceous, traces disseminated pyrite; some shale, dark brown grey, soft, chunky, micro micaceous, very calcareous and grading to limestone as above, bitumen in part.	
6180 - 6200		20		Limestone, light dark grey brown, mottled in part, micro to crypto crystalline, skeletal in part, argillaceous in part, slightly dolomitic in part, traces disseminated pyrite, some limestone, medium - very dark brown as above; some shale, dark brown grey as above.	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 8

DEPTH	POB	TI	ST	DESCRIPTION	K.B. 7866
6200 - 6220		20		Limestone, light dark grey brown as above. and limestone medium very dark brown as above.	
6220 - 6230		10		Poor Sample - cavings from tripping. Limestone, as above and some shale as above.	
6230 - 6250		20		Limestone, medium very dark brown grey to grey brown, crypto to micro crystalline, argillaceous, traces disseminated pyrite in part; some shale, dark brown grey, calcareous, sub bituminous? micro micaceous, soft, chunky.	
6250 - 6280		30		Limestone, medium very dark brown grey to grey brown as above; traces shale, dark brown grey, as above.	
6280 - 6290		10		Limestone, very dark brown grey to grey brown, as above, grading into and interbedded with shale, very dark brown grey, soft to firm, chunky, micro micaceous, very calcareous, sub bituminous.	
6290 - 6310		20		Shale, very dark brown grey, as above, over 50% of sample grading into limestone as above.	
6310 - 6340		30		Lithology, as above, except shale and limestone as above with white calcite fossil fragments and calcite crystal inclusions. Limestone in this interval is estimated at 75% of sample.	
				<u>KLUA 6330</u>	<u>Log 6390 (-4524)</u>
6340 - 6350		10		Shale, as above, (estimated to constitute 7% of sample); some limestone, as above.	
6350 - 6530		180		Shale, medium to very dark grey, to very dark brown grey, sub bituminous in part, very calcareous, micro micaceous, abundant white calcite fossil material, grading into limestone, dark grey, some limestone and shale as above, micro crystalline, very argillaceous	
				<u>PINE POINT ?</u>	<u>Log 6510 (-4644)</u>
6530 - 6540		10		Limestone, mottled light - dark brown grey to grey brown, micro crystalline, skeletal, slight to very argillaceous.	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 9

DEPTH	FOR.	TI	SL.	DESCRIPTION	K.B. 1866
6520 - 6560		20		Limestone, as above, grading into and interbedding with shale, dark gray to brown grey, firm, very calcareous, micro micaceous, sub-bituminous, some white calcite fossil? material.	
6560 - 6600		40		Limestone, light - medium brown to very dark grey brown, micro to crypto crystalline, slightly dolomitic in part, skeletal; traces to some shale as above.	
				<u>CHINCHAGA 6600</u>	<u>LOG 6608 (-4742)</u>
6600 - 6610	3	7	x	Siltstone, medium brown, very firm (quartzitic) to friable in part, angular to sub angular, fair sorting, calcareous, <u>some poor - fair inter granular porosity, poor - fair oil acid reaction.</u> Sandstone, medium brown, very fine - medium grained, angular to sub angular, poor - fair sorting, friable in part to quartzitic in part, calcareous, euhedral calcite crystals common, <u>some good inter granular porosity, fair to poor oil acid reaction, some bitumen or dead oil associated with porosity.</u>	
6610 - 6620		10	x	Siltstone, as above, some dolomite, medium dark brown, micro crystalline, calcareous, argillaceous; traces sandstone as above; traces shale as above.	
6620 - 6640	6	14	x	Sample as at 6600-6610 except with some sandstone as above, and traces dolomite as above.	
6640 - 6650	5	5	x	Siltstone, as above, some sandstone as above, traces dolomite and shale as above.	
6650 - 6660	1	9	x	Dolomite, light medium brown, micro crystalline, calcareous in part, argillaceous, some calcite crystals, some siltstone and shale as above.	
6660 - 6670		10		Dolomite, as above, some siltstone, traces sandstone as above.	
6670 - 6680		10		Dolomite, as above and siltstone as above in a 50-50 ratio. Siltstone has trace to no apparent porosity and poor to no oil acid reaction.	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 10

DEPTH	FOR.	TI	Gr.	DESCRIPTION	K.B. 1866
6680 - 6690		10		Dolomite, medium dark brown to grey brown, micro to crypto crystalline, skeletal, calcareous in part, argillaceous; some siltstone, as above; some white crystalline anhydrite.	
6690 - 6710		20		Siltstone, medium dark brown to grey brown, quartzitic to friable in part, argillaceous, calcareous, <u>some poor inter granular porosity</u> , traces to no oil acid reaction, traces bitumen, some dolomite as above; some anhydrite.	
6710 - 6720	2	8	x	Siltstone, as above, <u>with some poor - fair inter granular porosity</u> , fair oil acid reaction in part, traces bitumen associated with the porosity in part.	
6720 - 6730		10		Poor Sample - trip - cavings common. siltstone as above, dolomite as above, shales as above.	
6730 - 6760	2	28	x	Dolomite, as above: some siltstone as above except no apparant porosity and no oil acid reaction; some anhydrite; some shales, green grey (possibly cavings). some shale, dark grey, calcareous, firm, chunky, micro micaceous.	
6760 - 6770		10		Lithology, as above except traces siltstone; anhydrite common.	
6770 - 6780		10		Dolomite, as above, some shale, dark grey as above, some anhydrite, white, crystalline.	
6780 - 6790		10		Dolomite, as above; some anhydrite; some shale, green, firm, chunky, very slightly calcareous; traces shale, dark grey as above, becoming sub bituminous in part.	
6790 - 6800		10		Sample as above, except only occassional green shale fragments.	
6800 - 6820		20		Dolomite, light medium brown to green grey, micro to crypto crystalline, skeletal in part, slightly argillaceous, grading into and interbedded with anhydrite, white; traces shale, dark grey as above and shale, green as above.	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 11

DEPTH	FOR.	TI	SL.	DESCRIPTION	K.B. 1866
6820 - 6840		20		Shale, green, firm, chunky, traces disseminated pyrite in part, micro micaceous in part; slightly calcareous, very slightly silty in part; dolomite and anhydrite as above; traces shale, dark grey as above (possible cavings); traces siltstone as above.	
6840 - 6850		10		Dolomite, as above, sandstone, light grey to brown grey, white, green grey, very fine to medium grained, very poor to well sorted in part, sub rounded to sub angular, quartzitic to friable in part, slightly calcareous, grading to siltstone similar to sandstone; both sandstone and siltstone have traces no apparent porosity, with traces to no oil acid reaction, traces bitumen in part; some green shale as above; some dark grey shale as above (possible cavings); some loose very coarse sand grains, clear to frosted, rounded.	
6850 - 6860		10		Sample as above except with some white anhydrite.	
6860 - 6880		20		Dolomite, as above; anhydrite, white to light grey; traces sandstone and siltstone as above; some shale, dark grey as above (possible cavings).	
6880 - 6890		10		Anhydrite, white to light brown; some dolomite, light brown to grey brown, micro to crypto crystalline, anhydritic, grading into and interbedded with anhydrite.	
6890 - 6900		10		Dolomite, as above, some anhydrite.	
6900 - 6910		10		Poor sample - trip - cavings common.	
6910 - 6920		10		Anhydrite as above, some dolomitic as above.	
6920 - 6930		10		Anhydrite; Dolomite as above with <u>traces poor to fair inter crystalline porosity</u> , no apparent oil stain or acid reaction.	
6930 - 6950		20		Anhydrite; some shale, red to brown red, chunky, slightly calcareous, grading into and interbedded with anhydrite, pink; some dolomite as above except no apparent porosity or stain.	

GEOLOGICAL SAMPLE DESCRIPTIONS

SHEET NO. 12

DEPTH	POS.	TI	SR.	DESCRIPTION	K.B.1866
				<u>RED BEDS 6945</u>	<u>LOG 6950 (-5084)</u>
6950 - 6960		10		Dolomite, red brown to brown red, micro crystalline, argillaceous, silty in part, anhydritic grading to anhydrite, massive, red brown; some shale, red to brown red as above.	
6960 - 6980		20		Dolomite, red brown and brown red as above grading to and interbedded with some red shale as above; some anhydrite, white to brown red as above.	
6980 - 7020		40		Shale, brown red, firm, chunky, dolomitic, micro micaceous, slightly silty in part, anhydritic in part grading to and interbedded with some dolomite, brown red as above; traces anhydrite, white to brown red.	
7020 - 7040		20		Sample as above except with some dolomite, light medium brown to brown grey, micro crystalline, slightly argillaceous, slightly anhydritic in part, traces bitumen in part	
7040 - 7050		10		Sample as above except with some quartz diorite? consisting of angular clear to white quartz, biotite, chlorite and muscovite. Some of the igneous rock chips appear to be weathered suggesting erosional and detrital zone.	
				<u>PRE-CAMERIAN 7044</u>	<u>LOG 7045 (-5179)</u>
7050 - 7083 (T.D.)		33		Quartz diorite consisting of fresh angular clear to white quartz, biotite, chlorite and muscovite.	

DRILL STEM TEST SUMMARY

DST #1

3820-3807
Preflow 4 mins.
ISI 45 mins.
Tool open 90 mins.
FSI 180 mins.
GTS 4 mins. Est. gas flow 365 Mcf to 260 Mcf.
IHP 2964
IFP 99
ISIP 2835
FSIP 2485
FFP 84
FHP 2956
Temp. 218 degrees.

DST #2

5909-5884
Preflow 5 mins.
ISI 45 mins.
Tool Open 60 mins.
FSI 120 mins.
GTS 5 mins. Est. gas flow 280 Mcf to 206 Mcf.
Recovered 600 heavy gas cut mud
IHP 3025
IFP 85
ISIP 2895
FSIP 2091
FFP 92
FHP 3001
No temp. taken

DST #3

6600-6630
Preflow 5 mins. Weak air blow increasing
ISI 30 mins.
VO 60 mins.
FSI 90 mins.
Recovered 260' salt water 100,000 PPM salt
IHP 3446
IFP 53
ISIP 2588
FSIP 2579
FFP 175
FHP 3309

DST #4

5810-5940
Preflow 10 mins. Good initial puff GTS in 4 mins.
decreasing to TSTM in 45 mins.
ISI 60 mins.
VO 180 mins.
FSI 340 mins.
Recovered 180' drilling fluid
700' slightly muddy, water
770' sulphorous water
MISRUN
ISIP 2306 FSIP 2424
IFP 518 FFP 758
IHP 3055 FHP 2934

DRILL STEM TESTING & CORING LTD.

EDMONTON, PHONE 433-7293

CALGARY, PHONE 266-2925

P.O. BOX 4188, EDMONTON, ALBERTA

TEST NUMBER

1

Date FEBRUARY 9, 1970.
 Customer ATKINSON PETROLEUMS LTD.,
9th FLR. AQUATINE TOWER,
540 - 5th AVENUE S.W.,
CALGARY 1, ALBERTA.
 Well Name ATKINSON ET AL ISLAND RIVER J-44
 Location 69 03' 31.00 120 23' 10.00
 Area ISLAND RIVER N.W.T.
 Formation SLAVE
 Est. Pay Thick ---
 Ticket No. B-877
 Purchase Order No. ---

Interval 5807' TO 5820'
 Test Duration 319 MINUTES
 Initial Hydrostatic 2984
 Final Hydrostatic 2956
 Initial Flowing 99
 Final Flowing 84 after 90 mins.
 Initial Shut-In 2835 after 45 mins.
 Final Shut-In 2485 after 180 mins.
 Blow GOOD
 Recovery 90'

Mud Type GEL. Size Full Hole 8-3/4" Size Rubber 7-3/4"
 Mud Wt. 9.8 Size Rat Hole --- O.D. Drill Collar 6-1/4"
 Vis 90 Size & Type Pipe 4-1/2" X.H. O.D. Sub or T.J. 6"
 W. L. 6.7 Time Circulated 6 Hrs. Tool Length 48.75'
 pH 9.5 Where Circulated T.D. Rat Hole Length ---
 F. C. 2/32 Bit off Bottom 12.15 A.M. Difference ---
 Condition GOOD Formation SLAVE Total Depth 5820'
 TEST EXTRAS: SAFETY JT. DOUBLE SHUT IN. JARS. PUMP OUT SUB. 1EX PACKER. FAIL SAFE HEAD.

Type of Test DUAL BOTTOM HOLE Wt. to Set Packer 30,000 40,000 To Pull Loose
 Initial Puff GOOD Gas Flow 365 MCF MAX. Size Bean 3/4" Fluid Cushion ---
 Temp. 218° Gravity --- No. Drill Collars 17(42H90) Length 499.06' I.D.'s 2-7/8"

PRESSURES

FLUID RECOVERY

Started In 4:30 A.M. Recorder No. ---
 Tool Open 7:41 A.M. Depth Run ---
 " Closed 7:45 A.M. Hydrostatics ---
 " Open 8:30 A.M. Flow ---
 " Closed 10:00 A.M. Initial S.I.P. ---
 " Loose 1:00 P.M. Final S.I.P. ---
 " Out 4:00 P.M. Difference ---

INSIDE	OUTSIDE
2596	2080
5788'	5815'
2959-2944	2984-2956
85-75	99-84
2833	2835
2482	2485
351	350

Mud 90'
 Oil ---
 Water ---
 Total 90'
 Sampled at NONE

Descriptions of Fluid 90' DRY DRILLING MUD.

Witnessed By: ENG., DRILLER AND CREW.

REMARKS: GOOD INITIAL PUFF. GOOD BLOW WITH GAS TO SURFACE IN 4 MINUTES. GOOD GAS
BLOW DECREASING SLIGHTLY THROUGHOUT FLOW. FINE SPRAY OF MUD AFTER 30 MINUTES AND
REMAINDTILL END OF FLOW PERIOD. GAS MEASURED AT: 365 MCF IN 20 MINS. 340 MCF IN
30 MINS. 324 MCF IN 40 MINS. 280 MCF IN 50, 60, 70, & 80 MINUTES. 260 MCF IN 90 MINS
GAS SAMPLE BOTTLE # 78-A
TEST SATISFACTORY.

B. WEIR.

Testing Supervisor

R.E. G. (SIGNED)

Customer's Representative

D.S.T. # 1 WELL NAME ATKINSON ET AL ISLAND RIVER J-44

DEFINITIONS

P_w = Shut in well pressure, particularly F.S.I.P. psi
 P_f = Flowing well pressure, particularly F.F.P. psi
 P_o = Reservoir pressure from F.S.I.P. or plot psi
 T = Time of test influence on reservoir usually flowing time - minutes
 t = Convenient incremental time - minutes
 Q = Daily rate of flow - mcf/day or bbls./day
 m = Slope of build up curve
 $E.D.R.$ = Estimated damage ratio

μ = Viscosity - centipoise
 k = Permeability - millidarcy
 h = Pay thickness - feet
 Z = Gas deviation factor
 $A.O.F.$ = Absolute open flow - million cubic feet/day
 $P.I.$ = Productivity index - mcf. or bbls./day/psi
 $g.o.$ = Subscript denotes gas or oil
 B = Formation volume factor

BUILD UP PRESSURE						FLOWING PRESSURE							
Rec. = 2596		Rec. = 2080		Pw	t	T+t	Rec. # 2596		Rec. # 2080		Pf	t	Q
Initial	Final	Initial	Final			t	Initial	Final	Initial	Final			
2652		2679			5		70	99		109		10	
2730	1670	2734	1675		10	10.		74		82		20	
2760		2768			15			66		76		30	
2784	1856	2788	1860		20	5.5		68		77		40	
2801		2804			25			69		77		50	
2813	1983	2816	1988		30	4.		78		87		60	
2820		2824			35			87		94		70	
2827	2079	2830	2081		40	3.25		90		97		80	
2833		2835			45			75		84		90	
	2153		2155		50	2.8							
	2211		2213		60	2.5							
	2263		2261		70	2.28							
	2299		2298		80	2.12							
	2330		2329		90	2.							
	2358		2359		100	1.9							
	2380		2381		110	1.818							
	2401		2401		120	1.75							
	2418		2419		130	1.69							
	2434		2434		140	1.64							
	2449		2448		150	1.60							
	2463		2460		160	1.56							
	2475		2472		170	1.52							
	2482		2485		180	1.50							

RESERVOIR PRESSURE FROM F.S.I.P. EXTRAPOLATED = 2676 P.S.I.

m = slope of straight line portion of build up curve

$$m = 5930 \times 10^3$$

$$k h = \frac{162.6 Q \mu B}{m_o} \quad \text{or} \quad \frac{1637 Q g \mu Z \text{ temp} (1637) (280) (.010) (.78) (678)}{m_g \frac{5930 \times 10^3}{7153 \times 10^3}} = 0.40876$$

$$E.D.R. = \frac{P_o - P_f}{m_o (\log T + 1.75)} \quad \text{or} \quad \frac{P_o - P_f}{m_g (\log T + 3.85)} = \frac{7153 \times 10^3}{(5930 \times 10^3) (1.95 + 3.85)} = \text{NIL.}$$

$$\frac{k}{h} = \frac{k h}{h}$$

$$P.I. = \frac{Q_o}{P_o - P_f} \quad \text{or} \quad \frac{Q_g}{P_o - P_f} = \frac{280}{7153 \times 10^3} = 0.0391 \times 10^{-3}$$

ASSUMPTIONS AND LIMITATIONS

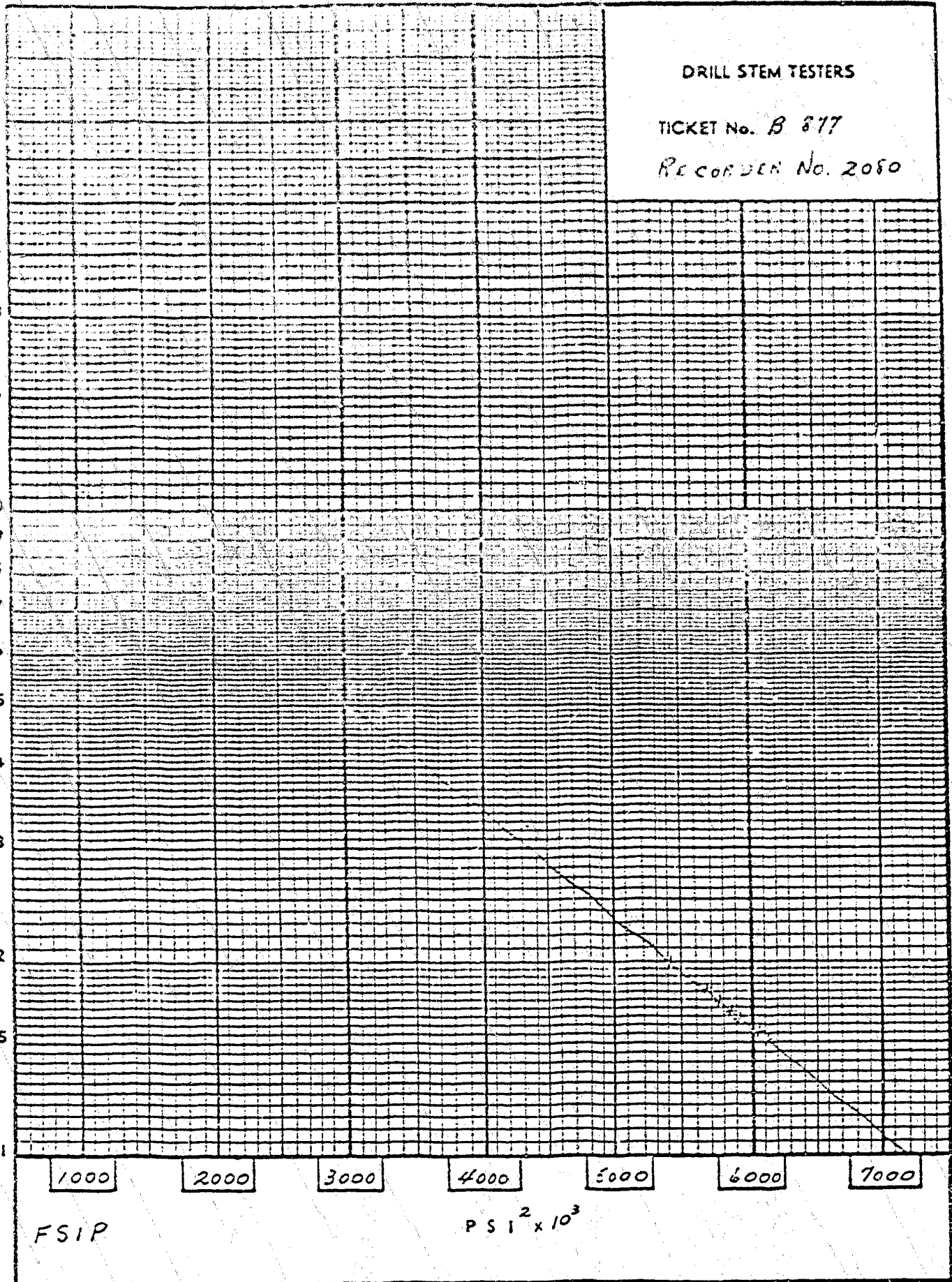
Interpretation calculations require necessary assumptions to provide a quick estimation of many of the factors involved. Consequently, the calculations herein should be used as an estimate only, pending more complete analysis and testing. Drill Stem Testers makes no warranty express or implied as to the accuracy of such calculations, evaluations, or opinions, and shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

DRILL STEM TESTERS

TICKET No. B 877

RECORD No. 2080

7-1-1



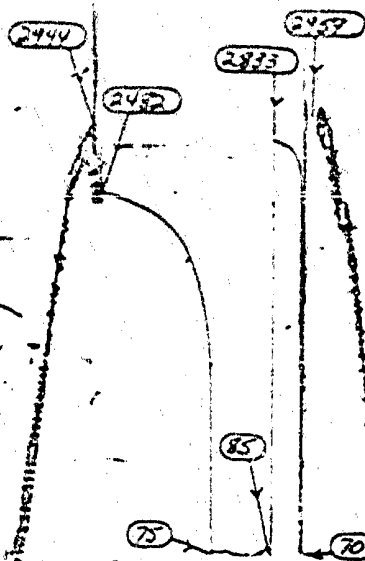
FSIP

PSI² x 10³

ATKINSON ET AL ISLAND RIVER J-44

DST-1 TICKET-B-877

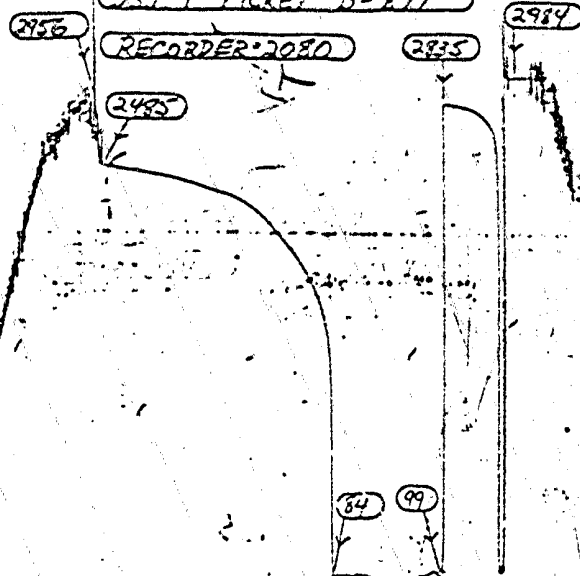
RECORDER-2596



ATKINSON ET AL ISLAND RIVER J-44

DST-1 TICKET-B-877

RECORDER-2080



DRILL STEM TESTING & CORING LTD.

EDMONTON: PHONE 433-7293

CALGARY: PHONE 249-3923

P.O. BOX 4188, EDMONTON, ALBERTA

TEST NUMBER

2

Date FEBRUARY 22, 1970.
 Customer ATKINSON PETROLEUM LTD.,
9th FLR. AQUITAINE TOWER,
540 - 5th AVENUE S.W.,
CALGARY 1, ALBERTA.
 Well Name ATKINSON ET AL ISLAND RIVER J-44
 Location 60 03'31.00 120 23'10.00
 Area ISLAND RIVER, N.W.T.
 Formation SLAVE
 Est. Pay Thick --
 Ticket No. B-878
 Purchase Order No. ---

Interval 5884' TO 5909'
 Test Duration 230 MINUTES MIS-RUN
 Initial Hydrostatic 3025
 Final Hydrostatic 3001
 Initial Flowing ---
 Final Flowing 92 after 60 mins.
 Initial Shut-In 2095 after 45 mins.
 Final Shut-In 2091 after 120 mins.
 Blow FAIR
 Recovery 600'

Mud Type OS2 Size Full Hole 8-3/4" Size Rubber 7-3/4"
 Mud Wt. 9.8 Size Rat Hole --- O.D. Drill Collar 6-1/4"
 Vis. 106 Size & Type Pipe 4-1/2" X.H. O.D. Sub or T.J. 6"
 W. L. 8.0 Time Circulated 3 Hrs. Tool Length 56.20'
 pH 9.5 Where Circulated T.D. Rat Hole Length ---
 F. C. 2/32 Bit off Bottom 11.00 P.M. Difference ---
 Condition TIGHT Formation SLAVE Total Depth 5909'
 TEST EXTRAS: SAFETY JT. DOUBLE SHUT IN. JANG. PUMP OUT SUB. 1EX PACKER. FAIL SAFE HEAD.

Type of Test DUAL BOTTOM HOLE Wt. to Set Packer 30,000 60,000 To Pull Loose
 Initial Puff GOOD Gas Flow 280 MCF MAX. Size 3/4" Fluid Cushion ---
 Temp. --- Gravity --- No. Drill Collars 27(45H90) Length 499.06' I.D.'s 2-7/8"

PRESSURES

FLUID RECOVERY

INSIDE	OUTSIDE	
2596	2080	
5887'	5900'	
3022-2995	3025-3001	
-85	-92	
2895	2895	
2186	2091	

Started In 3.30 A.M. Recorder No. ---
 Tool Open 7.35 A.M. Depth Run ---
 " Closed 7.40 A.M. Hydrostatics ---
 " Open 8.25 A.M. Flow ---
 " Closed 9.25 A.M. Initial S.I.P. ---
 " Loose 11.25 A.M. Final S.I.P. ---
 " Out 3.00 P.M. Difference ---

Mud 600'
 Oil ---
 Water ---
 Total 600'
 Sampled at MIDDLE & TOP OF TOOL.

Description of Fluid 600' HEAVY GAS CUT DRILLING MUD.

Witnessed By: ENG., DRILLER AND CREW.

REMARKS: GOOD INITIAL PUFF GAS TO SURFACE IN 5 MINUTES. FAIR GAS BLOW DECREASING
TO A WEAK BLOW AT END OF FLOW. GAS MEASURED AT 280 MCF IN 15 MINS. 206 MCF IN
30 MINS. HIT A BRIDGE AND TIGHT HOLE AT 5200', TOOL OPENED AND WE LOST APPROX.
1 BARREL MUD. THE LAST STAND WAS ALSO TIGHT AND THE TEST SET 12' HIGH BECAUSE
OF FILL ON BOTTOM. FLOW PLUGGING. TEST MIS-RUN

B. WEIR.

Testing Supervisor

R.E. G. (SIGNED)

Customer's Representative

D.S.T. # 2 WELL NAME ATKINSON ET AL ISLAND RIVER J-44

DEFINITIONS

P_w = Shut in well pressure, particularly F.S.I.P. psi
 P_i = Flowing well pressure, particularly F.F.P. psi
 P_o = Reservoir pressure from F.S.I.P. or plot psi
 T = Time of test influence on reservoir usually flowing time - minutes
 t = Convenient incremental time - minutes
 Q = Daily rate of flow - mcf/day or bbls./day
 m = Slope of build up curve
 $E.D.R.$ = Estimated damage ratio

μ = Viscosity - centipoise
 k = Permeability - millidarcy
 h = Pay thickness - feet
 Z = Gas deviation factor
 $A.O.F.$ = Absolute open flow - million cubic feet/day
 $P.I.$ = Productivity index - mcf. or bbls./day/psi
 $g.o.$ = Subscript denotes gas or oil
 B = Formation volume factor

BUILD UP PRESSURE						FLOWING PRESSURE						
Rec. = 2596		Rec. = 2080		Pw	t	Rec. = 2596		Rec. = 2080		Pi	t	Q
Initial	Final	Initial	Final			Initial	Final	Initial	Final			
		2170			5							
		2116			10							
		2208			15							
		2406			20							
		2485			25							
		2610			30							
		2755			35							
		2880			40							
		2895			45							
					50				121			
					55				120			
					60				96			
					65				92			
		2036			70							
		2043			75							
		2050			80							
		2057			85							
		2063			90							
		—			95							
		—			100							
		2083			105							
		2085			110							
		2089			115							
		2091			120							

READINGS INACCURATE. NO DAMAGE INDICATED

MIS-RUN

m = slope of straight line portion of build up curve

$$k h = \frac{162.6 Q \mu B}{m_o} \quad \text{or} \quad \frac{1637 Q g \mu Z \text{ temp}}{m_g}$$

$$E.D.R. = \frac{P_o - P_i}{m_o (\log T + 1.75)} \quad \text{or} \quad \frac{P_o^2 - P_i^2}{m_g (\log T + 3.85)}$$

$$k = \frac{k h}{h}$$

$$P.I. = \frac{Q_o}{P_o - P_i} \quad \text{or} \quad \frac{Q_g}{P_o^2 - P_i^2}$$

psi
cycle
md ft

NIL

no dimension

md

bbls/day/psi
mcf/day/psi

ASSUMPTIONS AND LIMITATIONS

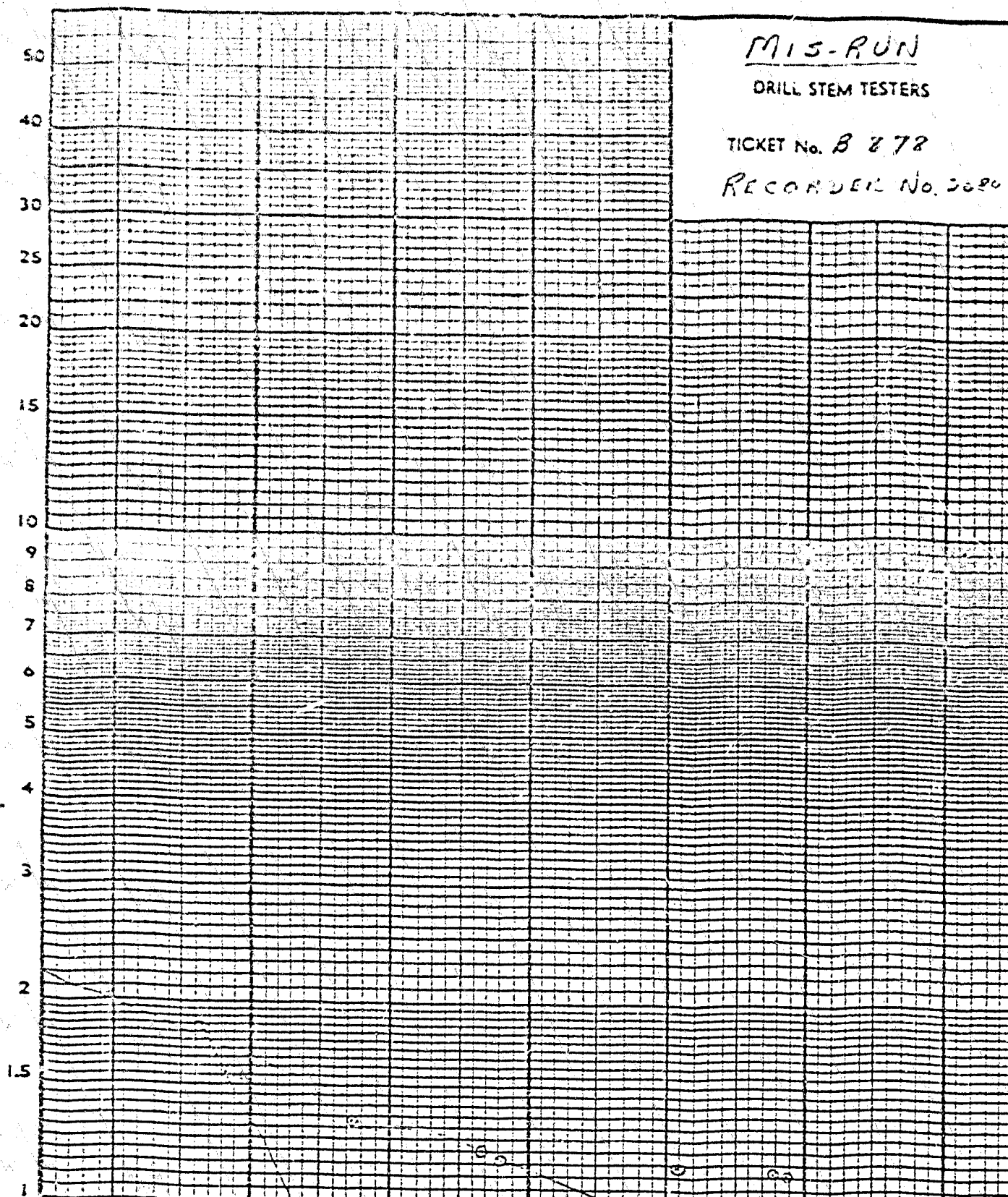
Interpretation calculations require necessary assumptions to provide a quick estimation of many of the factors involved. Consequently, the calculations herein should be used as an estimate only, pending more complete analysis and testing. Drill Stem Testers makes no warranty express or implied as to the accuracy of such calculations, evaluations, or opinions, and shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

MIS-RUN

DRILL STEM TESTERS

TICKET No. B 878

RECORDER No. 3020



FSIP = x
ISIP = 0

PSI ² x 10³

READINGS INACCURATE - MIS-RUN

ATKINSON ET AL ISLAND RIVER JUN

DST-2 TICKET-2-878

RECORDED 2596

MIS-RUN

2095

3022

2995

2176

85

ATKINSON ET AL ISLAND RIVER J-44

DST-2 TICKET-2-878

RECORDED 2080

3001

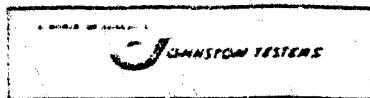
3025

2995

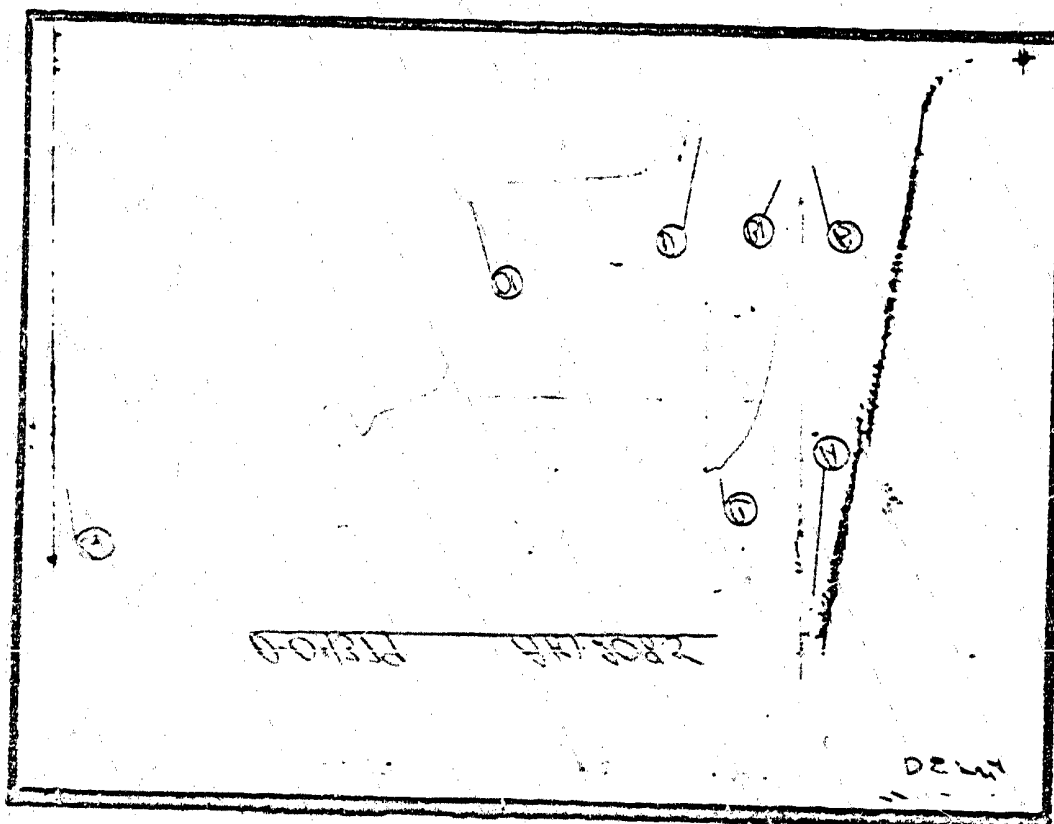
MIS-RUN

2091

92



TEST DATA						TOOL SEQUENCE		
Time	From	To	Pressure	Flow	Remarks	Tool	Length	Notes
0600	0630	7085	F.			P.O. SUB	1.00	
CP & HOLE, SYRADDLE, BYPASS.						D.P. SUB	.50	
1130		1420	Mrs			MFE TOOL	9.10	
5		30	Min			BYPASS TOOL	3.00	
60			Min			JARS	6.95	
		90	Min			H. SUB	.50	
1725		2000	Mrs			SAFETY JOINT	1.75	
30,000		15,000	#			S.S. & PACKER	9.00	7 1/2"
GOOD INITIAL PUFF. STRONG BLOW DECREASING TO FAINT IN ONE HOUR.						T.C. & PACKER	5.25	7 1/2"
						TOTAL	37.05	
FLUID RECOVERY						STUB.	1.50	
Was Test Reverse Controlled. Yes						PERF.	16.00	
Total Fluid Recovered 260						R. SUB	.50	
Description of Fluid Recovered						RECORDER	4.40	
90' DRILLING FLUID						RECORDER	4.40	
170' SALTY WATER.						T.C. & STUB.	3.50	
						TOTAL INTERVAL	30.30	
						PACKER	3.00	7 1/2"
						T.C. & PACKER	5.75	7 1/2"
						RECORDER	4.40	
						PERF.	1.00	
						SUB	1.00	
						DRILL PIPE	435.97	
						SUB	1.00	
						B.N. & PERF.	1.50	
						TOTAL BELOW INTV.	453.62	
GAS BLOW MEASUREMENT								
Measured With						D Riser		
Type of Instrument								
Time	Size, Choke	Reading or Index	M. Cubic Feet Day					
NIL								
REMARKS						TEST SATISFACTORY.		
						MFE SAMPLE DRAINED ON LOCATION.		
						TOTAL LENGTH 520.97		
						Elevation 1856 KB 1852 GL		
						Bottom Hole Choke Size 1/2"		
						Fluid Cushion Type NIL Amt.		
						MUD AND HOLE DATA		
						Mud Type W.L. 7.8		
						Filter Cake 2/32 Visc. 180 Wt. 9.7		
						Time Taken		
						Contractor REGENT DRG. Rig No. 3		
						Drill Pipe Size 4 1/2 XH		
						Drill Collar Size 2 7/8 ID Length 499'		
						Main Hole Size 8 3/4"		
						Rat Hole Size		
RESISTIVITY						CHLORIDE CONTENT		
Recovery Water	Ω	°F.	100,000	ppm.				
Mud Pit sample filtrate	Ω	°F.		ppm.				
District	HIGH LEVEL Ticket No. 0 04378		Date		FEBRUARY 22, 1970		Test No. 3	J.T. No. 1
Company	ATKINSON PETROLEUMS LTD.				Address 640 - 8TH AVENUE S.W.			
Well Name	ATKINSON ET AL ISLAND RIVER J-44				CALGARY 2, ALBERTA			
Number	60° 03'N 120° 23'W				Field	WILDCAT		Province ALBERTA
Formation					Co. Rep.	G. GRABER (CONSULTANT)		
and Interval	6600 - 6630 DST#3 JT#1				Technician	L. STEINBACK		
Distribution of Reports								
7 - CALGARY.								

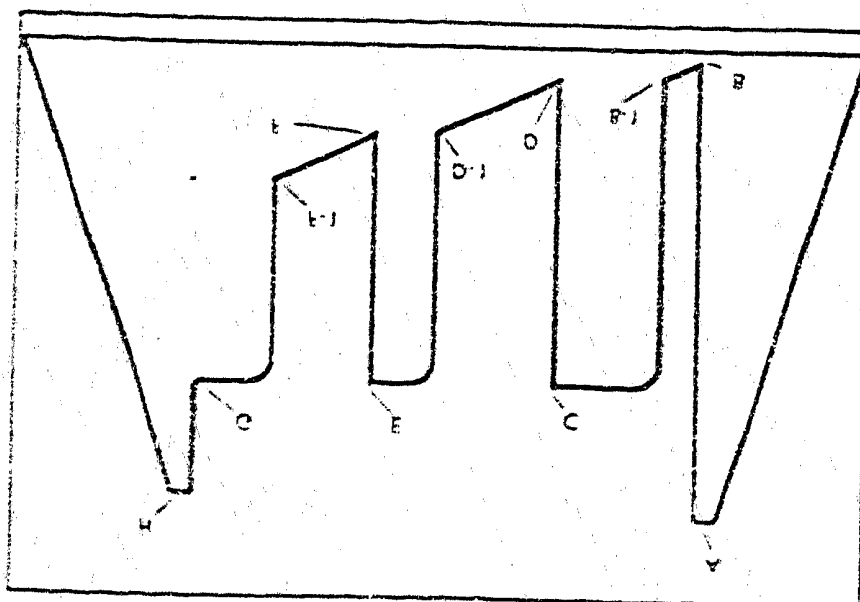
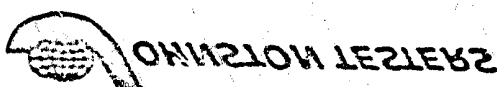


D 04310
RECORD NO
4:17D

YK1-5082
RECORDED NO

4400
CARTAGE

1
RECORD NO
4:17D

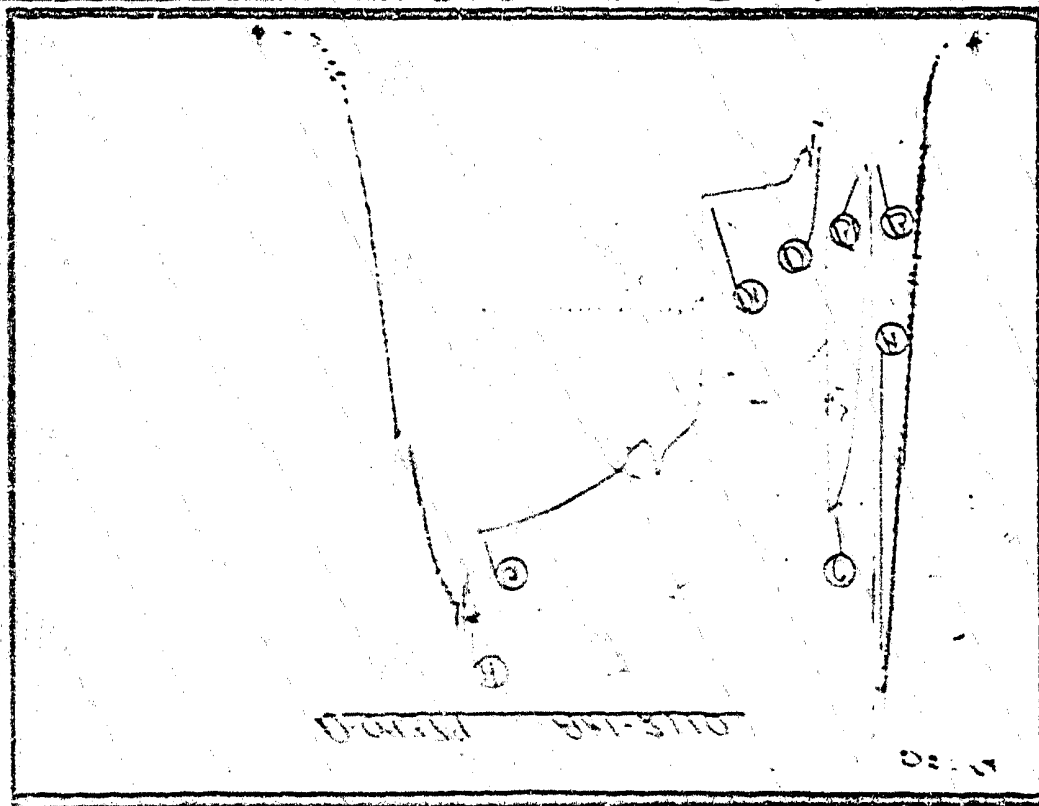
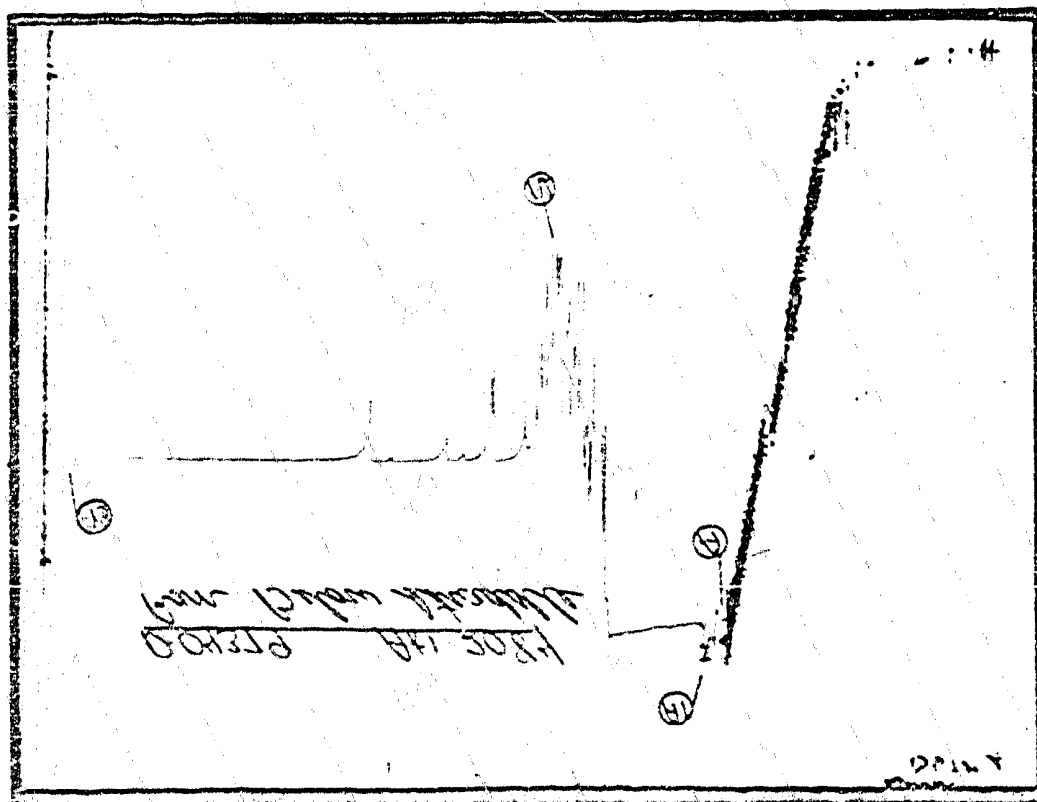


formation pressure
pumping pressure recorded for
Σ - special pressure points such as
H' final hyd. pressure
O' final shut-in
F' F-1, F-2, third flow pressures
E' second shut-in
D-1, D-2, D-3, etc. second flow pressures
C' initial shut-in
B' B-1, initial flow pressures
A-1, A-2, A-3, etc. initial hyd. pressures

Notes:
other bracket settings (testing different
drilling pressures or bottom indicating
The following points are other illustr-

H' final hyd. mud
O' final shut-in
F' third flow
E' second shut-in
D' second flow
C' initial shut-in
B' first flow
A' initial hyd. mud

GUIDE TO IDENTIFICATION OF DRIFT STEW TEST PRESSURE CHARTS



IN REPLY TO
MESSAGE NO 34 REF ENDSINCECO VW ON DATE 20/01/61
SUMMARY OF DAILY DEBRIEFING REPORTS

SUMMARY OF DAILY DRILLING REPORTS

PROGRESS FOR 24 HRS. ENDING ~~12 midnight~~ ON DATE SHOWN.
12 midnight

DATE	DEPTH	OPERATION AND PROGRESS	ROTATING HRS./DAY	REMARKS
Feb. 2	4102'	<u>Progress 222'</u> <u>Drlg.</u>	16	Survey @ 3918' 2 1/8° 3979' 2 4070' 3
3	4340'	<u>Progress 238'</u> <u>Drlg.</u> Bit #4. Cut 298' in 22 3/4 hrs. (Type XV, depth out 4173).	14 1/2	Survey @ 4100' 2 1/8° 4160' 2 4210' 1 1/2 4270' 1
4	4700'	<u>Progress 360'</u> <u>Drlg.</u>	20	Survey @ 4400' 1 1/8° 4496' 3/4
5	4963'	<u>Progress 263'</u> <u>Drlg.</u> Bit #5. Cut 633' in 34 3/4 hrs. (Type XIG, depth out 4806).	15 1/2	Survey @ 4800' 3 1/2° 4880' 3 1/2
6	5380'	<u>Progress 417'</u> <u>Drlg.</u>	18 3/4	Survey @ 4995' 4 0 5060' 3 1/2 5132' 3 1/2 5270' 3 3/4
7	5774'	<u>Progress 594'</u> <u>Trdg.</u> Bit #6. Cut 968' in 45 hrs. (Type XIG, depth out 5774)	18	Survey @ 5370' 3 0 5460' 2 7/8 5560' 2 1/8 5650' 2 1/2
8	5820'	<u>Progress 77'</u> <u>Preparing to Test.</u>	5	Survey @ 5770' 2 1/8° Strap out 5769 Correction 9' - 5778
9	5820'	<u>Progress 0'</u> <u>Running D.S.T. #1</u>	0	D.S.T. #1, 5807-20. (Slave Point)
10	5909'	<u>Progress 89'</u> <u>Trdg.</u> Bit #7. Cut 126' in 16 3/4 hrs. (Type OWV, depth out 5909)	11 3/4	Survey @ 5900' 2 0
11	5920'	<u>Progress 11'</u> <u>Running D.S.T. #2.</u>	1 1/2	D.S.T. #2, 5884-5909 (Slave Point)
12	6094'	<u>Progress 174'</u> <u>Trdg.</u>	23 1/2	
13	6192'	<u>Progress 98'</u> <u>Trdg.</u> Bit #8. Cut 231' in 30 3/4 hrs. (Type OWV, depth out 6140).	14 1/2	Survey @ 6140' 1 0

SUMMARY OF DAILY DRILLING REPORTS

PROGRESS FOR 24 HRS. ENDING 2400 HRS. ON DATE SHOWN.
12 midnight

DATE	DEPTH	OPERATION AND PROGRESS	ROTATING HRS/DAY	REMARKS
Feb. 14	6287'	Progress 105'	Trng.	16 1/2 Survey @ 6229' 10
		Bit #9. Cut 89' in 14 1/2 hrs. (Type OSC16, depth out 6229).		
15	6429'	Progress 132'	Trng.	21 1/2 Survey @ 6429' 3/40
		Bit #20. Cut 200' in 32 hrs. (Type XV, depth out 6429).		
16	6561'	Progress 132'	Drig.	18 3/4
17	6696'	Progress 135'	Drig.	22 1/2
18	6792'	Progress 96'	Drig.	16 1/2 Survey @ 6730' 0
		Bit #11. Cut 304' in 47 hrs. (Type X7, depth out 6733).		
19	6905'	Progress 110'	Drig.	22 1/2
20	7015'	Progress 110'	Drig.	17
		Bit #12. Cut 173' in 34 hrs. (Type WD7, depth out 6906).		
21	7083	Progress 68'	Logging.	9 3/4
		Bit #13. Cut 177' in 26 hrs. (Type WD7, depth out 7083)		
		T.D. 7083 - Drillers. 7085 - Loggers.		
		1) Surface Hole Rotating Hours 2) Main Hole Total Rotating Hours	21 1/2 403 3/4	

WEEK ENDING
FRIDAY MIDNITE February 6/70

101 ENG. Terry McDonough

NSO SEC TWP RGE W

CONTRACTOR Regent #3

BOOK #35 Jack Hibbard

OTHER AND/OR REMARKS

1

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

0. 90' fill

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

File condition good

1. *Chlorophyll a* (Chl *a*)

Hole condition good

8' fill last trip

AMOUNT	APPARENT COST	PER CTD	ACTU
--------	---------------	---------	------

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

36	36	35
----	----	----

9	529	65	
---	-----	----	--

94	681	50
----	-----	----

1 1 1 1

1. The first group of variables is the set of variables that are used to define the population. These variables are: age, sex, race, and education. These variables are used to define the population because they are the most common variables used in demographic studies.

[illegible]

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[illegible][illegible]

DATE

AD WEEK	3704.00	COST
---------	---------	------

1115.40	PROVIN
---------	--------

TO GATE	4819.40	WHERE A
---------	---------	---------

Dr. 2.

ATERIAL

TRAVEL				
--------	--	--	--	--

REASONS ARE SPECIFIED UNDER REMARKS

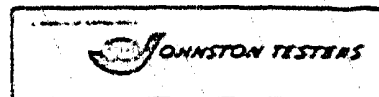
100 SOUTH AVENUE 38 • CALGARY 24 ALBERTA • TEL. 253-1151

4. 2000年12月15日，在“2000年中国城市竞争力”会议上，中国城市竞争力研究会会长、清华大学教授李国涛指出，中国城市竞争力研究会成立三年来，一直致力于中国城市竞争力的研究，并出版了《中国城市竞争力报告》。该报告指出，中国城市竞争力在2000年有所提高，主要表现在以下几个方面：一是城市经济竞争力有所提高，二是城市社会竞争力有所提高，三是城市环境竞争力有所提高，四是城市文化竞争力有所提高。李国涛指出，中国城市竞争力研究会将继续致力于中国城市竞争力的研究，并出版《中国城市竞争力报告》。

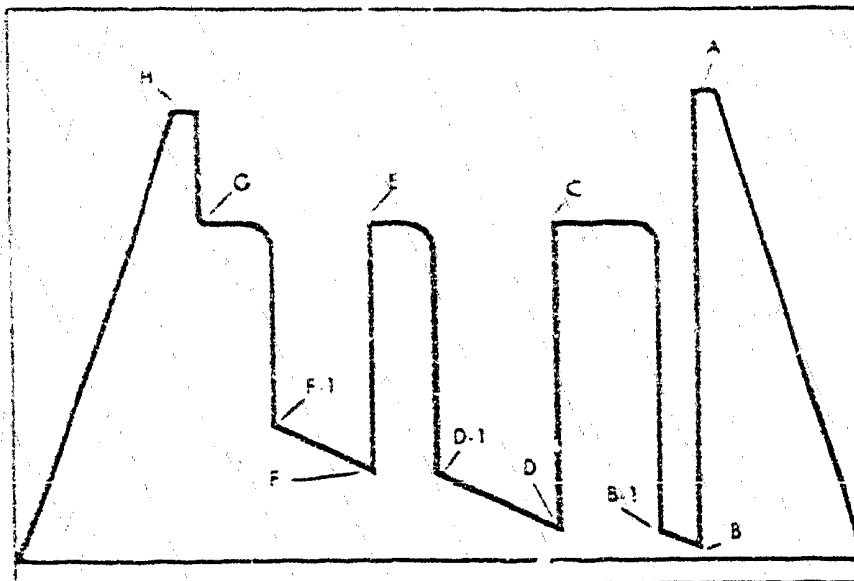
D 04378		PRESSURE DATA		FLUID SAMPLE REPORT	
INSTRUMENT NO.	AK1-2089	AK1-2084	AK1-2110	Sample No.	
CAPACITY, GALL.	4400	4500	4000	Type	5"
INSTRUMENT DEPTH	6618	6622	6639	Depth	6573 ft
INSTRUMENT OPENING	OUTSIDE	OUTSIDE	OUTSIDE	Volume	2500 c.c.
PRESSURE GRADIENT, PSI/FT					
WELL TEMP. °F	246				
INITIAL HYDROSTATIC	A 3439#	3446#	3455#	Sample Pressure:	
FIRST FLOW	B 495#	57#		50	psig. at Surface
	C 545#	56#	A-1 3852#	Gravity	API 61 °F
INITIAL SHUT-IN	C 2591#	2588#		Gas/Oil Ratio	Cu. Ft. bbl.
SECOND FLOW	D 509#	53#			
	D-1 175#	175#	RAN BELOW	Recovery:	
SECOND SHUT-IN	F		STRADOLE	Cu. Ft. Gas	
THIRD FLOW	F			cc. Oil	
	F-1		A-2 3389#	cc. Water	1600
FINAL SHUT-IN	G 2589#	2579#		cc. Mud	
FINAL HYDROSTATIC	H 3501#	3509#	3335#	Total Liquid cc	1600
REMARKS					

PRESSURE INCREMENTS

[illegible]



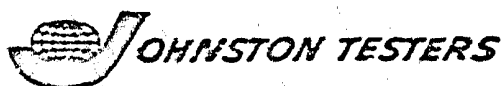
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- 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
- B, B-1, Initial Flow Pressures
- C, Initial Shut-In
- D-1, D-2, D-3, etc. Second Flow Pressures
- E, Second Shut-In
- F, F-1, F-2, Third Flow Pressures
- G, Final Shut-In
- H, Final Hyd. Pressures
- Z — Special pressure points such as pumping pressures recorded for formation breakdown.

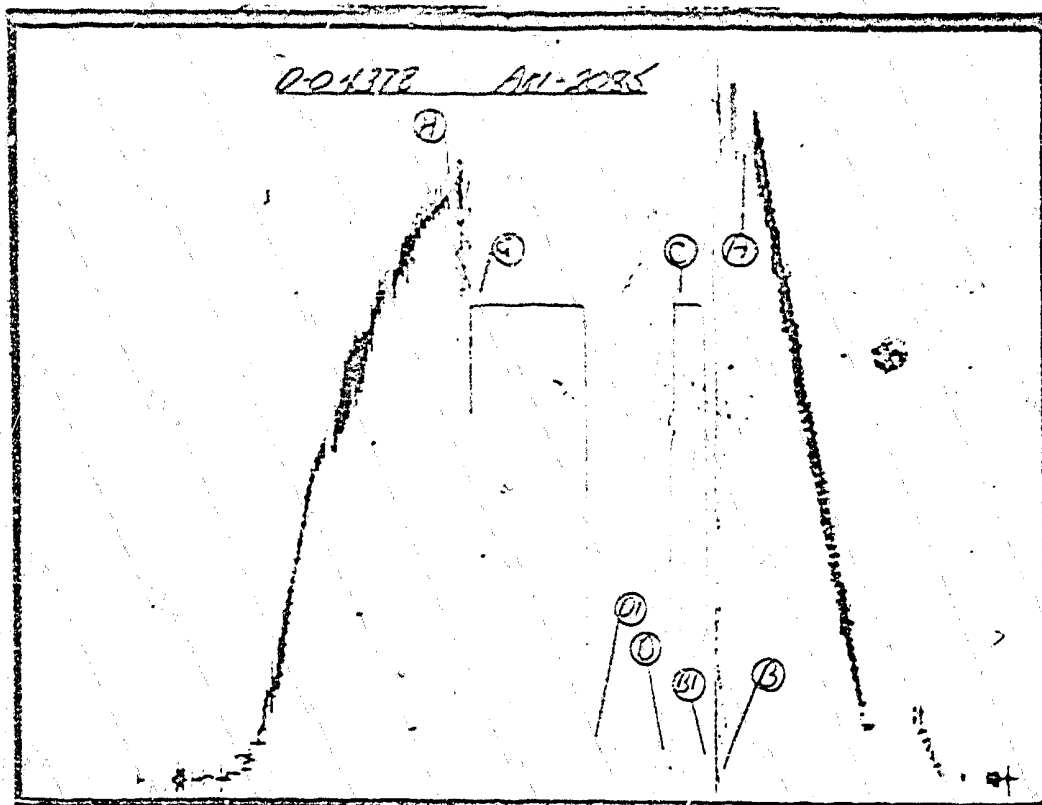


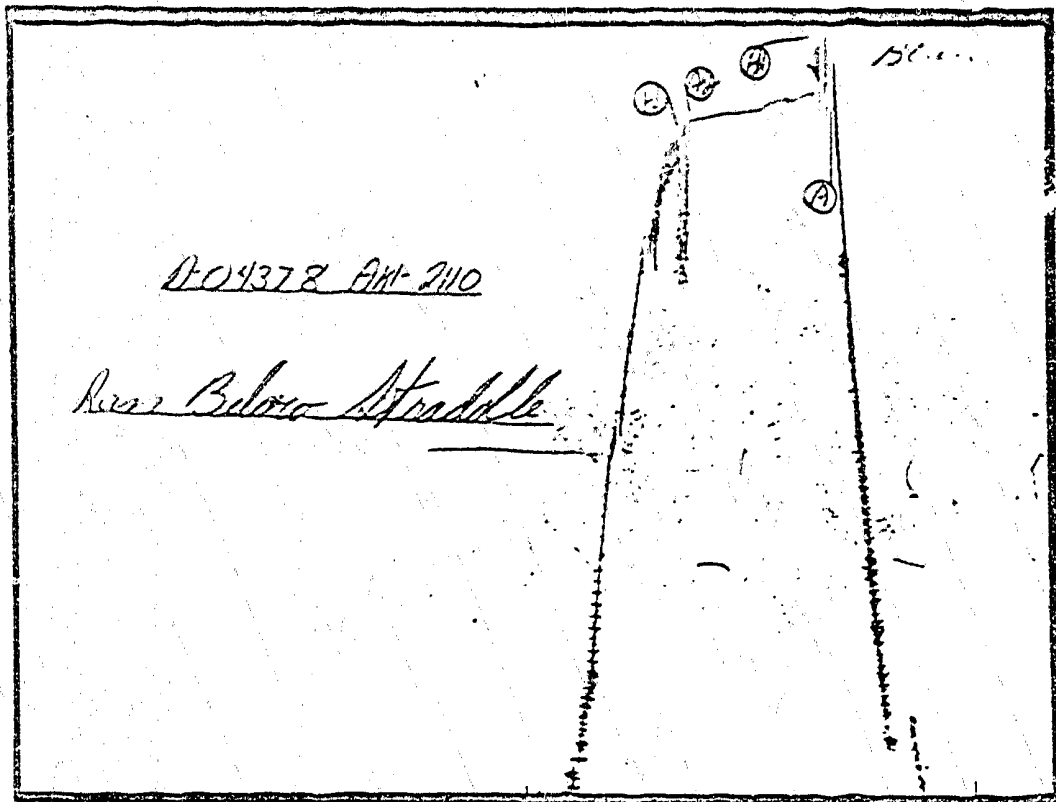
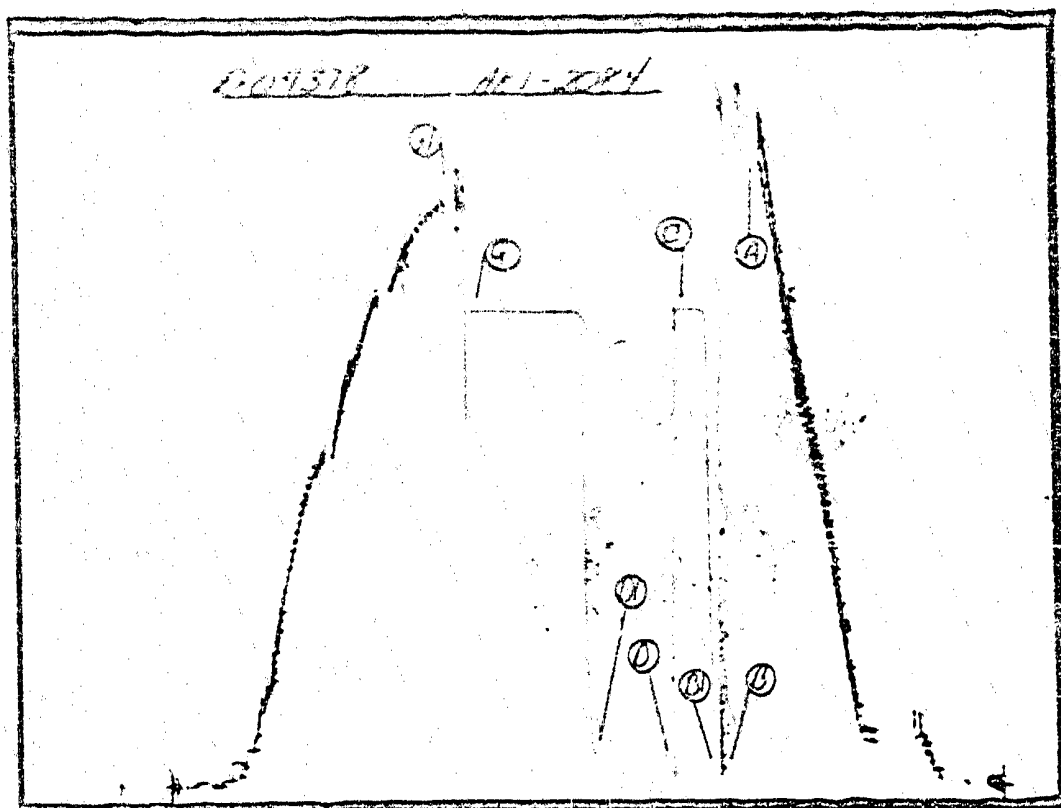
FIELD
REPORT NO.
D 04378

RECORD NO.
AK1-2085

CAPACITY
4400

REPORTS
REQUESTED
7





International Drilling Fluids

WEEK ENDING Feb. 20 /70
FRIDAY MIDNITE

LOG ENG. Al Tripp

USD SEC TWP W

CONTRACTOR Regent #3

TOOL PUSH Jack Hibbard

WELL NAME TKINSON ETAL ISLAND RIVER 3-44

INTERVAL 6200 TO 7000 SYSTEM Gel-Chem - Barytes

SPECIAL IN. 23/70 CONVL.

WEEKLY SUMMARY

DATE	DAY NO	DEPTH	WT	HT	IN	TT	CHL O ₂	CL	CA	IN	CHL O ₂	CL	OTHER AND OR REMARKS
Feb. 14		6243	9.7	115	62	58	5/11	6.0	40	10.5	6.5		Hole condition good 30' fill last trip
Feb. 15		6407	9.7	124	64	56	6/10	5.4	40	10.5	6.5		
Feb. 16													
Feb. 17		6638	9.9	140	60	60	10/30	6.5		10.0	6.0		Hole condition good
													Circ. to test
Feb. 18		6733	9.9	150	70	60	12/35	6.0	--	10.5	6.0		Hole condition good
													Tripping @ 10:30 am
Feb. 19		6780	9.8	140	52	48	6/20	6.2	200	9.5	6.		3' fill on trip
													9:00 pm
Feb. 20		6940	9.8	170	70	60	15/35	6.4	300	9.0	7.0		

Anhydrite contamination

DATE	Q HAND	AMOUNT DELIVERED	14	15	16	17	18	19	20	AMOUNT USED	APPARENT COST	SECOND INV.	ACTUAL INV.	INV. DIFF.
GEL			68	46				28	16	226	983.10			
CAUSTIC			4	4	4		1	2	9	33	356.40			
CMC			2						1	3	176.55			
CYBAN			2	1	1	2			1	7	357.00			
BARYTES			37						77	114	544.92			
PELTEX			2		6	21	8	8	25	70	867.50			
SODA ASH							10	15	10	40	494.00			

FOOTAGE FOR WEEK 800
COST/FT/WEEK 4.72
COST/FT/TOTAL 1.80

TOTAL DAYS 30
COST/DAY/WEEK 539.92
COST/DAY/TOTAL 420.14

TOTAL/WEEK 3779.47
FORWARD 8824.23
COST TO DATE 12,604.20

DIFF. COST

PROVINCIAL TAX WHERE APPLICABLE

REMARKS

TOTAL MUD MATERIAL

DRAYAGE

WEEK ENDING
FRIDAY MIDNITE Feb. 27/70

WELL NAME - ATKINSON ETAL ISLAND RIVER 1-44

100 mg. Jack Thompson

DEPT: ~~SECRET~~ 7000 12 7100

SD _____ SEC _____ TWP _____ R _____ W _____

an. 23/70 COMB Feb. 23/70

CONTRACTOR Regent #3

100. 434 Jack Hibbard

[illegible][illegible][illegible]

FOOTAGE FOR WEEK	100	TOTAL DAYS	33	TOTAL WEEK	1359.86	DIFF. COST	
COST/FT/WEEK	13.59	COST/DAY/WEEK	194.26	FORWARD	12,604.20	PROVINCIAL TAX WHERE APPLICABLE	
COST/FT/TOTAL	2.01	COST/DAY/TOTAL	433.59	COST TO DATE	13,964.06		
REMARKS				→ DIFF.	344.44		
				TOTAL MUD MATERIAL	14,308.50		
				DRAYAGE	7,049.00		

ANY AMOUNTS SHOWN IN DIFFERENCE COLUMN SHOULD BE MADE UP IN FOUR SHEETS UNLESS REASONS ARE SPECIFIED UNDER REMARKS)

CEMENT PILED

PLUG #1

6675-6510 70 sax
Felt top at 6513

PLUG #2

5800-5700 60 sax
Felt top at 5689

PLUG #3

775-675 60 sax
Felt top at 670

PLUG #4

Cut off casing bowl
5 sax in top of casing
Weld on plate and install sign
"A.P.L. ISLAND RIVER J44"

LOG TABLE

Induction Electrical Log	743-7083
Porosity Lith Log JNP-PLC	5550 - 7083
Borehole Compensated Sonic Log	723-7083
Formation Density Log	5550-7083
Sidewall Neutron Porosity Log	5550-7083

Logged February 21, 1970 with Schlumberger of Canada

ANALYSIS

Lab. No. E70-446 Gas 5807 - 5820 Source: DST #1

Lab. No. E70-447 Gas 5884 - 5909 Source: DST #2

Lab. No. E70-448 Gas 5810 - 5910 Source: DST #4

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT:

Lab. No. 70-1146Received: March 2, 1970Reported: March 5, 1970Well: Atkinson et Al Island River J-44Operator: ATKINSON PETROLEUMS LTD.Field or Area: _____ Location: 60-10N 120-15W Elev.: K.B. Grd.: _____Zone and Formation: Slave Sample Interval: _____

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

Sampled from: _____ Sampled by: _____ Date: Feb. 9, 1970

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

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

Pressure: Reservoir _____ Tubing _____ Casing _____ Separator _____

OTHER PERTINENT DATA D.S.T. 11

(Signed)

COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY
Helium	<u>.02</u>		pentanes + <u>.000</u>	Calculated <u>.615</u>
Hydrogen sulfide	<u>.00</u>		or 12 lbs. <u>.000</u>	by Weight <u>.612</u>
Carbon dioxide	<u>5.05</u>		or 15 lbs. <u>.000</u>	CRITICALS (Calculated)
Nitrogen	<u>.75</u>		or 22 lbs. <u>.000</u>	Pc <u>692.4</u>
Methane	<u>92.31</u>		or 26 lbs. <u>.000</u>	Tc <u>357.2</u>
Ethane	<u>1.80</u>		VAPOR PRESSURE (Calc.) @ 100°F. Pentanes + <u>.00</u>	
Propane	<u>.05</u>	<u>.011</u>	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a. <u>0</u>	
Isobutane	<u>.01</u>	<u>.003</u>	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry) <u>963.0</u>	
N-butane	<u>.01</u>	<u>.003</u>	Acid Gas Free <u>1014.2</u> (tot.) <u>946.1</u>	
Isopentane	<u>.00</u>	<u>.000</u>	DEW POINT (Calc.) p.s.i. 930 1050 1200	
N-pentane	<u>.00</u>	<u>.000</u>	FAH <u>-56</u> <u>-56</u> <u>-56</u>	
Hexanes	<u>.00</u>	<u>.000</u>	Mol. Wt. Total Gas <u>17.817</u> Heptanes + <u>.000</u>	
Heptanes	<u>.00</u>	<u>.000</u>	Sample was received for analysis with 87 psig. pressure at 70°F.	
Octanes	<u>.00</u>	<u>.000</u>		
Nonanes	<u>.00</u>	<u>.000</u>		
Decanes +	<u>.00</u>	<u>.000</u>		
TOTAL	<u>100.00</u>	<u>.017</u>		

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No. 70-147 Received: March 2, 1970 Reported: March 5, 1970

Well: Atkinson et al Island River J-44 Operator: ATKINSON PETROLEUMS LTD.

Field or Area: _____ Location: 60-10N 120-15W Elev.: K.B. Grd.: _____

Zone and Formation: Slave Sample Interval: _____

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

Sampled from: flare line Sampled by: _____ Date: Feb. 11, 1970

Pressure: (a) at point of sampling 50 psig (b) Gas Comb pressure _____ psig

Temperature: (a) at point of sampling 70 °F (b) Separator _____ °F

Pressures: Reservoir _____ Tubing _____ Casing _____ Separator _____

OTHER PERTINENT DATA D.S.T. #2.

(Signed)

COMPOSITION	% by Volume	G.P.M. in Imp. Gal @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY
Helium	<u>.01</u>		pentanes + <u>.000</u>	Calculated. <u>.616</u>
Hydrogen sulfide	<u>.00</u>		at 12 lbs. <u>.000</u>	by Weight <u>.620</u>
Carbon dioxide	<u>3.72</u>		at 15 lbs. <u>.000</u>	CRITICALS (Calculated)
Nitrogen	<u>4.47</u>		at 22 lbs. <u>.000</u>	Pc <u>680.2</u>
Methane	<u>90.26</u>		at 26 lbs. <u>.000</u>	Tc <u>349.6</u>
Ethane	<u>1.48</u>		VAPOR PRESSURE (Calc.) @ 100°F. Pentanes + <u>.00</u>	
Propane	<u>.04</u>	<u>.009</u>	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a. <u>0</u>	
Isobutane	<u>.01</u>	<u>.003</u>	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry) <u>936.4</u>	
N-butane	<u>.01</u>	<u>.003</u>	Acid Gas Free <u>972.6</u> (sat.) <u>920.0</u>	
Isopentane	<u>.00</u>	<u>.000</u>	DEW POINT (Calc.) p.s.i. 950 1050 1200	
N-pentane	<u>.00</u>	<u>.000</u>	FAH <u>-56</u> <u>-56</u> <u>-56</u>	
Hexanes	<u>.00</u>	<u>.000</u>	Mol. Wt. Total Gas <u>17.814</u> n-Heptanes + <u>.000</u>	
Heptanes	<u>.00</u>	<u>.000</u>	Sample was received for analysis with 40 psig. pressure at 70°F.	
Octanes	<u>.00</u>	<u>.000</u>		
Nonanes	<u>.00</u>	<u>.000</u>		
Decanes +	<u>.00</u>	<u>.000</u>		
TOTAL	<u>100.00</u>	<u>.015</u>		

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No. 70-1116 Received: March 2, 1970 Reported: March 5, 1970Atkinson et al Island River J-44 Operator: ATKINSON PETROLEUMS LTD.Field or Area: _____ Location: 60-10N; 120-15W Elev.: K.B. Grd.: _____

Zone and Formations: _____ Sample Interval: _____

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

Sampled from: flare line Sampled by: _____ Date: Feb. 23, 1970Pressure: (a) at point of sampling 15 psig (b) Gas Barib pressure _____ psig

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

Pressure: Reservoir _____ Tubing _____ Casing _____ Separator _____

OTHER PERTINENT DATA D.S.T. #4. Container #LC-57.

(Signed)

COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY
Helium	<u>.03</u>		pentanes + <u>.000</u>	Calculated <u>.608</u>
Hydrogen sulfide	<u>.00</u>		at 12 lbs. <u>.000</u>	by Weight <u>.608</u>
Carbon dioxide	<u>4.10</u>		at 15 lbs. <u>.000</u>	CRITICALS (Calculated)
Nitrogen	<u>1.56</u>		at 22 lbs. <u>.000</u>	Pc <u>687.0</u>
Methane	<u>92.72</u>		at 26 lbs. <u>.000</u>	Tc <u>353.6</u>
Ethane	<u>1.53</u>		VAPOUR PRESSURE (Calc.) @ 100°F. Pentanes + <u>.00</u>	
Propane	<u>.05</u>	<u>.011</u>	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a. <u>0</u>	
Isobutane	<u>.01</u>	<u>.003</u>	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry) <u>962.1</u>	
N-butane	<u>.00</u>	<u>.000</u>	Acid Gas Free <u>1003.2</u> (sat.) <u>945.2</u>	
Isopentane	<u>.00</u>	<u>.000</u>	DEW POINT (Calc.) p.s.i. 950 1050 1200	
N-pentane	<u>.00</u>	<u>.000</u>	FAH <u>-56</u> <u>-56</u> <u>-56</u>	
Hexanes	<u>.00</u>	<u>.000</u>	Mol. Wt. Total Gas <u>17.605</u> Heptanes + <u>.000</u>	
Heptanes	<u>.00</u>	<u>.000</u>	Sample was received for analysis with 24 psig. pressure at 70°F.	
Octanes	<u>.00</u>	<u>.000</u>		
Nonanes	<u>.00</u>	<u>.000</u>		
Decanes +	<u>.00</u>	<u>.000</u>		
TOTAL	<u>100.00</u>	<u>.014</u>		

DATA

ATKINSON ET AL ISLAND RIVER
J-44

ATKINSON ET AL ISLAND RIVER J-44

D.A. 399

- Tour Reports

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>FEB. 26 / 76</u>		WELL NAME <u>ATKINSOW ET-AL-ESGAND</u>		REPORT NO. _____	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>THREE</u>	
NO. 1							LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____	
NO. 2							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
DRILLER <u>A. PEARSON</u>	9		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.
DERRICK <u>B. WARD</u>	9		STANDS	FT.				
FLOOR <u>B. DAY</u>	8		SINGLES	FT.				
FLOOR <u>H. METKE</u>	8		D.C.'S	FT.				
FLOOR <u>E. BROTZEL</u>	9		SUB	FT.	MUD	12 MID.	2 A.M.	4 A.M.
FIREMAN			SUB	FT.	WEIGHT			
MECHANIC			BIT OR C.B.	FT.	VISCOSITY			
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
DRILLER <u>W. SMITH</u>	9		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.
DERRICK <u>H. THOMAS</u>	9		STANDS	FT.				
FLOOR <u>W. EWACH</u>	9		SINGLES	FT.				
FLOOR <u>D. HALLIBISH</u>	9		D.C.'S	FT.				
FLOOR <u>A. DAY</u>	9		SUB	FT.	MUD	8 A.M.	10 A.M.	12 NOON
FIREMAN			SUB	FT.	WEIGHT			
MECHANIC			BIT OR C.B.	FT.	VISCOSITY			
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
DRILLER <u>J. ELLIOTT</u>	9		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.
DERRICK <u>P. BAREAU</u>	9		STANDS	FT.				
FLOOR <u>N. SKWCHOK</u>	9		SINGLES	FT.				
FLOOR <u>S. LUKEY</u>	9		D.C.'S	FT.				
FLOOR <u>B. BURGESS</u>	9		SUB	FT.	MUD	4 P.M.	6 P.M.	8 P.M.
FIREMAN			SUB	FT.	WEIGHT			
MECHANIC			BIT OR C.B.	FT.	VISCOSITY			
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	
DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>X.H.</u>	TOTAL NO. OF JOINTS <u>241</u>	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED <u>30466</u>	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED <u>WORK</u>	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.	TOOLPUSHER <u>J. H. BAREAU</u>			
					APPROVED BY _____			

DAY WORK RECORD

DATE Feb 25-70 REPORT NO. 34

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

PUMPS										WELL NAME										DATE										REPORT NO.									
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE		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.		REMARKS		TIME													
NO. 1		D-500		16"		95%		724		FEB 25-70		3		60-101W-120-12W																									
NO. 2		214-P		14"																																			
TOUR NO. 1 MIDNIGHT TO 8 A.M.		HOURS																																					
DRILLER		A. L. Lamm		8																																			
DERRICK		B. Wood		8																																			
FLOOR		L. Day		8																																			
FLOOR		H. Mithel		8																																			
FLOOR		C. Ratzel		8																																			
FIREMAN																																							
MECHANIC																																							
INJURIES																																							
TOUR NO. 2 8 A.M. TO 4 P.M.		HOURS																																					
DRILLER		W. Smith		9																																			
DERRICK		H. Thomas		9																																			
FLOOR		W. Ewack		9																																			
FLOOR		J. Halakisky		9																																			
FLOOR		A. Day		9																																			
FIREMAN																																							
MECHANIC																																							
INJURIES																																							
TOUR NO. 3 4 P.M. TO MIDNIGHT		HOURS																																					
DRILLER		P. Conell		9																																			
DERRICK		N. Schuchel		9																																			
FLOOR		S. Lucky		9																																			
FLOOR		B. Burger		9																																			
FIREMAN																																							
MECHANIC																																							
INJURIES																																							
DRILL PIPE SIZE		4 1/2		TYPE		XH		TOTAL NO. OF JOINTS		271		DATE LAST SONOSCOPED				FOOTAGE DRILLED SINCE LAST SONOSCOPED		22,466		TOTAL FOOTAGE DRILLED		22,466		LAST CALIPER DATE															
B.O.P.'S TESTED				ELAPSED TIME				PRESSURE				RESULTS				TOTCO RING ON BIT NO.				TOOLPUSHER		J. H. Lamm		APPROVED BY		J. H. Lamm													

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 24-70</u>		WELL NAME <u>athinson stat island river</u>		DATE <u>Feb 24-70</u>		REPORT NO. <u>33</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>Emaco</u>	<u>D300</u>	<u>12"</u>	<u>9 5/8</u>		<u>724</u>					
NO. 2 <u>Emaco</u>	<u>21412</u>	<u>14"</u>								
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS							
DRILLER	<u>A. Pearson</u>	<u>8</u>								
DERRICK	<u>B. Wood</u>	<u>8</u>								
FLOOR	<u>D. Day</u>	<u>8</u>								
FLOOR	<u>H. Miller</u>	<u>8</u>								
FLOOR	<u>E. Bridgel</u>	<u>8</u>								
FIREMAN										
MECHANIC										
INJURIES										
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS							
DRILLER	<u>W. Smith</u>	<u>12</u>								
DERRICK	<u>H. Thomas</u>	<u>8</u>								
FLOOR	<u>W. Curach</u>	<u>8</u>								
FLOOR	<u>D. Valabisky</u>	<u>8</u>								
FLOOR	<u>A. Day</u>	<u>8</u>								
FIREMAN										
MECHANIC										
INJURIES										
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS							
DRILLER	<u>A. Pearson</u>	<u>4</u>								
DERRICK	<u>P. Connell</u>	<u>8</u>								
FLOOR	<u>N. Schwabach</u>	<u>8</u>								
FLOOR	<u>B. Sackey</u>	<u>8</u>								
FLOOR	<u>B. Baggan</u>	<u>8</u>								
FIREMAN										
MECHANIC										
INJURIES										

TOOLPUSHER J. Wilson
 APPROVED BY W. Gordon

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE	REPORT NO.
NO. 1			Emerson		D500	16"	9 5/8		7 1/2		Feb 23-70	Atkinson sub island river		Feb 23-70	32
NO. 2			Emerson		2148	14"	9 5/8		7 1/2			60-10 N - 120-15 W			
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS												
DRILLER			A. Pearson												
DERRICK			B. Ward												
FLOOR			B. Day												
FLOOR			H. Mitche												
FLOOR			F. Bratzel												
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			7083.00												
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS												
DRILLER			W. Smith												
DERRICK			H. Thomas												
FLOOR			W. Eversch												
FLOOR			D. Haldenby												
FLOOR			A. Day												
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			7083.00												
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS												
DRILLER			A. Pearson												
DERRICK			P. Comeau												
FLOOR			N. Schwick												
FLOOR			S. L. H. H. H.												
FLOOR			B. Burgess												
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			7083.00												
DRILL PIPE SIZE			4 1/2"												
B.O.P.'S TESTED			Close												
ELAPSED TIME			open												
PRESSURE			nil												
RESULTS			O.K.												
TOTCO RING ON BIT NO.															
TOOLPUSHER			J. Hildner												
APPROVED BY			K. H. H. H.												

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 22-70</u>		WELL NAME <u>athinson stat island River</u>		DATE <u>Feb 22-70</u>		REPORT NO. <u>31</u>												
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE	LAST CASING SET AT	RIG NO. <u>3</u>	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.											
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	START	STOP	INT VAL
DRILLER	<u>A. Pearson</u>	<u>8</u>			<u>7083</u>			<u>6-6 3/4</u>	<u>2000</u>		<u>8</u>	<u>35609</u>	<u>46</u>	<u>35724</u>	<u>368</u>	<u>Feb 18</u>		<u>Logging</u>	<u>12:00</u>	<u>9:00</u>	<u>8</u>
DERRICK	<u>B. Ward</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>		STANDS		FT.															
FLOOR	<u>H. Miller</u>	<u>8</u>		SINGLES		FT.															
FLOOR	<u>E. Bratgel</u>	<u>8</u>		D.C.'S		FT.															
FIREMAN				SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
MECHANIC				SUB		FT.	WEIGHT								Fuel Top 40"						
INJURIES				BIT OR C.B.		FT.	VISCOSITY								Discontinuation Electrical surface to T.D.						
						FT.	PUMP PRESSURE								B.B.H.C. series gamma ray caliper surface to T.D.						
				KELLY IN		FT.	R.P.M. PUMP NO. 1								B Density 200' above slave to T.D.						
						FT.	R.P.M. PUMP NO. 2								B Sidewall neutron 200' above slave to T.D.						
				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	START	STOP	INT VAL
DRILLER	<u>W. Smith</u>	<u>12 1/2</u>			<u>7083</u>			<u>6-6 3/4</u>	<u>50,000</u>		<u>8</u>	<u>35609</u>	<u>46</u>	<u>35724</u>	<u>368</u>	<u>Feb 18</u>		<u>Logging</u>	<u>8:00</u>	<u>10:00</u>	<u>2</u>
DERRICK	<u>H. Thomas</u>	<u>12 1/2</u>	69	STANDS		FT.												<u>Run in 5 S.D.S. + Pick up testing</u>	<u>10:00</u>	<u>12:00</u>	<u>2</u>
FLOOR	<u>W. Enoch</u>	<u>12 1/2</u>		SINGLES		FT.												<u>tool + made up same</u>			
FLOOR	<u>D. Halabisky</u>	<u>12 1/2</u>	20	D.C.'S		FT.												<u>Run in Slave with Test #3</u>	<u>12:00</u>	<u>2:15</u>	<u>2 1/4</u>
FLOOR	<u>A. Day</u>	<u>12 1/2</u>	1	SUB		FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
FIREMAN			1	SUB		FT.	WEIGHT														
MECHANIC				BIT OR C.B.		FT.	VISCOSITY								TESTING						
INJURIES						FT.	PUMP PRESSURE														
				KELLY IN		FT.	R.P.M. PUMP NO. 1														
						FT.	R.P.M. PUMP NO. 2														
				TOTAL		FT.	PUMP NO. 1 LINER SIZE	<u>5 1/2"</u>	PUMP NO. 2 LINER SIZE	<u>5 1/2"</u>											
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	START	STOP	INT VAL
DRILLER	<u>A. Pearson</u>	<u>4</u>			<u>7083</u>			<u>6-6 3/4</u>	<u>50,000</u>		<u>1</u>	<u>35856</u>	<u>46</u>	<u>35930</u>	<u>322</u>	<u>Feb 22</u>		<u>Logging</u>	<u>4:00</u>	<u>5:30</u>	<u>1 1/2</u>
DERRICK	<u>B. Ward</u>	<u>4</u>		STANDS		FT.												<u>Pull out with test</u>	<u>5:30</u>	<u>9:00</u>	<u>3 1/2</u>
FLOOR	<u>B. Day</u>	<u>4</u>		SINGLES		FT.												<u>lay down testing tools</u>	<u>9:00</u>	<u>10:00</u>	<u>1</u>
FLOOR	<u>H. Miller</u>	<u>4</u>	20	D.C.'S		FT.												<u>slip + cut line</u>	<u>10:00</u>	<u>11:00</u>	<u>1</u>
FLOOR	<u>E. Bratgel</u>	<u>4</u>	1	SUB		FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
FIREMAN			1	SUB		FT.	WEIGHT								MARVIN ROMANRO SHPS.						
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		FT.	PUMP NO. 1 LINER SIZE	<u>5 1/2"</u>	PUMP NO. 2 LINER SIZE	<u>5 1/2"</u>											
DRILL PIPE SIZE	<u>4 1/2"</u>	TYPE	<u>XH</u>	TOTAL NO. OF JOINTS	<u>241</u>	DATE LAST SONOSCOPED		FOOTAGE DRILLED SINCE LAST SONOSCOPED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS		CODE LETTER OF STRING		TOOLPUSHER	<u>J. Hillbert</u>		
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE		RESULTS		TOT CO RING ON BIT NO.										APPROVED BY	<u>John Miller</u>		

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 21-70</u>		WELL NAME <u>Atkinson Island River</u>		DATE <u>Feb 21-70</u>		REPORT NO. <u>30</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>Emaco</u>	<u>17500</u>	<u>16"</u>										
NO. 2 <u>Emaco</u>	<u>214P</u>	<u>14"</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.			7015	56	7071	7 3/4	14000	6-6 3/4	50000	8		
DRILLER <u>A. Pearson</u>	8										REMARKS <u>Drill</u>	TIME START <u>12:00</u> STOP <u>2:45</u> INT VAL <u>2 3/4</u>
DERRICK <u>B. Ward</u>	8		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT		
FLOOR <u>B. Day</u>	8		69	STANDS		13	8 3/4	1-13	15695	407		
FLOOR <u>H. Milke</u>	8		20	D.C.'S								
FLOOR <u>E. Bratzel</u>	8		1	SUB XO	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.		
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT	9.7	9.7	9.8		
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	180	110			
INJURIES												
TOTAL			7071.00	FT.								
TOUR NO. 2 8 A.M. TO 4 P.M.			7071	12	7083	13 1/4	14000	6-6 3/4	50000	8		
DRILLER <u>W. Smith</u>	12										REMARKS <u>Drill</u>	TIME START <u>8:00</u> STOP <u>9:45</u> INT VAL <u>1 3/4</u>
DERRICK <u>H. Thomas</u>	12		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT		
FLOOR <u>W. Evers</u>	12		69	STANDS		13	8 3/4	1-13	15695	407		
FLOOR <u>D. Halabisky</u>	12		20	D.C.'S								
FLOOR <u>A. Day</u>	12		1	SUB XO	3.4	FT.	MUD	8 A.M.	10 A.M.	12 NOON		
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT	9.8	9.8	9.7		
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	140	125	180		
INJURIES												
TOTAL			7083.00	FT.								
TOUR NO. 3 4 P.M. TO MIDNIGHT			7083									
DRILLER <u>A. Pearson</u>	4										REMARKS <u>Logging</u>	TIME START <u>4:00</u> STOP <u>12:00</u> INT VAL <u>8</u>
DERRICK <u>B. Ward</u>	4		NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT		
FLOOR <u>B. Day</u>	4			STANDS								
FLOOR <u>H. Milke</u>	4		20	D.C.'S								
FLOOR <u>E. Bratzel</u>	4		1	SUB XO	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.		
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT					
MECHANIC				BIT OR C.B.		FT.	VISCOSITY					
INJURIES												
TOTAL				FT.								
DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>XH</u>	TOTAL NO. OF JOINTS <u>241</u>	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING	TOOLPUSHER <u>J. H. A. Gaud</u>			
B.O.P.'S TESTED		ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.		APPROVED BY <u>Donlin Gaud</u>					

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 20/70</u>		WELL NAME <u>Atkinson ET-AL Island River J-44</u>		DATE <u>Feb 20/70</u>		REPORT NO. <u>29</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION <u>60°10'N 120°15'W</u>	
NO. 1 <u>Garrett</u>	<u>D500</u>	<u>16"</u>	<u>9.58</u>		<u>7.24</u>		<u>3</u>		<u>60°10'N 120°15'W</u>	
NO. 2 <u>V-S</u>	<u>24P</u>	<u>14"</u>	<u>9.58</u>		<u>7.24</u>		<u>3</u>		<u>60°10'N 120°15'W</u>	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS		FROM		FOOTAGE		TOTAL DEPTH	
DRILLER <u>J. Elliott</u>			8		6905		4		6909	
DERRICK <u>P. Bonnell</u>			8		6905		4		6909	
FLOOR <u>N. Shuchuk</u>			8		6905		4		6909	
FLOOR <u>L. Luker</u>			8		6905		4		6909	
FLOOR <u>B. Burgess</u>			8		6905		4		6909	
FIREMAN			8		6905		4		6909	
MECHANIC			8		6905		4		6909	
INJURIES			8		6905		4		6909	
TOTAL			8		6905		4		6909	
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS		FROM		FOOTAGE		TOTAL DEPTH	
DRILLER <u>A. Pearson</u>			8		6909		45		6954	
DERRICK <u>B. Wood</u>			8		6909		45		6954	
FLOOR <u>B. Day</u>			8		6909		45		6954	
FLOOR <u>H. Miller</u>			8		6909		45		6954	
FLOOR <u>E. Bontgel</u>			8		6909		45		6954	
FIREMAN			8		6909		45		6954	
MECHANIC			8		6909		45		6954	
INJURIES			8		6909		45		6954	
TOTAL			8		6909		45		6954	
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS		FROM		FOOTAGE		TOTAL DEPTH	
DRILLER <u>W. Smith</u>			8		6954		61		7015	
DERRICK <u>H. Thomas</u>			8		6954		61		7015	
FLOOR <u>W. Overach</u>			8		6954		61		7015	
FLOOR <u>D. Valadsky</u>			8		6954		61		7015	
FLOOR <u>A. Day</u>			8		6954		61		7015	
FIREMAN			8		6954		61		7015	
MECHANIC			8		6954		61		7015	
INJURIES			8		6954		61		7015	
TOTAL			8		6954		61		7015	

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 19/70</u>		WELL NAME <u>Ottawa ET-Al Island River J44</u>		DATE <u>Feb 19/70</u>		REPORT NO. <u>28</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. <u>60°10N 120°15W</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
DRILLER	<u>J. Elliott</u>	<u>8</u>	<u>6792</u>	<u>46</u>	<u>6835</u>	<u>7 3/4</u>	<u>140</u>	<u>6-6 3/4</u>	<u>50</u>	<u>8</u>
DERRICK	<u>P. Lorneau</u>	<u>8</u>	<u>66</u>	<u>STANDS</u>	<u>FT.</u>	<u>12</u>	<u>8 3/4</u>	<u>2-16</u>	<u>17243</u>	<u>WD7 50</u>
FLOOR	<u>N. Shewchuk</u>	<u>8</u>	<u>1</u>	<u>SINGLES</u>	<u>6214.07</u>					
FLOOR	<u>S. Luker</u>	<u>8</u>	<u>20</u>	<u>D.C.'S</u>	<u>589.86</u>					
FLOOR	<u>B. Burgess</u>	<u>8</u>	<u>1</u>	<u>SUB X0</u>	<u>3.66</u>	<u>FT.</u>	<u>MUD</u>	<u>12 MID.</u>	<u>2 A.M.</u>	<u>4 A.M.</u>
FIREMAN			<u>1</u>	<u>SUB X0</u>	<u>218</u>	<u>FT.</u>	<u>WEIGHT</u>	<u>9.9</u>	<u>9.9</u>	<u>9.9</u>
MECHANIC				<u>BIT OR C.B.</u>		<u>FT.</u>	<u>VISCOSITY</u>	<u>210</u>	<u>210</u>	<u>100</u>
INJURIES						<u>FT.</u>	<u>PUMP PRESSURE</u>	<u>1025</u>	<u>1050</u>	<u>1050</u>
			<u>KELLY IN</u>	<u>26</u>	<u>FT.</u>		<u>R.P.M. PUMP NO. 1</u>	<u>62</u>	<u>62</u>	<u>62</u>
							<u>R.P.M. PUMP NO. 2</u>	<u>ON GUNS</u>		
			<u>TOTAL</u>	<u>6835.77</u>	<u>FT.</u>		<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>	<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</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
DRILLER	<u>A. Pearson</u>	<u>12</u>	<u>6835</u>	<u>39</u>	<u>6874</u>	<u>7 3/4</u>	<u>140</u>	<u>6-6 3/4</u>	<u>50</u>	<u>8</u>
DERRICK	<u>B. Ward</u>	<u>8</u>	<u>66</u>	<u>STANDS</u>	<u>FT.</u>	<u>12</u>	<u>8 3/4</u>	<u>2-16</u>	<u>17243</u>	<u>WD7 50</u>
FLOOR	<u>B. Day</u>	<u>8</u>	<u>2</u>	<u>SINGLES</u>	<u>6245.25</u>					
FLOOR	<u>H. Mith</u>	<u>12</u>	<u>20</u>	<u>D.C.'S</u>	<u>589.86</u>					
FLOOR	<u>E. Smith</u>	<u>12</u>	<u>1</u>	<u>SUB X0</u>	<u>3.66</u>	<u>FT.</u>	<u>MUD</u>	<u>8 A.M.</u>	<u>10 A.M.</u>	<u>12 NOON</u>
FIREMAN			<u>1</u>	<u>SUB X0</u>	<u>218</u>	<u>FT.</u>	<u>WEIGHT</u>	<u>9.9</u>	<u>9.9</u>	<u>9.9</u>
MECHANIC				<u>BIT OR C.B.</u>		<u>FT.</u>	<u>VISCOSITY</u>	<u>185</u>	<u>189</u>	<u>121</u>
INJURIES						<u>FT.</u>	<u>PUMP PRESSURE</u>	<u>1050</u>	<u>1050</u>	<u>1050</u>
			<u>KELLY IN</u>	<u>32.57</u>	<u>FT.</u>		<u>R.P.M. PUMP NO. 1</u>	<u>62</u>	<u>62</u>	<u>62</u>
							<u>R.P.M. PUMP NO. 2</u>	<u>ON GUNS</u>		
			<u>TOTAL</u>	<u>6874.10</u>	<u>FT.</u>		<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>	<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>
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
DRILLER	<u>J. Elliott</u>	<u>4</u>	<u>6874</u>	<u>31</u>	<u>6905</u>	<u>7 3/4</u>	<u>140</u>	<u>6-6 3/4</u>	<u>50</u>	<u>8</u>
DERRICK	<u>H. THOMAS</u>	<u>8</u>	<u>67</u>	<u>STANDS</u>	<u>6276.21</u>					
FLOOR	<u>N. Shewchuk</u>	<u>4</u>	<u>1</u>	<u>SINGLES</u>		<u>FT.</u>				
FLOOR	<u>S. Luker</u>	<u>4</u>	<u>20</u>	<u>D.C.'S</u>	<u>589.86</u>					
FLOOR	<u>B. Burgess</u>	<u>4</u>	<u>1</u>	<u>SUB X0</u>	<u>3.66</u>	<u>FT.</u>	<u>MUD</u>	<u>4 P.M.</u>	<u>6 P.M.</u>	<u>8 P.M.</u>
FIREMAN			<u>1</u>	<u>SUB X0</u>	<u>218</u>	<u>FT.</u>	<u>WEIGHT</u>	<u>9.9</u>	<u>9.8</u>	<u>9.9</u>
MECHANIC				<u>BIT OR C.B.</u>		<u>FT.</u>	<u>VISCOSITY</u>	<u>208</u>	<u>200</u>	<u>CLUBBED</u>
INJURIES						<u>FT.</u>	<u>PUMP PRESSURE</u>	<u>1050</u>	<u>1050</u>	<u>1050</u>
			<u>KELLY IN</u>	<u>34</u>	<u>FT.</u>		<u>R.P.M. PUMP NO. 1</u>	<u>62</u>	<u>62</u>	<u>62</u>
							<u>R.P.M. PUMP NO. 2</u>	<u>ON GUNS</u>		
			<u>TOTAL</u>	<u>6905.91</u>	<u>FT.</u>		<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>	<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>
DRILL PIPE SIZE		<u>4 1/2</u>	TYPE		<u>XH</u>	TOTAL NO. OF JOINTS		<u>241</u>	DATE LAST SONOSCOPED	
B.O.F.'S TESTED		<u>Close</u>	ELAPSED TIME		<u>open</u>	PRESSURE		<u>not</u>	RESULTS	
TOTAL FOOTAGE DRILLED		<u>39285</u>	LAST CALIPER DATE			TOTAL FOOTAGE DRILLED		<u>39285</u>	RESULTS	
TOTCO RING ON BIT NO.			TOOLPUSHER		<u>J. Hudson</u>	APPROVED BY		<u>Gordon Thibault</u>		

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 18/70</u>		WELL NAME <u>Atkinson ET AL Island River J.44</u>		DATE <u>Feb 18/70</u>		REPORT NO. <u>257</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. <u>60°10'N 120°15'W</u>	
NO. <u>Emco</u>	<u>D500</u>	<u>16"</u>	<u>958</u>		<u>724</u>		<u>3</u>		<u>60°10'N 120°15'W</u>	
NO. <u>W.S.</u>	<u>214P</u>	<u>14"</u>	<u>958</u>		<u>724</u>		<u>3</u>		<u>60°10'N 120°15'W</u>	
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			6696		37		6733		6	
DRILLER	<u>J. Elliott</u>	8	NO. DRILLING STRING		BITS RUN NO.		SIZE		NO. AND SIZE OF D.C.S.	
DERRICK	<u>P. Lorneau</u>	8	65 STANDS		11		8 3/4		2-20 1-18 10375 X7	
FLOOR	<u>M. Shuchuk</u>	8	1 SINGLES		12		8 3/4		2-16 1-16	
FLOOR	<u>S. Luker</u>	8	20 D.C.S.		589.86		FT.			
FLOOR	<u>B. Burgess</u>	8	1 SUB X0		3.66		FT. MUD		12-MID. 2 A.M. 4 A.M. 6 P.M.	
FIREMAN			1 SUB X0		218		FT. WEIGHT		99 9.9 99 9.9 6.0 2/32 10.5	
MECHANIC			BIT OR C.B.		FT. VISCOSITY		170 160 150 150		ADDITIVES WATER	
INJURIES			KELLY IN		17		FT. PUMP NO. 1		60 60 60 62	
			TOTAL		6733.19		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	
DRILLER			6733		12		6745		2 1/2	
DERRICK			65 STANDS		12		8 3/4		2-16 1-15 17243 WD7	
FLOOR			1 SINGLES		12		6120.99			
FLOOR			20 D.C.S.		589.86		FT.			
FLOOR			1 SUB X0		3.66		FT. MUD		8 A.M. 10 A.M. 12 NOON 2 P.M.	
FLOOR			1 SUB X0		218		FT. WEIGHT		98 10.0	
FIREMAN			BIT OR C.B.		FT. VISCOSITY		145		ADDITIVES	
MECHANIC			KELLY IN		2881		FT. PUMP NO. 1		62	
INJURIES			TOTAL		6745.00		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	
DRILLER			6745		47		6792		7 3/4	
DERRICK			66 STANDS		12		8 3/4		2-16 1-15 17243 WD7	
FLOOR			1 SINGLES		12		6183.79			
FLOOR			20 D.C.S.		589.86		FT.			
FLOOR			1 SUB X0		3.66		FT. MUD		4 P.M. 6 P.M. 8 P.M. 10 P.M.	
FLOOR			1 SUB X0		218		FT. WEIGHT		99 9.9 98 9.9 6.0 2/32	
FIREMAN			BIT OR C.B.		FT. VISCOSITY		133 143 200 175		ADDITIVES	
MECHANIC			KELLY IN		13		FT. PUMP NO. 1		62 62 62 62	
INJURIES			TOTAL		6792.49		FT.		PUMP NO. 1 LINER SIZE 5 1/2 PUMP NO. 2 LINER SIZE 5 1/2	
DRILL PIPE SIZE			4 1/2		TYPE		X0		DATE LAST SONOSCOPED	
B.O.P.'S TESTED			open		PRESSURE		nil		RESULTS	
TOTAL FOOTAGE DRILLED			30169		LAST CALIPER DATE				RESULTS	
TOTCO RING ON BIT NO.					CODE LETTER OF STRING				TOOLPUSHER	
APPROVED BY										

TOOLPUSHER

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 17 / 70</u>		WELL NAME <u>Atkinson ET-Al Island River J44</u>		DATE <u>Feb 17 / 70</u>		REPORT NO. <u>26</u>											
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. <u>60°10'N - 120°15'W</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	J. Elliott	8	6561	46	6607	7 3/4	138	6-6 3/4	50	8	35052	46	34725	414	7-13-70	6420	34	Drill 8 3/4 Hole	12:00	
DERRICK	P. Lomax	8	64	STANDS	5995.08 FT.	11	8 3/4	2-20	10375	X7	45	56	6429	6607	17826 1/2			See Rig & Check B.O.P.	1:00	
FLOOR	N. Shewchuk	8		SINGLES														Drill 8 3/4 Hole	1:15	
FLOOR	S. Luky	8	20	D.C.'S	589.86															
FLOOR	B. Burgess	8	1	SUB	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
FIREMAN			1	SUB	2.18	FT.	WEIGHT	9.9	9.9	9.9	9.8	5.5	232	10.0	Thick Top Tank 3-7"					
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	125	140	140	300	ADDITIVES								
INJURIES				KELLY IN	17	FT.	PUMP NO. 1	62	62	62	62	950# PEXTEX	Blue out Training Meeting							
							PUMP NO. 2					300# GAL.								
							PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2	50# CATALIC.									
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	A. Pearson	12	6607	44	6651	6 3/4	138	6-6 3/4	50	8	35052	46	34725	414	7-13-70	6420	34	Drill	8:00	
DERRICK	B. Ward	12	64	STANDS		11	8 3/4	2-20	10375	X7	50	56	6429	6651	222	33 1/4		Rig service + B.O.P.	12:00	
FLOOR	B. Dore	12	1	SINGLES	6026.68													Drill	12:15	
FLOOR	H. Mitth	12	20	D.C.'S	589.86													Circ sample @ 6639'	1:30	
FLOOR	F. Bratzel	12	1	SUB	3.66	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
FIREMAN			1	SUB	2.18	FT.	WEIGHT	9.9	9.9	9.9	9.9	6.2	32	10.0						
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	215	150	139	140	ADDITIVES	WATER							
INJURIES				KELLY IN	38.62	FT.	PUMP NO. 1	62	62	62	62									
							PUMP NO. 2	ON	GUNS											
							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			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	J. Elliott	4	6651	45	6696	7 3/4	138	6-6 3/4	50	8	35052	46	34725	414	7-13-70	6420	34	Drill	4:00	
DERRICK	P. Lomax	4	15	STANDS	6088.84	11	8 3/4	2-20	10375	X7	50	56	6429	6696	267	41		Rig service + B.O.P.	5:45	
FLOOR	N. Shewchuk	4	1	SINGLES	6057.76													Drill	6:00	
FLOOR	S. Luky	4	20	D.C.'S	589.86															
FLOOR	B. Burgess	4	1	SUB	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
FIREMAN			1	SUB	2.18	FT.	WEIGHT	9.9	9.9	9.9	9.9			10.5	Maxim Remains 8 hrs					
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	148	145	155	175	ADDITIVES	WATER							
INJURIES				KELLY IN	82	FT.	PUMP NO. 1	62	62	62	62									
							PUMP NO. 2	ON	GUNS											
							PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2										
DRILL PIPE SIZE	4 1/2	TYPE	XH	TOTAL NO. OF JOINTS	241	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED		TOTAL FOOTAGE DRILLED		30,045		LAST CALIPER DATE	RESULTS		CODE LETTER OF STRING		TOOLPUSHER		
B.O.P.'S TESTED	Below	ELAPSED TIME	open	PRESSURE	nil	RESULTS	OK		TOTCO RING ON BIT NO.								APPROVED BY			

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 16/70 REPORT NO. 25

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <u>Conner</u>	<u>D-500</u>	<u>16"</u>
NO. 2 <u>Ward</u>	<u>214-P</u>	<u>14"</u>

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

DRILLER <u>W. Smith</u>	8
DERRICK <u>H. Thomas</u>	8
FLOOR <u>W. Crouch</u>	8
FLOOR <u>D. Halabity</u>	8
FLOOR <u>A. Day</u>	8
FIREMAN	
MECHANIC	
INJURIES	

DATE <u>Feb 16/70</u>	WELL NAME <u>Alvin - etal island near</u>
RIG NO. <u>23</u>	LOCATION LSD. <u>60°-110°10'N - 120°-15'W</u>
SEC. <u>23</u>	TWP. <u>23</u>
RGE. <u>23</u>	
FROM <u>6429</u>	FOOTAGE <u>83</u>
TOTAL DEPTH <u>6452</u>	HOURS ON BOTTOM <u>3 1/4</u>
DRILL PIPE WEIGHT <u>135.000</u>	NO. AND SIZE OF D.C.'S <u>6-6 3/4</u>
D.C. WEIGHT <u>50.000</u>	TRIPS <u>8</u>
NO OF LINES <u>8</u>	TOTAL TON MILES <u>35052</u>
LINE CUT FEET <u>46</u>	AT MILES <u>34725</u>
FEET LEFT ON SPOOL <u>414</u>	DATE OF LAST CUT <u>2-13-70</u>
AT SURVEYS DEGREES <u>6429</u>	
NO. DRILLING STRING	STANDS
1 <u>SINGLES</u>	<u>5837.03</u> FT.
20 <u>D.C.'S</u>	<u>589.86</u> FT.
1 <u>SUB X0</u>	<u>3.66</u> FT.
1 <u>SUB X0</u>	<u>2.18</u> FT.
BIT OR C.B.	FT.
VISCOSITY	FT.
PUMP PRESSURE	FT.
R.P.M. PUMP NO. 1	
R.P.M. PUMP NO. 2	
PUMP NO. 1 LINER SIZE	
PUMP NO. 2 LINER SIZE	
TOTAL <u>6452.00</u>	FT.

REMARKS	START	STOP	INT VAL
<u>Finish pulling out</u>	<u>12:00</u>	<u>1:30</u>	<u>1 1/2</u>
<u>Rig Service - check Blank runs</u>	<u>1:30</u>	<u>1:45</u>	<u>1/4</u>
<u>Run in w/ Bit Seal pipe 4000</u>	<u>1:45</u>	<u>4:00</u>	<u>2 1/4</u>
<u>Cham 40' Seal</u>	<u>4:00</u>	<u>4:45</u>	<u>3/4</u>
<u>Drill</u>	<u>4:45</u>	<u>8:00</u>	<u>3 1/4</u>

TOUR NO. 2 8 A.M. TO 4 P.M.	HOURS
DRILLER <u>J. Elliott</u>	8
DERRICK <u>P. Lorneau</u>	8
FLOOR <u>N. Shewchuk</u>	8
FLOOR <u>L. Luky</u>	8
FLOOR <u>B. Burgess</u>	8
FIREMAN	
MECHANIC	
INJURIES	

FROM <u>6452</u>	FOOTAGE <u>60</u>
TOTAL DEPTH <u>6512</u>	HOURS ON BOTTOM <u>7 3/4</u>
DRILL PIPE WEIGHT <u>138.000</u>	NO. AND SIZE OF D.C.'S <u>6-6 3/4</u>
D.C. WEIGHT <u>50.000</u>	TRIPS <u>8</u>
NO OF LINES <u>8</u>	TOTAL TON MILES <u>35052</u>
LINE CUT FEET <u>46</u>	AT MILES <u>34725</u>
FEET LEFT ON SPOOL <u>414</u>	DATE OF LAST CUT <u>2-13-70</u>
AT SURVEYS DEGREES <u>6420</u>	
NO. DRILLING STRING	STANDS
1 <u>SINGLES</u>	<u>5900.03</u> FT.
20 <u>D.C.'S</u>	<u>589.86</u> FT.
1 <u>SUB X0</u>	<u>3.66</u> FT.
1 <u>SUB X0</u>	<u>2.18</u> FT.
BIT OR C.B.	FT.
VISCOSITY	FT.
PUMP PRESSURE	FT.
R.P.M. PUMP NO. 1	
R.P.M. PUMP NO. 2	
PUMP NO. 1 LINER SIZE	
PUMP NO. 2 LINER SIZE	
TOTAL <u>6512.03</u>	FT.

REMARKS	START	STOP	INT VAL
<u>Drill 8 3/4 Hole</u>	<u>8:00</u>	<u>10:30</u>	<u>2 1/2</u>
<u>Run Rig check B.O.P</u>	<u>10:30</u>	<u>10:45</u>	<u>1/4</u>
<u>Drill 8 3/4 Hole</u>	<u>10:45</u>		

TOUR NO. 3 4 P.M. TO MIDNIGHT	HOURS
DRILLER <u>A. Pearson</u>	8
DERRICK <u>R. Ward</u>	8
FLOOR <u>R. Day</u>	8
FLOOR <u>H. Mettke</u>	8
FLOOR <u>E. Broedel</u>	8
FIREMAN	
MECHANIC	
INJURIES	

FROM <u>1512</u>	FOOTAGE <u>49</u>
TOTAL DEPTH <u>6561</u>	HOURS ON BOTTOM <u>7 3/4</u>
DRILL PIPE WEIGHT <u>138.000</u>	NO. AND SIZE OF D.C.'S <u>6-6 3/4</u>
D.C. WEIGHT <u>50.000</u>	TRIPS <u>8</u>
NO OF LINES <u>8</u>	TOTAL TON MILES <u>35052</u>
LINE CUT FEET <u>46</u>	AT MILES <u>34725</u>
FEET LEFT ON SPOOL <u>414</u>	DATE OF LAST CUT <u>2-13-70</u>
AT SURVEYS DEGREES <u>6420</u>	
NO. DRILLING STRING	STANDS
1 <u>SINGLES</u>	<u>5932.01</u> FT.
20 <u>D.C.'S</u>	<u>589.86</u> FT.
1 <u>SUB X0</u>	<u>3.66</u> FT.
1 <u>SUB X0</u>	<u>2.18</u> FT.
BIT OR C.B.	FT.
VISCOSITY	FT.
PUMP PRESSURE	FT.
R.P.M. PUMP NO. 1	
R.P.M. PUMP NO. 2	
PUMP NO. 1 LINER SIZE	
PUMP NO. 2 LINER SIZE	
TOTAL <u>6561.00</u>	FT.

REMARKS	START	STOP	INT VAL
<u>Drill</u>	<u>4:00</u>	<u>7:45</u>	<u>3 3/4</u>
<u>Rig up + B.O.P's</u>	<u>7:45</u>	<u>8:00</u>	<u>1/4</u>
<u>Drill</u>	<u>8:00</u>	<u>12:00</u>	<u>4</u>

DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>XH</u>	TOTAL NO. OF JOINTS <u>241</u>	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED <u>29954</u>	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED <u>blow</u>	ELAPSED TIME <u>open</u>	PRESSURE <u>nil</u>	RESULTS <u>OK</u>	TOTCO RING ON BIT NO. <u>#11</u>				

TOOLPUSHER J. H. Ward
APPROVED BY P. Lorneau

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 15/70 REPORT NO. 24

PUMPS				MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		LOCATION		SEC.	TWP.	RGE.	PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.	
TOUR NO. 1 MIDNIGHT TO 8 A.M.		HOURS	FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS	DEGREES	REMARKS		
DRILLER	W. Smith	8	6297	43	6340	7 3/4	135,000	14-6 3/4	50,000	8	34880	46	34725	414	2-13-70	6229	1/2	Drill		12:00	3:00	3
DERRICK	H. Thomas	8	61	STANDS	5710.66	10	8 3/4	2-20	17043	XVT	40	56	6229	6340	111	18 1/2	Rig Service + B.O.P.		3:00	3:15	1/4	
FLOOR	W. Enock	8		SINGLES													Drill		3:15	8:00	4 3/4	
FLOOR	D. Walchinsky	8	20	D.C.'S	589.86																	
FLOOR	A. Day	8	1	SUB XO	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT	9.8	9.8	9.8	9.8	6.2	7/32	10.0	Top fuel tank 5'-8"							
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	120	95	100	125	ADDITIVES		Bottom fuel tank 1'-8"								
INJURIES																						
TOTAL					6340.00	FT.																
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	A. Elliott	8	6340	50	6390	7 3/4	135,000	14-6 3/4	50,000	8	34880	46	34725	414	2-13-70	6229	1/2	Drill 8 3/4 Hole		8:00	9:15	1 1/4
DERRICK	P. Bonneau	8	71	STANDS		10	8 3/4	2-20	17043	XVT	40	56	6229	6390	161	26 1/4	See Rig Check B.O.P.		9:15	9:30	4	
FLOOR	H. Schuch	8	2	SINGLES	5773.95												Drill 1 3/4 Hole		9:30	4:00	6 1/2	
FLOOR	A. Luker	8	20	D.C.'S	589.86																	
FLOOR	B. Burgess	8	1	SUB XO	3.66	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT	9.8	9.8	9.8	9.7	6.0	7/32	10.0								
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	120	135	140	140	ADDITIVES		50# TEX								
INJURIES																						
TOTAL					6390.63	FT.																
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	A. Pearson	8	6390	39	6429	5 3/4	132,000	14-6 3/4	50,000	8	34880	46	34725	414	2-13-70	6229	1/2	Drill		4:00	6:45	2 3/4
DERRICK	H. Ward	8	108	STANDS	5805.43	10	8 3/4	2-20	17043	XVT	40	56	6229	6429	200	32	Rig Service + B.O.P.		6:45	7:00	1/4	
FLOOR	B. Day	8		SINGLES													Drill		7:00	10:00	3	
FLOOR	H. Miths	8	20	D.C.'S	589.86												Drop survey C 6429		10:00	10:15	1/4	
FLOOR	E. Bortel	8	1	SUB XO	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS		Pull out tight coming of bottom		10:15	12:00	1 3/4	
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT	9.7	9.7	9.8		5.8	7/32	10.0	Mavin Roman 8 lbs							
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	120	118	114		ADDITIVES		WT. ML - 3500 #		LIED LINE HOLDING 8 lbs.						
INJURIES																						
TOTAL					6429.00	FT.																
TOUR NO. 4 12 A.M. 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		
DRILLER	A. Pearson	8	6429	39	6468	5 3/4	132,000	14-6 3/4	50,000	8	34880	46	34725	414	2-13-70	6229	1/2	Drill		12:00	3:00	3
DERRICK	H. Ward	8	108	STANDS	5805.43	10	8 3/4	2-20	17043	XVT	40	56	6229	6468	200	32	Rig Service + B.O.P.		3:00	3:15	1/4	
FLOOR	B. Day	8		SINGLES													Drill		3:15	8:00	4 3/4	
FLOOR	H. Miths	8	20	D.C.'S	589.86																	
FLOOR	E. Bortel	8	1	SUB XO	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
FIREMAN			1	SUB XO	2.18	FT.	WEIGHT	9.7	9.7	9.8		5.8	7/32	10.0	Mavin Roman 8 lbs							
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	120	118	114		ADDITIVES		WT. ML - 3500 #		LIED LINE HOLDING 8 lbs.						
INJURIES																						
TOTAL					6468.00	FT.																

TOOLPUSHER

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 14/70 REPORT NO. 23

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE <u>Feb 14/70</u>		WELL NAME <u>Albion etal island series</u>		LOCATION <u>60°-10'N-120°-15'W</u>		RIG NO. <u>43</u>		SEC. <u>---</u> TWP. <u>---</u> RGE. <u>---</u>		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.		REMARKS			TIME																																				
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			START			STOP			INT VAL					
DRILLER <u>W. Smith</u>			8			6172			37			6229			5 3/4			135,000			14-6 1/4			50,000			8			34725			46			34725			414			3413			6229			112			Drill			12:00			4:30			4 1/2		
DERRICK <u>H. Thomas</u>			8			60			STANDS			5616.29			9			8 3/4			9%			93200			05016			3 1/4			56			6140			6229			89			14 1/4			Drill			4:30			4:45			1 1/4					
FLOOR <u>W. Cwack</u>			8			SINGLES						FT.																																				Survey			6:00			6:15			1 1/4					
FLOOR <u>D. Habbib</u>			8			20			D.C.S.			589.86			FT.																																	Trip for Bit change			6:15			8:00			1 3/4					
FLOOR <u>A. Day</u>			8			1			SUB X.O.			3.66			FT.			MUD			12 MID.			2 A.M.			4 A.M.			6 P.M.			WATER LOSS			FILTER CAKE			PH			GENERAL REMARKS																				
FIREMAN						1			SUB X.O.			2.15			FT.			WEIGHT			9.8			9.5			9.6			9.5			6.2			2132			10.0			Top fuel tank - 5'-0"																				
MECHANIC									BIT OR C.B.			FT.			VISCOSITY			145			150			130			125			ADDITIVES																																
INJURIES									KELLY IN			17.01			FT.			PUMP NO. 1			61			61			62			62																																
TOTAL			6229.00			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			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>J. Elliott</u>			8			6229			20			6249			3			135			14-6 1/4			50,000			1			8			34880			46			34725			415			2-13-69			Pull out			8:00			9:00			1					
DERRICK <u>P. Comrow</u>			8			60			STANDS			5616.29			10			8 3/4			9-32			17043			XVI			40			56			6229			6249			70			3			Run 19m			9:15			10:00			1 1/2					
FLOOR <u>N. Skowchuk</u>			8			SINGLES						FT.																																							Break in Ream 30' ft			10:05			1:00			2 1/4		
FLOOR <u>S. Luky</u>			8			20			D.C.S.			589.86			FT.																																				Drill 834 ft			1:00			4:00			3		
FLOOR <u>B. Burgess</u>			8			1			SUB X.O.			3.66			FT.			MUD			8 A.M.			10 A.M.			12 NOON			2 P.M.			WATER LOSS			FILTER CAKE			PH			GENERAL REMARKS																				
FIREMAN						1			SUB X.O.			2.15			FT.			WEIGHT			9.6			9.7			6.4			2132			11.0																													
MECHANIC									BIT OR C.B.			FT.			VISCOSITY			120			120			ADDITIVES																																						
INJURIES									KELLY IN			30			FT.			PUMP NO. 1			62			62			GEL - 700#																																			
TOTAL			6249.79			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			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>A. Pearson</u>			8			6249			48			6297			7 3/4			136,000			14-6 1/4			50,000			7			34880			46			34725			414			2-13-70			Drill			4:00			4:15			1 1/4								
DERRICK <u>B. Wood</u>			8			60			STANDS			5616.29			10			8 3/4			9-32			17043			XVI			40			65			6229			6297			68			10 3/4			Run 19m			4:15			4:30			1 1/4					
FLOOR <u>B. Day</u>			8			2			SINGLES			5679.00			FT.																																															
FLOOR <u>H. Methe</u>			8			20			D.C.S.			589.86			FT.																																															
FLOOR <u>B. Day</u>			8			1			SUB			3.66			FT.			MUD			4 P.M.			6 P.M.			8 P.M.			10 P.M.			WATER LOSS			FILTER CAKE			PH			GENERAL REMARKS																				
FIREMAN <u>C. Bratzel</u>			8			1			SUB			2.18			FT.			WEIGHT			9.7			9.7			9.7			9.8			5.2			3/32			11.0			RED LINE HOLDINGS 8hrs																				
MECHANIC									BIT OR C.B.			FT.			VISCOSITY			146			120			125			127			ADDITIVES			WT. MT. - 5800#																													
INJURIES									KELLY IN			22:30			FT.			PUMP NO. 1			58			58			59			GEL - 1700#																																
TOTAL			6297.00			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			241			DATE LAST SONOSCOPIED						FOOTAGE DRILLED SINCE LAST SONOSCOPIED			29,690			TOTAL FOOTAGE DRILLED			29,690			LAST CALIPER DATE						RESULTS			CODE LETTER OF STRING																	
B.O.P.'S TESTED			Alloy, 4 1/2", Hydral			ELAPSED TIME			15 min			PRESSURE			1500			RESULTS			OK			TOTCO RING ON BIT NO.																																						

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

DAY WORK RECORD

DATE Feb 13/70 REPORT NO. 22

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

PUMPS				WELL NAME <u>Albion et al island river</u>										DATE <u>Feb 13/70</u>		REPORT NO. <u>22</u>																									
MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE <u>Feb 13/70</u>		WELL NAME <u>Albion et al island river</u>		60°-10'N - 120°-15'W		RIG NO. <u>#3</u>		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.																							
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					
DRILLER <u>W. Smith</u>				8		6094		46		6140		6		135,000		14-6 1/4 50,000		8		34564		46		34159		460		Feb 9		6140		R		High Ser. + check B.O.P's		12:00 12:15 1/4					
DERRICK <u>H. Thomas</u>				8		39		STANDS		5522.17 FT.		8		8 3/4		9/0		16266		D.W.V		35		56		5909		6140		231		30 3/4		pulling		B. Summary 66170		6:15 6:30 1/4			
FLOOR <u>D.W. Pouch</u>				8		20		D.C.'S		589.86 FT.		1		SUB X.O		3.66		FT.		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS					
FLOOR <u>D. Kaladsky</u>				8		1		SUB X.O		3.66		FT.		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS											
FIREMAN <u>A. Day</u>				8		1		SUB X.O		2.18		FT.		WEIGHT		9.8		9.8		9.8		9.8		5.8		7/32		10.5		6' 2" Fuel in top tank											
MECHANIC								BIT OR C.B.		FT.		VISCOSITY		127		115		115		115		ADDITIVES								2' 1" " " bottom tank											
INJURIES								KELLY IN		22.13		FT.		PUMP PRESSURE		750		750		750		600		GEL		900 #						Change 5 1/2" head rubber + stem off fly wheel side									
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					
DRILLER <u>J. Elliott</u>				8		6140		5		6145		34		135		14-6 1/4 50,000		8		34725		46		34725		414		Feb 13		6140		R		Pull out		9:00 9:30 1/2					
DERRICK <u>P. Lomax</u>				8		59		STANDS		5522.17 FT.		9		8 3/4		CUT OUT		93200		OSCIG		30		56		6140		6145		5		34		Running		Run In Drill Ballast		9:30 10:00 1/2			
FLOOR <u>M. Sherechuk</u>				8		20		D.C.'S		589.86 FT.		1		SUB X.O		3.66		FT.		MUD		8 A.M.		10 A.M.		12 NOON		2 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS		Shut Line		10:00 11:00 1	
FLOOR <u>S. Luker</u>				8		1		SUB X.O		2.18		FT.		WEIGHT		9.8		9.8		9.8		9.8		5.8		7/32		10.5		6' 2" Fuel in top tank						Wake on control		11:00 12:30 1 1/2			
FLOOR <u>B. Burges</u>				8		1		SUB X.O		2.18		FT.		WEIGHT		9.8		9.8		9.8		9.8		5.8		7/32		10.5		6' 2" Fuel in top tank						Run In		12:30 2:00 2			
FIREMAN								BIT OR C.B.		FT.		VISCOSITY										ADDITIVES												Checked Blind Pump Break has been 20' off		2:30 3:15 3/4					
MECHANIC								KELLY IN		2:17		FT.		PUMP PRESSURE		750		750		750		600		GEL		900 #								Drill 8 3/4 Hole		3:15 4:00 3/4					
INJURIES								KELLY IN		2:17		FT.		PUMP PRESSURE		750		750		750		600		GEL		900 #															
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</									

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 12/70 REPORT NO. 21

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <u>Emco</u>	<u>D-500</u>	<u>16"</u>
NO. 2 <u>Ribwell</u>	<u>214-P</u>	<u>14"</u>

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

DRILLER <u>W. Smith</u>	8
DERRICK <u>H. Thomas</u>	8
FLOOR <u>W. Ewack</u>	8
FLOOR <u>D. Kadaraby</u>	8
FLOOR <u>A. Day</u>	8
FIREMAN	
MECHANIC	
INJURIES	

LAST CASING SIZE		LAST CASING SET AT		DATE Feb 12/70		WELL NAME Robinson Flat Island River										60°-10'N-120°-15'W.									
9 5/8"		724		RIG NO. #3		LOCATION LSD.										SEC.		TWP.		RGE.					
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									
5920	64	5984	7 3/4	1330m	6-6 3/4 14-6 1/4	50,000		8	34564	76	34159	460	Feb 9												
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								
57	STANDS		8	8 3/4	C/O	16266	OWN	30	56	5909	5984	75	9 1/4												
1	SINGLES		5367.27																						
20	D.C.'S		589.86																						
1	SUB X0		3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS												
1	SUB X0		2.18	FT.	WEIGHT	98	9.8	9.8	6.00	3/32	10.5		4' 7" top tank												
	BIT OR C.B.			FT.	VISCOSITY	95	115	122	123	ADDITIVES	GEL-1400		none in bottom tank												
				FT.	PUMP PRESSURE	700	700	750	750	PELTEx	- 30														
	KELLY IN		21.07	FT.	R.P.M. PUMP NO. 1	61	61	61	61	CYPAN	- 100														
				FT.	R.P.M. PUMP NO. 2	ON	CUNS			CAUSTIC	#100														
TOTAL		5984.00		FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"	WATER																
									NO OF	TOTAL	LINE CUT	FEET LEFT	DATE OF	AT	SURVEYS	DEGREES									

REMARKS	START	STOP	INT VAL
Drill	12:00	2:15	2 1/4
Rig Service + check BOP's	2:15	2:30	1/4
Drill	2:30	8:00	5 1/2

DRILLER <u>J. Elliott</u>	8
DERRICK <u>S. Lomene</u>	8
FLOOR <u>N. Shenghuk</u>	8
FLOOR <u>S. Lueky</u>	8
FLOOR <u>B. Burgess</u>	8
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	TON MILES	FEET	AT MILES	ON SPOOL	LAST CUT				
5984	54	6038	7 3/4	132	6-6 3/4	50	8	34564	46	34159	460	Feb 9					
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
58	STANDS	5828.47	8	8 3/4 CUT OUT	16266	OWN	30	56	5909	6038	129	17					
	SINGLES	FT.															
20	D.C.'S	589.86															
1	SUB	X0	3.66	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS				
1	SUB	X0	2.18	FT.	WEIGHT	98	9.8	9.8	9.8	6.2	2/32	10.5	Safety Meeting				
	BIT OR C.B.			FT.	VISCOSITY	95	100	125	125	ADDITIVES			Subject mixed				
				FT.	PUMP PRESSURE	700	700	775	750	GEL BEAR.			Pumps				
	KELLY IN	19		FT.	R.P.M. PUMP NO.1	62	62	61	62				Blow out Train				
				FT.	R.P.M. PUMP NO.2								Meeting				
TOTAL		6038.19	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	8:00	9:00	1
Rig Service + check BOP	9:00	9:15	1/4
Drill 8 3/4 Hole	9:15	4:00	6 3/4

DRILLER <u>A. Pearson</u>	8
DERRICK <u>B. Ward</u>	8
FLOOR <u>B. Day</u>	8
FLOOR <u>H. Mithe</u>	8
FLOOR <u>E. Bodgel</u>	8
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		
6038	56	6094	7 3/4	132	6-6 3/4	50,000	8	34564	46	34159	460	3419					
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
58	STANDS	FT.	8	8 3/4	C/O	16266	OWN	35	56	2909	6094	185	24 3/4				
1	SINGLES	5459.97															
20	D.C.'S	589.86															
1	SUB X0	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X0	2.18	FT.	WEIGHT	9.8	9.8	9.8	9.8	5.8	3/32	10.5	Main Remarks - 8 hr.					
	BIT OR C.B.		FT.	VISCOSITY	129	126	121	130	ADDITIVES WATER			RED LINE HOLDINGS 8 hr.					
			FT.	PUMP PRESSURE	750	750	750	750	PELTEx - 50#								
	KELLY IN	39.	FT.	R.P.M. PUMP NO. 1	62	62	62	62	CAUSTIC - 100#			Held Blow out Drill.					
				R.P.M. PUMP NO. 2	ON	Cuns						Safety meeting topic					
TOTAL		6094.64	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2				Battery equipment						
												LAST	RESULTS		CODE LETTER		

REMARKS	START	STOP	INT VAL
Drill	4:00	7:45	3 3/4
Rig arrival + BOP's	7:45	8:00	1/4
Drill	8:00	12:00	4:00

DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>XH</u>	TOTAL NO. OF JOINTS <u>241</u>	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	TOTCO RING ON BIT NO. <u>#8</u>
B.O.P.'S TESTED <u>Hydralic</u>	<u>4 1/2" ann</u>	ELAPSED TIME <u>18 min</u>	PRESSURE <u>1500</u>	RESULTS <u>OK</u>				

TOOLPUSHER J. Gibson
APPROVED BY [Signature]

DAY WORK RECORD

DATE Feb 11/70 REPORT NO. 20

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

PUMPS										DATE Feb 11/70										REPORT NO. 20																									
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE Feb 11/70		WELL NAME		60°-10'N. - 120° - 15'W		RIG NO. #3		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		Emaco		D-500		16"		959'		724'		RIG NO. #3		LOCATION LSD.		SEC.		TWP.		RGE.		RIG NO. #3		LOCATION LSD.		SEC.		TWP.		RGE.		REMARKS													
NO. 2		Emaco		D-500		16"		959'		724'		RIG NO. #3		LOCATION LSD.		SEC.		TWP.		RGE.		RIG NO. #3		LOCATION LSD.		SEC.		TWP.		RGE.		REMARKS													
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									
DRILLER		W. Smith		8		5909																														Rig run - check B.O.P's									
DERRICK		H. Thomas		8		56		STANDS		FT.																										Pull to test									
FLOOR		W. Emack		8		1		SINGLES		5272.55'																										Pick up test's tool - make up some									
FLOOR		D. Halachuk		8		20		D.C.'S		589.86'																										Run in string of D.T's									
FLOOR		A. Day		8		1		SUB X.O		3.66'		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS								Hit bridge at 5200' work bridge									
FIREMAN								BIT OR C.B.		FT.		VISCOSITY																								head up to test									
MECHANIC																																													
INJURIES																																													
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		J. Elliott		8		5909																														D.S.T. #2									
DERRICK		P. Leman		8		56		STANDS		FT.																										Pull D.S.T. #2									
FLOOR		M. Shewchuk		8		1		SINGLES		5272.55'																										Shut in 2 hrs Recovered 600' Heavy Gas Cut Mud									
FLOOR		S. Lukes		8		20		D.C.'S		589.86'																										I.H.P.3015 FHP2984 ISIP2881 FSIP2075 1 FP120									
FLOOR		B. Buhgers		8		1		SUB X.O		3.66'		MUD		8 A.M.		10 A.M.		12 NOON		2 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS								FFP70 Temp - Broken Type Bomb AK1									
FIREMAN								BIT OR C.B.		FT.		VISCOSITY																								Partial Plugging 3/4" hole clearing									
MECHANIC																																				THE LAST 15 MIN.									
INJURIES																																													
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		A. Pearson		8		5909																																							

DAY WORK RECORD

PUMPS

DATE Feb 10, 1970 REPORT NO. 19

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

WELL NAME Utkenion Itol Island river
60°-10'N -120°-15'W.
LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____

DATE Feb 10/70

RIG NO. 43

LOCATION LSD. _____ SEC. _____ TWP. _____ RGE _____

ES	REMARKS	TIME		
		START	STOP	INT VAL

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emeco</i>	<i>D.500</i>	<i>16"</i>
NO. 2 <i>Calwell</i>	<i>D14-P</i>	<i>14"</i>

EACH EMPLOYEE MUST SIGN THIS BOOK

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

LAST CASING SIZE		LAST CASING SET AT	
95/8		724	
FROM	FOOTAGE	TOTAL DEPTH	HOURS OF BOTTOM

[illegible]

REMARKS	TIME		
	START	STOP	INT VAL
	11:00	11:00	/

DRILLER	W. Smith	8
DERRICK	H. Thomas	8
FLOOR	W. C. Wack	4
FLOOR	D. Haldenby	8
FLOOR	A. Day	8
FIREMAN		
MECHANIC		
INJURIES		

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
55	STANDS	FT.	17	8 3/4	C/P	91703	6WV	25	56	5783	5825	42	6 1/4					
2	SINGLES	5209.31	FT.															
20	D.C.'S	589.86	FT.															
1	SUB	10	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	F.P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB	10	2.18	FT.	WEIGHT	9.7	9.7	9.7	98	6.2	432	10.5						
	BIT OR C.B.			FT.	VISCOSITY	110	110	96	98	ADDITIVES								
				FT.	PUMP PRESSURE	500	500	500	500	STARLITE ALUMINUM #25								
	KELLY IN	18.99	FT.	R.P.M.	PUMP NO. 1	52	52	52	52									
				R.P.M.	PUMP NO. 2													
TOTAL				5825.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"									

[illegible]

TOUR NO. 2 8 A.M. TO 4 P.M.		HOURLY
DRILLER	<i>J. Elliott</i>	8
DERRICK	<i>P. Lomeau</i>	8
FLOOR	<i>M. S. Leuchter</i>	8
FLOOR	<i>S. Luker</i>	8
FLOOR	<i>B. Burgess</i>	8
FIREMAN		
MECHANIC		
INJURIES		

[illegible][illegible]

TOUR NO. 3		HOURS
4 P.M. TO MIDNIGHT		
DRILLER	<i>A. Pearson</i>	8
DERRICK	<i>B. Ward</i>	8
FLOOR	<i>B. Day</i>	8
FLOOR	<i>H. Melke</i>	8
FLOOR	<i>E. Bratzel</i>	8
FIREMAN		
MECHANIC		
INJURIES		

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF DTH	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.		
5880	29	5909	2 3/4	130	6-6 1/2	14-1 1/4	50	1	8	34292	46	34129	460	Feb 9	5900	20			
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	CON IO	
56	STANDS		FT.	R7	8 3/4	C10	91703	OWV	30	56	5783	5909	126	16 1/4					puller
1	SINGLES		5872.53	FT.															
20	D.C.'S		58986	FT.															
1	SUB	X0	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
1	SUB	X0	2.18	FT.	WEIGHT	409.9	9.9	9.9	9.9	5.8	45	10.5	RED LINE HOODING 3 8th						
	BIT OR C.B.		FT.	VISCOSITY	80	80	83	106	ADDITIVES				MARIN REMARKS 8th						
			FT.	PUMP PRESSURE	675	675	675	675	GEL-2400#										
	KELLY IN	41.	FT.	R.P.M. PUMP NO. 1	62	62	62	62	ALUMINUM STERATE										
			FT.	R.P.M. PUMP NO. 2	ON	CUNS			8#										
TOTAL				5909.25	FT.	PUMP NO. 1	53	PUMP NO. 2	53										

REMARKS		TIME	DATE
Drill		14 ⁰⁰	6 ⁰⁰
circ sample 5892'		6 ⁰⁰	8 ¹⁵
Drill		8 ¹⁵	9
circ sample 5909'		9 ⁰⁰	11 ⁴⁵
Drop survey		10 ⁴⁵	11 ⁰⁰
Full out tight spot		11 ⁰⁰	11⁰⁰
work tight 5920' to 5760'			12 ⁰⁰

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

TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER STRING
241							
ELAPSED TIME			PRESSURE	RESULTS	TOTCO RING ON BIT NO.		

TOOLPUSHER J. H. [Signature]

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 9/70 REPORT NO. 18

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET A'		DATE <u>Feb 9/70</u>		WELL NAME <u>Albion Island river</u>		LOCATION <u>60°10N -120°-15W</u>		RIG NO. <u>#3</u>		SEC. <u>---</u> TWP. <u>---</u> RGE. <u>---</u>		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.		
NO. 1 <u>Emco</u>		<u>D 500</u>		<u>16"</u>																			
NO. 2 <u>Emco</u>		<u>214-P</u>		<u>14"</u>																			
TOUR NO. 1 MIDNIGHT TO 8 A.M.		HOURS																					
DRILLER <u>W. Smith</u>		<u>8</u>																					
DERRICK <u>H. Thomas</u>		<u>8</u>																					
FLOOR <u>W. Ewech</u>		<u>8</u>																					
FLOOR <u>D. Halabiky</u>		<u>8</u>																					
FLOOR <u>A. Day</u>		<u>8</u>																					
FIREMAN																							
MECHANIC																							
INJURIES																							
TOTAL		<u>5820.01</u>		FT.																			
TOUR NO. 2 8 A.M. TO 4 P.M.		HOURS																					
DRILLER <u>J. Elliott</u>		<u>8</u>																					
DERRICK <u>R. Lomax</u>		<u>8</u>																					
FLOOR <u>N. Schuchuk</u>		<u>8</u>																					
FLOOR <u>L. Luby</u>		<u>8</u>																					
FLOOR <u>B. Burgess</u>		<u>8</u>																					
FIREMAN																							
MECHANIC																							
INJURIES																							
TOTAL		<u>5820.01</u>		FT.																			
TOUR NO. 3 4 P.M. TO MIDNIGHT		HOURS																					
DRILLER <u>A. Pearson</u>		<u>8</u>																					
DERRICK <u>B. Ward</u>		<u>8</u>																					
FLOOR <u>B. Day</u>		<u>8</u>																					
FLOOR <u>H. Mitche</u>		<u>8</u>																					
FLOOR <u>E. Protzel</u>		<u>8</u>																					
FIREMAN																							
MECHANIC																							
INJURIES																							
TOTAL		<u>5820.01</u>		FT.																			

TOOLPUSHER J. + L. Lomax
APPROVED BY R. L. Lomax

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 8/70 REPORT NO. 17

PUMPS			LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		LOCATION		SEC.		TWP.		RGE.	
MANUFACTURER	TYPE	STROKE LENGTH																
NO. 1 Emmer	D-500	16"	9 3/8		724		Feb 8/70		Aluminum etal island river		60-10'N -1200-15'W							
NO. 2 Chubb	214-P	14"					RIG NO. 43											
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.			5783		1		5783		1/4		1309°		6-6 1/4		50,000		8	
HOURS			5770		2 1/2													
DRILLER	W. Smith	8	NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT	
DERRICK	H. Thomas	8	55		STANDS		5196.98		FT.		7		8 3/4		C10		91703	
FLOOR	W. Ennoch	8	20		SINGLES				FT.									
FLOOR	D. Klabinsky	8	1		D.C.S		589.86		FT.									
FLOOR	A. Day	8	1		SUB		X0		3.66		FT.		MUD		12 MID.		2 A.M.	
FIREMAN			1		SUB		X0		2.18		FT.		WEIGHT		9.2			
MECHANIC					BIT OR C.B.				FT.		VISCOSITY		85					
INJURIES					KELLY IN		10.65		FT.		PUMP NO. 1							
											PUMP NO. 2							
											PUMP NO. 1		5 1/2"		PUMP NO. 2		5 1/2"	
			TOTAL		5775.00		FT.											
TOUR NO. 2 8 A.M. TO 4 P.M.			5784		36		5820		4 3/4		132		6-6 1/4		50		8	
HOURS			5784		36		5820		4 3/4		132		6-6 1/4		50		8	
DRILLER	J. E. Elliott	8	NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT	
DERRICK	P. Lorneau	8	55		STANDS				FT.		7		8 3/4		C10		91703	
FLOOR	N. Schuchert	8	2		SINGLES		5209.37		FT.									
FLOOR	S. Luby	8	20		D.C.S		589.86		FT.									
FLOOR	B. Bridges	8	1		SUB		X0		3.66		FT.		MUD		8 A.M.		10 A.M.	
FIREMAN			1		SUB		X0		2.18		FT.		WEIGHT		9.1		9.3	
MECHANIC					BIT OR C.B.				FT.		VISCOSITY		120		90		90	
INJURIES					KELLY IN		15		FT.		PUMP NO. 1		60		60		60	
											PUMP NO. 2		60		60		60	
			TOTAL		5820.01		FT.											
TOUR NO. 3 4 P.M. TO MIDNIGHT			5820		1		5820		132		6-6 1/4		50		8		34093	
HOURS			5820		1		5820		132		6-6 1/4		50		8		34093	
DRILLER	A. Pearson	8	NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT	
DERRICK	B. Ward	8	55		STANDS				FT.		7		8 3/4		C10		91703	
FLOOR	B. Day	8	2		SINGLES		5209.37		FT.									
FLOOR	H. Mathe	8	20		D.C.S		589.86		FT.									
FLOOR	E. Bratzel	8	1		SUB		X0		3.66		FT.		MUD		4 P.M.		6 P.M.	
FIREMAN			1		SUB		X0		2.18		FT.		WEIGHT		9.6		9.7	
MECHANIC					BIT OR C.B.				FT.		VISCOSITY		73		89		92	
INJURIES					KELLY IN		12		FT.		PUMP NO. 1		60		60		60	
											PUMP NO. 2		ON		GUNS			
			TOTAL		5820.01		FT.											
DRILL PIPE SIZE			4 1/2		TYPE		XH		TOTAL NO. OF JOINTS		241		DATE LAST SONOSCOPIED				TOTAL FOOTAGE DRILLED	
B.O.P.S. TESTED			Blind pipe		ELAPSED TIME		12 min		PRESSURE		1500		RESULTS		OK		TOTCO. RING ON BIT NO. 7	

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

REMARKS	START	STOP	INT	VAL
SURVEY	12.00	12.10	1/4	
Pull for Bit Change (Double Measure out) Check Blank & Paper Rammer	12.10	3.30	3 1/4	
Motor shuts off OK	4.15	6.30	2 1/4	
Run in w/ Bit	6.30	7.45	1 1/4	
Chase 55' Tool	7.45	8.00	1/4	
Change 2" valve on mud motor while out of hole				
Drill 8 3/4 Hole	8.00	12.45	4 3/4	
Log Sample at 5820	12.45	2.00	1 1/4	
Mix WT Material & CONDITION MUD	2.00	4.00	2	
Mix wt. material & condition mud	4.00	9.00	5	
Dummy Trip 15 stands, stay out hole for 1/2 hr.	9.00	10.45	1 3/4	
condition mud	10.45	12.00	1 1/4	
No Fall on Dummy Trip				
Maxim Bender & Log				
RED LINE HARDING 8 hrs				
Blow out Drill Held				

TOOLPUSHER J. Hildebrand
APPROVED BY J. E. Guyon

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Feb 7/70</u>		WELL NAME <u>Alkinson Island river</u>		DATE <u>Feb 7/70</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. _____													
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	START	STOP	INT VAL	
DRILLER	W. Smith	12	5390	116	5496	6	126,000	6-6 1/4	50,000	8	33857	46	33640	506	Feb 2	5460	278°	Rig Service - Check B.O.P.	12:00	12:15	1/4	
DERRICK	H. Thomas	12	52	STANDS	4858.50 FT.	6	8 3/4	2-11	20503	1X6	20/25	7 1/2	4806	5495	690	33		Drill	12:15	1:00	3/4	
FLOOR	W. Eward	12		SINGLES	FT.													Circ to survey	1:00	1:15	1/4	
FLOOR	D. Halakity	12	20	D.C.'S	589.86 FT.													Survey 5370 3°	1:15	2:00	3/4	
FLOOR	A. Day	12	1	SUB	3.66 FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS				Drill	2:00	7:15	5 1/4	
FIREMAN			1	SUB	2.18 FT.	WEIGHT	9.1	9.1	9.1	9.1	6.8	232	9.5	TOP TANK 5'8"				Survey 5460	7:30	8:00	1/2	
MECHANIC				BIT OR C.B.	FT.	VISCOSITY	58	63	68	74	ADDITIVES GEL-5300				BOTTOM TANK 1'2"							
INJURIES																						
TOTAL			5496.20	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	START	STOP	INT VAL	
DRILLER	J. Elliott	12	5496	170	5666	6 1/2	136,000	6-6 1/4	50,000	8	33857	46	33640	506	Feb 2	5560	278°	See Rig Check B.O.P. at Survey	8:00	8:30	1/2	
DERRICK	P. Lomieu	12	54	STANDS	5045.50 FT.	6	8 3/4	2-11	20503	1X6	20/30	6 1/2	4806	5666	860	395		Survey at 5460	8:30	12:00	3 1/2	
FLOOR	M. Shurchuk	12		SINGLES	FT.													Drill 8 3/4 Hole	12:00	12:15	1/4	
FLOOR	S. Lacey	12	20	D.C.'S	589.86 FT.													Survey at 5550	12:15	1:00	1/4	
FLOOR	B. Burgess	12	1	SUB	3.66 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS				Drill 8 3/4 Hole	1:00	4:00	3	
MECHANIC	LEASEE, Bratzel	8	1	SUB	2.18 FT.	WEIGHT	9.1	9.0	9.0	9.0	7.6	232	9.5									
INJURIES				BIT OR C.B.	FT.	VISCOSITY	86	70	62	60	ADDITIVES 550# GEL											
TOTAL			5666.20	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	START	STOP	INT VAL	
DRILLER			5666	108	5774	5 1/2	130,000	6-6 1/4	50,000	8	33857	46	33640	506	Feb 2	5770	278°	Drill 8 3/4 Hole	4:00	4:30	1/2	
DERRICK			55	STANDS	5137.98 FT.	6	8 3/4	2-11	20503	1X6	20/30	7 1/2	4806	5773	968	45		by Survey	4:30	4:45	1/4	
FLOOR				SINGLES	FT.													Survey at 5650	4:45	5:15	1/2	
FLOOR			20	D.C.'S	589.86 FT.													Drill 8 3/4 Hole	5:15	10:15	5	
FLOOR			1	SUB	3.66 FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS								
FIREMAN			1	SUB	2.18 FT.	WEIGHT	9.1	9.0	9.0	9.0	10.0	232	9.5	RED LINE HOLDINGS 12 hrs.				Circ to survey	10:15	10:45	1/4	
MECHANIC				BIT OR C.B.	FT.	VISCOSITY	64	62	68	68	ADDITIVES weight material- 130 120 bags				Pump for Bit Change							
INJURIES																		Circ and Conn. Mud.	11:15	12:00	3 1/4	
TOTAL			5774.00	FT.																		
TOOLPUSHER			J. H. Gibson																			
APPROVED BY			R. E. Langdon																			

DAY WORK RECORD

DATE Feb 16-70 REPORT NO. 15

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

PUMPS				WELL NAME <u>Atkinson et al island river</u>										DATE <u>Feb 6-70</u>		REPORT NO. <u>15</u>																							
MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE <u>Feb 6/70</u>		RIG NO. <u>#3</u>		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.																						
TOUR NO. 1 MIDNIGHT TO 8 A.M.				HOURS		FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND OF D.C. WEIGHT		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS DEGREES		REMARKS		TIME	
TOUR NO. 1 MIDNIGHT TO 8 A.M.				HOURS		FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND OF D.C. WEIGHT		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				12		4963		126		5089		5 1/2		122 5/8		14-6 1/4		50,000		8		33857		46		33640		506		Feb 3		4985		4 1/2		Big Service - Check B.C.P.		12:00 12:15 1/4	
DERRICK				12		449		STANDS		FT.		6		8 3/4		2-11		20503		X16		20m		80		4906		5089		283		13 3/4		Drill		12:15 1:00 3/4			
FLOOR				12		2		SINGLES		4453.11		FT.																						Circ. to run Survey		1:00 1:15 1/4			
FLOOR				12		20		D.C.'S		589.86		FT.																						Survey C 4985 - 4°		1:15 2:00 3/4			
FLOOR				12		20		D.C.'S		589.86		FT.																						WORK ON PUMP		2:00 2:30 1/2			
FLOOR				12		20		D.C.'S		589.86		FT.																						Drill		2:30 7:15 4 3/4			
FLOOR				12		20		D.C.'S		589.86		FT.																						FUEL TOP TANK 5-10"		7:15 7:30 1/4			
FIREMAN				12		20		D.C.'S		589.86		FT.																						Bottom Tank 3-10"		7:30 8:00 1/2			
MECHANIC				12		20		D.C.'S		589.86		FT.																											
INJURIES				12		20		D.C.'S		589.86		FT.																											
TOUR NO. 2 8 A.M. TO 4 P.M.				HOURS		FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND OF D.C. WEIGHT		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS DEGREES		REMARKS		TIME	
TOUR NO. 2 8 A.M. TO 4 P.M.				HOURS		FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND OF D.C. WEIGHT		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				12		5089		15.7		5244		6 3/4		125 5/8		14x6 1/4		50		8		33857		46		33640		506		Feb 3		5182		4		Ser Rex Check B.C.P.		8:00 8:15 1/4	
DERRICK				12		449		STANDS		FT.		6		8 3/4		2-11		20503		X16		25		80		4806		5244		438		20 1/2		Drill		8:15 1:30 5 1/4 5 3/4			
FLOOR				12		1		SINGLES		4609.72		FT.																								Pump his Survey		1:30 1:45 1/4	
FLOOR				12		20		D.C.'S		589.86		FT.																								Survey at 15180		1:45 2:30 3/4	
FLOOR				12		20		D.C.'S		589.86		FT.																								Drill 8 3/4 Hole		2:30 4:00 1 1/2 1 1/2	
FLOOR				12		20		D.C.'S		589.86																													

DAY WORK RECORD

DATE Feb 5-70 REPORT NO. 14

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

PUMPS				WELL NAME <u>Atkinson et al island river</u>										DATE <u>Feb 5-70</u>										REPORT NO. <u>10</u>																			
MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE		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 <u>Emaco</u>		<u>D500</u>	<u>16"</u>	<u>9 7/8</u>		<u>724</u>		<u>Thurs</u>		<u>33696</u>		<u>46</u>		<u>33640</u>		<u>506</u>		<u>Drill</u>																									
NO. 2 <u>Emaco</u>		<u>214P</u>	<u>14"</u>	<u>9 7/8</u>		<u>724</u>		<u>Thurs</u>		<u>33696</u>		<u>46</u>		<u>33640</u>		<u>506</u>		<u>Drill</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.		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 <u>A. Pearson</u>		<u>8</u>		<u>4700</u>		<u>106</u>		<u>4806</u>		<u>7 7/8</u>		<u>120</u>		<u>6-6 1/4</u>		<u>50900</u>		<u>8</u>		<u>33696</u>		<u>46</u>		<u>33640</u>		<u>506</u>		<u>Feb 3</u>		<u>4496</u>		<u>3 1/4</u>		<u>Drill</u>									
DERRICK <u>B. Ward</u>		<u>8</u>		<u>44</u>		<u>STANDS</u>		<u>FT.</u>		<u>5</u>		<u>8 1/4</u>		<u>3-11</u>		<u>19731</u>		<u>X10</u>		<u>45</u>		<u>80</u>		<u>4173</u>		<u>4806</u>		<u>633</u>		<u>34 3/4</u>		<u></u>		<u>Drill</u>									
FLOOR <u>B. Nay</u>		<u>8</u>		<u>2</u>		<u>SINGLES</u>		<u>4170.22</u>		<u>FT.</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u>Drill</u>									
FLOOR <u>H. Melthe</u>		<u>8</u>		<u>20</u>		<u>D.C.'S</u>		<u>589.86</u>		<u>FT.</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u>Drill</u>									
FLOOR <u>H. Peterson</u>		<u>8</u>		<u>1</u>		<u>SUB XO</u>		<u>3.66</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>		<u>GENERAL REMARKS</u>		<u></u>		<u></u>		<u>Drill</u>									
FIREMAN		<u>8</u>		<u>1</u>		<u>SUB XO</u>		<u>2.18</u>		<u>FT.</u>		<u>WEIGHT</u>		<u>90</u>		<u>9.0</u>		<u>9.0</u>		<u>9.0</u>		<u>7.1</u>		<u>32</u>		<u>9.5</u>		<u>Fuel top 50"</u>		<u></u>		<u></u>		<u>Drill</u>									
MECHANIC		<u>8</u>		<u>1</u>		<u>BIT OR C.B.</u>		<u>FT.</u>		<u>VISCOSITY</u>		<u>67</u>		<u>6.5</u>		<u>6.3</u>		<u>6.5</u>		<u>ADDITIVES</u>		<u>C.M.C. - 50#</u>		<u>"</u>		<u>bottom 40"</u>		<u></u>		<u></u>		<u></u>		<u>Drill</u>									
INJURIES		<u>8</u>		<u>1</u>		<u>KELLY IN</u>		<u>41.00</u>		<u>FT.</u>		<u>PUMP PRESSURE</u>		<u>750</u>		<u>750</u>		<u>750</u>		<u>750</u>		<u>GEL - 5600#</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u>Drill</u>									
TOTAL		<u>4806.92</u>		<u>FT.</u>		<u>PUMP NO. 1</u>		<u>5 1/2</u>		<u>PUMP NO. 2</u>		<u>5 1/2</u>		<u>CAUSTIC - 100#</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u>Drill</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.		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 <u>W. Smith</u>		<u>8</u>		<u>4806</u>		<u>47</u>		<u>4853.00</u>		<u>3</u>		<u>120500</u>		<u>6-6 1/4</u>		<u>50000</u>		<u>8</u>		<u>33257</u>		<u>46</u>		<u>33640</u>		<u>506</u>		<u>Feb 3</u>		<u>4700</u>		<u>3 1/2</u>		<u>Drill</u>									
DERRICK <u>H. Thomas</u>		<u>8</u>		<u>45</u>		<u>STANDS</u>		<u>FT.</u>		<u>5</u>		<u>8 1/4</u>		<u>3-11</u>		<u>19731</u>		<u>X16</u>		<u>45</u>		<u>80</u>		<u>4173</u>		<u>4806</u>		<u>633</u>		<u>34 3/4</u>		<u></u>		<u>Drill</u>									
FLOOR <u>W. Busch</u>		<u>8</u>		<u>1</u>		<u>SINGLES</u>		<u>4231.91</u>		<u>FT.</u>		<u>6</u>		<u>8 1/4</u>		<u>2-12</u>		<u>20503</u>		<u>X16</u>		<u>20</u>		<u>75</u>																			

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Feb 4-70 REPORT NO. 13

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		LOCATION		SEC.	TWP.	RGE.	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	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING	NO.	DRILLING STRING			
TOUR NO. 1 MIDNIGHT TO 8 A.M.		8	4340	124	4464	6	15	6-6 1/4	50.00	8	33696	46	33640	506	3400	1 1/2	Drill						12:00	1:15	1 1/4
DRILLER		8	R. Pearson																				1:15	1:30	1/4
DERRICK		8	B. Ward																				1:30	2:15	3/4
FLOOR		8	A. Day																				2:15	3:45	1 1/2
FLOOR		8	H. Milke																				3:45	4:00	1/4
FLOOR		8	H. Peterson																				4:00	4:30	1/2
FIREMAN		8																					4:30	4:45	1/4
MECHANIC		8																					4:45	8:00	3 1/4
INJURIES		8																							
TOTAL		8	4464-50 FT.																						
TOUR NO. 2 8 A.M. TO 4 P.M.		8	4464	103	4567	6 1/4	1 1/2	6-6 1/4	50.00	8	33696	46	33640	506	3400	3/4	Rig Service & Check B.O.P.						8:00	8:15	1 1/4
DRILLER		8	W. Smith																				8:15	1:00	4 1/4
DERRICK		8	H. Thomas																				1:00	1:15	1/4
FLOOR		8	W. Erach																				1:15	1:45	1/2
FLOOR		8	D. Halvick																				1:45	2:30	3/4
FLOOR		8	A. Day																				2:30	3:45	1 1/2
FIREMAN		8																					3:45	4:00	3/4
MECHANIC		8																							
INJURIES		8																							
TOTAL		8	4567-00 FT.																						
TOUR NO. 3 4 P.M. TO MIDNIGHT		8	4567	131	4700	7 3/4	1 1/2	6-6 1/4	50.00	8	33696	46	33640	506	3400	3/4	Drill 834 3/4						4:00	5:00	1
DRILLER		8	J. Elliott																				5:00	5:15	1/4
DERRICK		8	P. Leonard																				5:15	5:30	1/4
FLOOR		8	W. Shewchuk																				5:30	5:45	1/4
FLOOR		8	S. Luker																				5:45	6:00	1/4
FLOOR		8	B. Burges																						
FIREMAN		8																							
MECHANIC		8																							
INJURIES		8																							
TOTAL		8	4700-96 FT.																						
DRILL PIPE SIZE		4 1/2																							
B.O.P.'S TESTED		Calore																							
ELAPSED TIME		3:00																							
PRESSURE		oil																							
RESULTS		OK																							
TOTCO RING ON BIT NO.																									
TOOLPUSHER		Blake Locking																							
APPROVED BY		R. G. Geyer																							

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
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NO. 1 <i>Emas</i>	<i>D500</i>	<i>16"</i>
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NO. 2 <i>Midwell</i>	<i>914</i>	<i>14"</i>
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EACH EMPLOYEE MUST SIGN THIS BOOK

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

DRILLER *C. Pearson*

DERRICK *B. Ward*

FLOOR *B. Day*

FLOOR *H. M. McKe*

FLOOR *S. Luky*

FIREMAN

MECHANIC

INJURIES

LAST CASING SIZE	LAST CASING SET AT
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<i>9 3/8</i>	<i>724</i>
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FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM
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<i>4102</i>	<i>65</i>	<i>4167</i>	<i>6 1/2</i>
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NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS
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<i>38</i>	<i>STANDS</i>		<i>3588.61 FT.</i>	<i>4</i>	<i>8 3/4</i>	<i>2-11</i>	<i>HH 476</i>	<i>XV</i>	<i>15</i>	<i>50</i>	<i>3875</i>	<i>4167</i>	<i>292</i>	<i>22 1/2</i>
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<i>1</i>	<i>SINGLES</i>													
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<i>20</i>	<i>D.C.'S</i>		<i>589.86</i>											
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<i>1</i>	<i>SUB</i>		<i>3.66</i>											
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<i>1</i>	<i>SUB</i>		<i>2.18</i>											
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	<i>BIT OR C.B.</i>													
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DATE *Feb 3-70*

RIG NO. *Three*

LOCATION *LS1*

SEC. *1*

TWP. *1*

RGE. *1*

WELL NAME *Atkinson et al island river*

60° 10' N - 120° 15' W

DATE OF LAST CUT *Jan 22*

AT *4100*

SURVEYS *2 1/2*

DEGREES *2°*

REMARKS *Survey*

Rig Service + B.O.P's

Drill

circ. to survey

Run survey c 4160

Drill

Survey

Rig Service + B.O.P's

Drill

circ. to survey

Run survey c 4160

Drill

Survey

Rig Service + B.O.P's

Drill

circ. to survey

Run survey c 4160

Drill

Survey

Rig Service + B.O.P's

Drill

circ. to survey

Run survey c 4160

Drill

Survey

Rig Service + B.O.P's

Drill

circ. to survey

Run survey c 4160

Drill

Survey

Rig Service + B.O.P's

Drill

circ. to survey

Run survey c 4160

Drill

Survey

Rig Service + B.O.P's

Drill

circ. to survey

DATE *Feb 3-70* REPORT NO. *12*

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

REMARKS

START STOP INT VAL

12 00 12 30 1/2

12 30 12 45 1/4

12 45 6 43 6

6 43 7 00 1/4

7 00 7 30 1/2

7 30 8 00 1/2

8 00 8 15 1/4

8 15 8 30 1/4

8 30 11 00 2 1/2

11 00 11 30 1/2

11 30 12 30 1

12 30 2 30 2

2 30 3 00 1/2

3 00 4 00 1

4 00 6 00 2 2

6 00 6 15 1/4

6 15 6 30 1/4

6 30 7 30 3 3

7 30 9 45 4

9 45 10 15 1/2

10 15 12 00 1 3/4 1 3/4

12 00 12 30 1/2

12 30 12 45 1/4

12 45 6 43 6

6 43 7 00 1/4

7 00 7 30 1/2

7 30 8 00 1/2

8 00 8 15 1/4

8 15 8 30 1/4

8 30 11 00 2 1/2

11 00 11 30 1/2

11 30 12 30 1

12 30 2 30 2

2 30 3 00 1/2

3 00 4 00 1

4 00 6 00 2 2

6 00 6 15 1/4

6 15 6 30 1/4

6 30 7 30 3 3

7 30 9 45 4

9 45 10 15 1/2

10 15 12 00 1 3/4 1 3/4

DRILL PIPE SIZE *4 1/2*

TYPE *X 1/4*

B.O.P.'S TESTED *below*

TOTAL NO. OF JOINTS *241*

DATE LAST SONOSCOPIED

ELAPSED TIME *open*

FOOTAGE DRILLED SINCE LAST SONOSCOPIED *27,944*

TOTAL FOOTAGE DRILLED

LAST CALIPER DATE

RESULTS

TOTCO RING ON BIT NO.

RESULTS *OK*

TOOLPUSHER *Blake Locking*

APPROVED BY *R. E. Guyon*

TOOLPUSHER

APPROVED BY

TOOLPUSHER

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE		WELL NAME		DATE		REPORT NO.	
MANUFACTURER	TYPE	STROKE LENGTH								
NO. 1 <i>Emsco</i>	<i>D500</i>	<i>16"</i>			<i>60°-10'N-120°-15'W</i>					
NO. 2 <i>Wilbur</i>	<i>214P</i>	<i>14"</i>								
EACH EMPLOYEE MUST SIGN THIS BOOK			RIG NO. <i>1001</i>		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.			
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS			DATE <i>Feb 2-70</i>							
DRILLER <i>A. Larson</i>	<i>8</i>	<i>3875</i>	<i>16</i>	<i>3891</i>	<i>2 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>1</i>	<i>8</i>
DERRICK <i>B. Ward</i>	<i>8</i>	<i>3875</i>	<i>16</i>	<i>3891</i>	<i>2 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>1</i>	<i>8</i>
FLOOR <i>B. Day</i>	<i>8</i>	<i>3875</i>	<i>16</i>	<i>3891</i>	<i>2 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>1</i>	<i>8</i>
FLOOR <i>H. Melthi</i>	<i>8</i>	<i>3875</i>	<i>16</i>	<i>3891</i>	<i>2 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>1</i>	<i>8</i>
FLOOR <i>B. Burgess</i>	<i>8</i>	<i>3875</i>	<i>16</i>	<i>3891</i>	<i>2 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>1</i>	<i>8</i>
FIREMAN										
MECHANIC										
INJURIES										
TOTAL <i>3891.00</i>										
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS			DATE <i>Feb 2-70</i>							
DRILLER <i>W. Smith</i>	<i>8</i>	<i>3891</i>	<i>85</i>	<i>3979</i>	<i>6 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>33585</i>
DERRICK <i>H. Thomas</i>	<i>8</i>	<i>3891</i>	<i>85</i>	<i>3979</i>	<i>6 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>33585</i>
FLOOR <i>W. Cwack</i>	<i>8</i>	<i>3891</i>	<i>85</i>	<i>3979</i>	<i>6 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>33585</i>
FLOOR <i>D. Haladisky</i>	<i>8</i>	<i>3891</i>	<i>85</i>	<i>3979</i>	<i>6 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>33585</i>
FLOOR <i>A. Day</i>	<i>8</i>	<i>3891</i>	<i>85</i>	<i>3979</i>	<i>6 3/4</i>	<i>102</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>33585</i>
FIREMAN										
MECHANIC										
INJURIES										
TOTAL <i>3979.00</i>										
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS			DATE <i>Feb 2-70</i>							
DRILLER <i>F. Elliott</i>	<i>8</i>	<i>3979</i>	<i>123</i>	<i>4102</i>	<i>6 1/2</i>	<i>104</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>46</i>
DERRICK <i>P. Lomeau</i>	<i>8</i>	<i>3979</i>	<i>123</i>	<i>4102</i>	<i>6 1/2</i>	<i>104</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>46</i>
FLOOR <i>N. Shewchuk</i>	<i>8</i>	<i>3979</i>	<i>123</i>	<i>4102</i>	<i>6 1/2</i>	<i>104</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>46</i>
FLOOR <i>B. Burgess</i>	<i>8</i>	<i>3979</i>	<i>123</i>	<i>4102</i>	<i>6 1/2</i>	<i>104</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>46</i>
FLOOR <i>H. Peterson</i>	<i>8</i>	<i>3979</i>	<i>123</i>	<i>4102</i>	<i>6 1/2</i>	<i>104</i>	<i>6-6 3/4</i>	<i>50</i>	<i>8</i>	<i>46</i>
FIREMAN										
MECHANIC										
INJURIES										
TOTAL <i>4102.94</i>										
DRILL PIPE SIZE <i>4 1/2</i>	TYPE <i>XH</i>	TOTAL NO. OF JOINTS <i>251</i>	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED <i>387539</i>	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING		
B.O.P.'S TESTED <i>close</i>	ELAPSED TIME <i>open</i>	PRESSURE <i>nil</i>	RESULTS <i>ok</i>	TOTCO RING ON BIT NO.						

TOOLPUSHER *J. Hillbard*
APPROVED BY *P. G. Gagnier*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS				DATE <u>Feb 1-70</u>		WELL NAME <u>Johnson Lake Island River</u>		DATE <u>Feb 1-70</u>		REPORT NO. <u>10</u>														
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE	LAST CASING SET AT	RIG NO. <u>Three</u>	LOCATION <u>60° 10' N - 120° - 15' W</u>	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	Enasco	D500	16"																					
NO. 2	Enasco	314P	14"	9 5/8	724																			
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	A. Pearson	8	3520	123	3643	7 3/4	92.000	14-6 1/4	50.000		8	33468	46	33165	552	Jan 22	3300	7 1/2	Drill	12.00	1.30	1 1/2		
DERRICK	B. Ward	8	32	STANDS	FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	3643	343	24 1/4			Drill	1.30	1.45	1/4		
FLOOR	B. Day	8	1	SINGLES	3031.06																			
FLOOR	H. Mulke	8	20	D.C.'S	589.86																			
FLOOR	B. Burgess	8	1	SUB X.O	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.8	8.8	8.8	8.8	10.0	3/32	9.5	Fuel top 50"									
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	42	40	41	43	WATER												
INJURIES																								
TOTAL				3643.60	FT.																			
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	START	STOP	INT. VAL.
DRILLER	W. Smith	12	3643	119	3762	7	100.000	6-6 1/4	56.000		8	33468	46	33165	552	Jan 22	3667	1 1/2	Drill	8.00	9.15	1 1/4		
DERRICK	H. Thomas	12	33	STANDS	3094.38	FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	3762	462	31 3/4			Drill	9.15	9.30	1/4	
FLOOR	W. Puvach	12	1	SINGLES	31.05	FT.														Drill	9.30	11.15	1 3/4	
FLOOR	D. Halabiky	12	20	D.C.'S	589.86	FT.														Drill	11.15	12.00	3/4	
FLOOR	A. Day	12	1	SUB X.O	3.66	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.7	8.7	8.8	8.8	9.6	3/32	9.5										
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	64	52	46	46	ADDITIVES												
INJURIES																								
TOTAL				3762.00	FT.																			
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	START	STOP	INT. VAL.
DRILLER	A. Pearson	4	3762	113	3875	7 1/4	100.000	6-6 1/4	50.000		1	4	33585	46	33165	552	Jan 22	3870		Drill	4.00	4.15	1/4	
DERRICK	B. Ward	4	34	STANDS		FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	3875	575	39			Drill	4.15	11.30	7 1/4	
FLOOR	B. Day	4	2	SINGLES	3250.05															Drill	11.30	12.00	1 1/2	
FLOOR	H. Mulke	4	20	D.C.'S	589.86	FT.																		
FLOOR	B. Burgess	4	1	SUB X.O	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.8	8.8	8.8	8.8	9.6	3/32		Mud in Remains 15 lbs									
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	42	40	39	42	ADDITIVES - Aust. 100#												
INJURIES																								
TOTAL				3875	FT.																			
TOUR NO. 4 12 A.M. 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	A. Pearson	4	3875	113	3988	7 1/4	100.000	6-6 1/4	50.000		1	4	33585	46	33165	552	Jan 22	3980		Drill	4.00	4.15	1/4	
DERRICK	B. Ward	4	34	STANDS		FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	3988	575	39			Drill	4.15	11.30	7 1/4	
FLOOR	B. Day	4	2	SINGLES	3250.05															Drill	11.30	12.00	1 1/2	
FLOOR	H. Mulke	4	20	D.C.'S	589.86	FT.																		
FLOOR	B. Burgess	4	1	SUB X.O	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.8	8.8	8.8	8.8	9.6	3/32		Mud in Remains 15 lbs									
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	42	40	39	42	ADDITIVES - Aust. 100#												
INJURIES																								
TOTAL				3988	FT.																			
TOUR NO. 5 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	START	STOP	INT. VAL.
DRILLER	A. Pearson	4	3988	113	4101	7 1/4	100.000	6-6 1/4	50.000		1	4	33585	46	33165	552	Jan 22	4100		Drill	4.00	4.15	1/4	
DERRICK	B. Ward	4	34	STANDS		FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	4101	575	39			Drill	4.15	11.30	7 1/4	
FLOOR	B. Day	4	2	SINGLES	3250.05															Drill	11.30	12.00	1 1/2	
FLOOR	H. Mulke	4	20	D.C.'S	589.86	FT.																		
FLOOR	B. Burgess	4	1	SUB X.O	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.8	8.8	8.8	8.8	9.6	3/32		Mud in Remains 15 lbs									
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	42	40	39	42	ADDITIVES - Aust. 100#												
INJURIES																								
TOTAL				4101	FT.																			
TOUR NO. 6 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	START	STOP	INT. VAL.
DRILLER	A. Pearson	4	4101	113	4214	7 1/4	100.000	6-6 1/4	50.000		1	4	33585	46	33165	552	Jan 22	4210		Drill	4.00	4.15	1/4	
DERRICK	B. Ward	4	34	STANDS		FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	4214	575	39			Drill	4.15	11.30	7 1/4	
FLOOR	B. Day	4	2	SINGLES	3250.05															Drill	11.30	12.00	1 1/2	
FLOOR	H. Mulke	4	20	D.C.'S	589.86	FT.																		
FLOOR	B. Burgess	4	1	SUB X.O	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.8	8.8	8.8	8.8	9.6	3/32		Mud in Remains 15 lbs									
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	42	40	39	42	ADDITIVES - Aust. 100#												
INJURIES																								
TOTAL				4214	FT.																			
TOUR NO. 7 12 A.M. 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	A. Pearson	4	4214	113	4327	7 1/4	100.000	6-6 1/4	50.000		1	4	33585	46	33165	552	Jan 22	4320		Drill	4.00	4.15	1/4	
DERRICK	B. Ward	4	34	STANDS		FT.	3	8 3/4	2 1/10	19718	X16	50	50	3300	4327	575	39			Drill	4.15	11.30	7 1/4	
FLOOR	B. Day	4	2	SINGLES	3250.05															Drill	11.30	12.00	1 1/2	
FLOOR	H. Mulke	4	20	D.C.'S	589.86	FT.																		
FLOOR	B. Burgess	4	1	SUB X.O	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS									
FIREMAN			1	SUB X.O	2.18	FT.	WEIGHT	8.8	8.8	8.8	8.8	9.6	3/32		Mud in Remains 15 lbs									
MECHANIC				BIT OR C.B.		FT.	VISCOSITY	42	40	39	42	ADDITIVES - Aust. 100#												
INJURIES																								
TOTAL				4327	FT.																			
TOUR NO. 8 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						

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emaco</i>	<i>D500</i>	<i>16"</i>
NO. 2 <i>Emaco</i>	<i>214P</i>	<i>14"</i>

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

DRILLER <i>A. Pearson</i>	<i>8</i>
DERRICK <i>B. Ward</i>	<i>8</i>
FLOOR <i>B. Day</i>	<i>8</i>
FLOOR <i>H. Mittle</i>	<i>8</i>
FLOOR <i>B. Burgess</i>	<i>8</i>
FIREMAN	
MECHANIC	
INJURIES	

LAST CASING SIZE	LAST CASING SET AT
<i>9 3/8</i>	<i>724</i>

DATE *Jan 31-70*

WELL NAME *Alkinson stal island River*

DATE *Jan 31-70*

REPORT NO. *9*

RIG NO. *1111*

LOCATION LSD. *60°-10'N - 120°-15'W*

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

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		
3300	25	3325	1 1/2		6-6 3/4 14-1 1/4	50.000		8	33468	46	33165	552	Jan 22	3300		98		
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAM-ED TO	CONDIT-ION
	STANDS		FT.	3	8 3/4	2-11 1-10	192718	X10	42	50	3300	3325	25	1 1/2				
	SINGLES		FT.															
20	D.C.'S		584.8 FT.															
1	SUB	XO	3.66 FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
1	SUB	XO	2.18 FT.	WEIGHT				8 1/2	12	2 1/2	9.5	Fuel Tap 65"						
	BT OR C.B.		FT.	VISCOSITY				38	ADDITIVES			" bottom 69"						
			FT.	PUMP PRESSURE														
	KELLY IN	41.	FT.	R.P.M. PUMP NO. 1														
				R.P.M. PUMP NO. 2														
TOTAL				33251	46	FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE									

REMARKS	START	STOP	INT VAL
<i>Replace seal in downworks</i>	<i>12:00</i>	<i>4:00</i>	<i>4 1/4</i>
<i>Rig service: B.O.T.</i>	<i>4:15</i>	<i>4:30</i>	<i>1/4</i>
<i>Relax in</i>	<i>4:30</i>	<i>5:30</i>	<i>1</i>
<i>Brush circ and clean 90'</i>	<i>5:30</i>		
<i>top bottom</i>		<i>6:30</i>	<i>1</i>
<i>Drill</i>	<i>6:30</i>	<i>8:00</i>	<i>1 1/2</i>

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

DRILLER <i>W. Smith</i>	<i>12</i>
DERRICK <i>H. Thomas</i>	<i>12</i>
FLOOR <i>W. Ewack</i>	<i>12</i>
FLOOR <i>D. Valabisky</i>	<i>12</i>
FLOOR <i>A. Day</i>	<i>12</i>
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	
3325	103	3428	7 3/4	95.000	6-6 3/4 14-6 3/4	50.000		8	33468	46	33165	552	Jan-22				
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
30	STANDS	2813.73	FT.	3	8 3/4	2-11 1-10	19718	X16	50	50	3300	3428	128	9 1/4			
	SINGLES		FT.														
20	D.C.'S	589.86	FT.														
1	SUB X O	3.66	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X O	2.18	FT.	WEIGHT	868.7	860	86	8.8	7/32	9.5							
	BIT OR C.B.		FT.	VISCOSITY	46	47	47	73	ADDITIVES	WATER	CHANGE ROD PACKING ON D SEC						
			FT.	PUMP PRESSURE	1100	1100	1150	1150	OFF FLY WHEEL SIDE								
	KELLY IN	18.58	FT.	R.P.M. PUMP NO.1	59	59	59	59									
			FT.	R.P.M. PUMP NO.2	ON GUNS												
			FT.	PUMP NO. 1 LINER SIZE	5 1/2		PUMP NO. 2 LINER SIZE	5 1/2									
TOTAL		3428.00															

REMARKS	START	STOP	INT VAL
<i>Rig Service & check B.O.P.S</i>	<i>8:00</i>	<i>8:15</i>	<i>1/4</i>
<i>Drilling</i>	<i>8:15</i>	<i>4:00</i>	<i>7 3/4</i>

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

DRILLER <i>A. Pearson</i>	<i>4</i>
DERRICK <i>B. Ward</i>	<i>4</i>
FLOOR <i>B. Day</i>	<i>4</i>
FLOOR <i>H. Mittle</i>	<i>4</i>
FLOOR <i>B. Burgess</i>	<i>4</i>
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	DEGREE			
3428	95'	3523	7 3/4	95.000	6-6 3/4	50.000		8	33468	46	33165	552	Jan 22					
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
31	STANDS	2408.18'	3	8 3/4	2-11 1-16	19718	X 16	50	50	3300	3523	223	17					sum
	SINGLES	FT.																
20	D.C.'S	589.86	FT.															
1	SUB	XO	2.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB	XO	2.15	FT.	WEIGHT	8.7	8.7	8.8	8.8	100	3/32	9.5	RED LINE RECORDINGS - 16 hrs.					
	BIT OR C.B.		FT.	VISCOSITY	41	39	37	40	ADDITIONS	WATER - DEN-EX-8#			Main in Romanos 14 hrs					
			FT.	PUMP PRESSURE	1400	1400	1400	1400	GEL-2000*									
	KELLY IN	16.12	FT.	R.P.M. PUMP NO. 1	60	60	60	60	NOSTIK-1 1/2 gal									
				R.P.M. PUMP NO. 2	ON	GUNS			CAUSTIC-100*									
TOTAL		3520.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2	C.M.C. 1111-50*										

REMARKS	START	STOP	INT VAL
<i>Rig Service</i>	<i>4:00</i>	<i>4:15</i>	<i>1/4</i>
<i>Drilling</i>	<i>4:15</i>	<i>12:00</i>	<i>7 3/4</i>

DRILL PIPE SIZE <i>4 1/2</i>	TYPE <i>XH</i>	TOTAL NO. OF JOINTS <i>241</i>	DATE LAST SONOSCOPED <i>Dec 68</i>	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.				

TOOLPUSHER *A. Hill*
APPROVED BY *R. E. Gryn*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS				DATE <u>Jan 30/70</u>		WELL NAME <u>Atkinson ET AL Island Paris</u>		DATE <u>Jan 30/70</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.	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								REMARKS		TIME						
DRILLER	<u>J. Elliott</u>	<u>8</u>	<u>3097</u>	<u>109</u>	<u>3206</u>	<u>64</u>	<u>75</u>	<u>16</u>	<u>55</u>	<u>8</u>	<u>33338</u>	<u>46</u>	<u>37165</u>	<u>552</u>	<u>Jan 22</u>	<u>Drill 8 3/4 Hole</u>	<u>12</u>	<u>12</u>	<u>3</u>	
DERRICK	<u>P. Linn</u>	<u>8</u>	<u>26</u>	STANDS	FT.	<u>2</u>	<u>8 3/4</u>	<u>2-10</u>	<u>19725</u>	<u>X16</u>	<u>50</u>	<u>50</u>	<u>2408</u>	<u>3206</u>	<u>798</u>	<u>33</u>	<u>Drill 8 3/4 Hole</u>	<u>12</u>	<u>12</u>	<u>3</u>
FLOOR	<u>N. Shuchuk</u>	<u>8</u>	<u>2</u>	SINGLES	FT.	<u>2501.8</u>											<u>Replace 4" Cameron on</u>	<u>23</u>		
FLOOR	<u>L. Baranich</u>	<u>8</u>	<u>23</u>	D.C.'S	FT.	<u>681.94</u>											<u>Mud Manifold</u>	<u>400</u>	<u>4</u>	<u>4</u>
FLOOR	<u>B. Burgess</u>	<u>8</u>	<u>1</u>	SUB X0	FT.	<u>3.66</u>	MUD	<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					
FIREMAN			<u>1</u>	SUR X0	FT.	<u>2.18</u>	WEIGHT	<u>8.5</u>	<u>8.5</u>	<u>8.6</u>	<u>8.6</u>	<u>12</u>	<u>2/32</u>	<u>9.5</u>	CHANGED HEAD RUBBER 214P					
MECHANIC				BIT OR C.B.	FT.		VISCOSITY	<u>45</u>	<u>40</u>	<u>38</u>	<u>35</u>	ADDITIVES		GEL-FINWHEEL SIDE						
INJURIES				KELLY IN	FT.	<u>1.7</u>	PUMP NO. 1	<u>60</u>	<u>60</u>	<u>60</u>	<u>60</u>	PUMP NO. 2								
TOTAL				<u>3206.65</u>	FT.		PUMP NO. 1 LINER SIZE	<u>5 1/2</u>	PUMP NO. 2 LINER SIZE	<u>5 1/2</u>										
TOUR NO. 2 8 A.M. TO 4 P.M.				HOURS								REMARKS		TIME						
DRILLER	<u>A. Pearson</u>	<u>8</u>	<u>3206</u>	<u>94</u>	<u>3306</u>	<u>6</u>	<u>95</u>	<u>17-6 1/4</u>	<u>55.000</u>	<u>8</u>	<u>33338</u>	<u>46</u>	<u>33165</u>	<u>552</u>	<u>Jan 22</u>	<u>Drill</u>	<u>9</u>	<u>45</u>	<u>1 3/4</u>	
DERRICK	<u>B. Wood</u>	<u>8</u>	<u>27</u>	STANDS	FT.	<u>2</u>	<u>8 3/4</u>	<u>2-10</u>	<u>19725</u>	<u>X16</u>	<u>45</u>	<u>50</u>	<u>2468</u>	<u>3000</u>	<u>892</u>	<u>39</u>	<u>Rig set; B.O.P.</u>	<u>9</u>	<u>45</u>	<u>1 3/4</u>
FLOOR	<u>B. Day</u>	<u>8</u>	<u>2</u>	SINGLES	FT.	<u>2595.28</u>											<u>install new motor of pump</u>	<u>10</u>	<u>11</u>	<u>1 1/4</u>
FLOOR	<u>H. Milke</u>	<u>8</u>	<u>23</u>	D.C.'S	FT.	<u>681.94</u>											<u>Drill</u>	<u>11</u>	<u>30</u>	<u>4 1/4</u>
FLOOR	<u>H. Comeau</u>	<u>2</u>	<u>1</u>	SUB X0	FT.	<u>2.66</u>	MUD	<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		<u>size to survey</u>	<u>3</u>	<u>30</u>	<u>1 1/4</u>
FIREMAN			<u>1</u>	SUR X0	FT.	<u>2.18</u>	WEIGHT	<u>8.8</u>	<u>8.8</u>	<u>8.8</u>	<u>8.7</u>			<u>9.5</u>			<u>loop survey</u>	<u>3</u>	<u>45</u>	<u>1 1/4</u>
MECHANIC				BIT OR C.B.	FT.		VISCOSITY	<u>30</u>	<u>35</u>	<u>39</u>	<u>39</u>	WATER ADDITIVES		GEL-5500#						
INJURIES	<u>H. Comeau</u>			KELLY IN	FT.	<u>16.97</u>	PUMP NO. 1	<u>60</u>	<u>60</u>	<u>60</u>	<u>60</u>	PUMP NO. 2		C.M.C. H.V.I.C-50#						
TOTAL				<u>3300.00</u>	FT.		PUMP NO. 1 LINER SIZE	<u>5 1/2</u>	PUMP NO. 2 LINER SIZE	<u>5 1/2</u>										
TOUR NO. 3 4 P.M. TO MIDNIGHT				HOURS								REMARKS		TIME						
DRILLER	<u>W. Smith</u>	<u>8</u>	<u>3300</u>			<u>1</u>	<u>8</u>	<u>33468</u>	<u>46</u>	<u>33165</u>	<u>552</u>	<u>Jan 22</u>	<u>Drill for Bit Run in D.C.S.</u>	<u>4</u>	<u>00</u>	<u>3 1/2</u>				
DERRICK	<u>H. Thomas</u>	<u>8</u>		STANDS	FT.	<u>3</u>	<u>8 3/4</u>	<u>2-10</u>	<u>19718</u>	<u>X16</u>						<u>Put new rotary chain on & replace</u>	<u>7</u>	<u>30</u>	<u>4 1/2</u>	
FLOOR	<u>W. Orzech</u>	<u>8</u>		SINGLES	FT.											<u>seal in drawworks</u>				
FLOOR	<u>D. Haladuk</u>	<u>8</u>		D.C.'S	FT.															
FLOOR	<u>A. Day</u>	<u>8</u>		SUB	FT.		MUD	<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>	GENER REMARKS					
FIREMAN				SUB	FT.		WEIGHT								CHECKED BLIND RAMS OUT OF					
MECHANIC				BIT OR C.B.	FT.		VISCOSITY	<u>181P</u>				ADDITIVES				<u>RED LINE HOLDINGS</u>	<u>2000</u>			
INJURIES				KELLY IN	FT.		PUMP NO. 1					PUMP NO. 2		Maurin Reman		<u>10</u>				
TOTAL					FT.		PUMP NO. 1 LINER SIZE	<u>5 1/2</u>	PUMP NO. 2 LINER SIZE	<u>5 1/2</u>										
DRILL PIPE SIZE	<u>4 1/2</u>	TYPE	<u>X14</u>	TOTAL NO. OF JOINTS	<u>241</u>	DATE LAST SONOSCOPED	<u>Jan 68</u>	FOOTAGE DRILLED SINCE LAST SONOSCOPED	<u>27,137</u>	TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS		CODS LETTER OF STRING				
B.O.P.'S TESTED	<u>4 1/2" & Hydraulic</u>	ELAPSED TIME	<u>15 MIN</u>	PRESSURE		RESULTS	<u>O.K.</u>	TOTCO RING ON BIT NO.												
TOOLPUSHER <u>J. Hubbard</u>										APPROVED BY <u>R. E. Lyon</u>										

REGENT DRILLING LIMITED

DAY WORK RECORD

DATE Jan 29/70 REPORT NO. 7

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <u>Emerson</u>	<u>D500</u>	<u>16"</u>
NO. 2 <u>W.S.</u>	<u>214P</u>	<u>14"</u>

LAST CASING SIZE	LAST CASING SET AT
<u>9 5/8</u>	<u>5724</u>

DATE Jan 29/70
RIG NO. 3

WELL NAME Atkinson F.F.A.L Island River
J-44 60° 01' 120° 15' W
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.

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		
2500	232	2732	7	85	6x6 3/4	17x6 3/4	1	8	33338	46	33168	552	Jan 22	2570	1 1/4		
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
21	STANDS		2	8 3/4	2-11	19725	X16	45/50	50	2408	2732	324	12 3/4				Running
1	SINGLES	200	360														
23	D.C.'S	68	194	FT.													
1	SUB X0	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X0	2.18	FT.	WEIGHT	8.5	8.5	8.5	8.6				Safety Meeting					
	BIT OR C.B.		FT.	VISCOSITY	28	28	28	28	ADDITIVES				Subject Free Play				
			FT.	PUMP PRESSURE	1350	1350	1350	1350									
	KELLY IN	41	FT.	R.P.M. PUMP NO. 1	60	60	60	60									
				R.P.M. PUMP NO. 2													
TOTAL				2732.38	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	12:00	12:45	3/4
Survey at 2570	12:45	1:00	1/4
Set 1 Rig block B.O.P.	1:00	1:15	1/4
Drill 8 3/4 Hole	1:15	6:30	5 1/4
Repair Rotary Chain	6:30	6:45	1/4
Drill 8 3/4 Hole	6:45	7:45	1
Survey at 2700' 1 1/4	7:45	8:00	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	DEGREE	
2232	246	2918	7 1/2	86 ⁰⁰⁰	8-6 3/4	17-6 1/4	55 ⁰⁰⁰	8	33338	46	33168	552	Jan 22				
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
24	STANDS	225254	2	8 3/4	2-11 1-10	19725	X16	45	50	2408	2918	570 20 1/4					Run
	SINGLES		FT.														
23	D.C.'S	68194	FT.														
1	SUB X0	3.66	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X0	2.18	FT.	WEIGHT	8.6	8.7	8.8	8.7									
	BIT OR C.B.		FT.	VISCOSITY	28	28	28	28	ADDITIVES WATER								
			FT.	PUMP PRESSURE	1350	1350	1350	1350									
	KELLY IN	38.00	FT.	R.P.M. PUMP NO.1	60	60	60	60									
				R.P.M. PUMP NO.2	ON GUNS												
TOTAL			2918.32	FT.	PUMP NO. 1 LINER SIZE	5 1/2		PUMP NO. 2 LINER SIZE	5 1/2								

REMARKS	START	STOP	INT VAL
Rig service + B.O.P.	8:00	8:15	1/4
Drill 8 3/4 Hole	8:15	9:45	1 1/2
Repair rotary chain	9:45	10:00	1/4
Drill	10:00	2:00	1 1/2

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

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES			
2978	219	3197	6 1/2	92000	6-6 3/4 17-6 1/4	55,000	8	33338	46	33165	552	Jan 22	2960	7 1/8				
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	COND. 'ION	
25	STANDS	234.18 FT.	2	8 3/4	2-11 7-10	19725	X16	45/50	50	2408	3197	787	26 3/4					
1	SINGLES	31.61 FT.																
23	D.C.'S	681.94 FT.																
1	SUB X0	3.66 FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	SUB X0	2.18 FT.	WEIGHT	8.7	8.7	8.7	8.8	12.0		9.5	RED LINE HOLDING 23 Lbs.							
	BIT OR C.B.		VISCOSITY	28	28	34	50	ADDITIVES										
			PUMP PRESSURE	1350	1350	1250	1200	GEL 45 SKS CMC-50 4 H.VIS Mudup @ 3036										
	KELLY IN	33.43 FT.	R.P.M. PUMP NO. 1	60	60	60	60	BEN-EX 16"										
			R.P.M. PUMP NO. 2	ON GUNS				NO. 5100 6 GAL.										
TOTAL		3097.06 FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2	5000 PSH - 4 SKS											

REMARKS	START	STOP	INT VAL
Circ 15 min prior to Survey	4:00	4:15	1/4
Survey & Rig Survey Service	4:15	4:30	1/4
Drilling	4:30	7:45	3 1/4
Replace seal packing & liners above in D.500	7:45	8:45	1
Drilling	8:45	12:00	3 1/4

DRILL PIPE SIZE 4 1/2 TYPE X4

TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED
<u>239</u>	<u>Dec. 68</u>	<u>24,934</u>	

B.O.P.'S TESTED 4 1/2" & Hybrid ELAPSED TIME 15 MIN. PRESSURE RESULTS OK TOTCO RING ON BIT NO.

TOOLPUSHER J. J. O'Connell
APPROVED BY R. J. Lyons

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emerson</i>	<i>A500</i>	<i>16</i>
NO. 2 <i>W.S.</i>	<i>214P</i>	<i>14</i>

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

DRILLER <i>J. Elliott</i>	<i>8</i>
DERRICK <i>P. Lomax</i>	<i>8</i>
FLOOR <i>N. Shuchuk</i>	<i>8</i>
FLOOR <i>L. Baranich</i>	<i>8</i>
FLOOR <i>B. Burgess</i>	<i>8</i>
FIREMAN	
MECHANIC	
INJURIES	

LAST CASING SIZE
LAST CASING SET AT

9 5/8 *724*

DATE *Jan 28/70*

RIG NO. *3*

WELL NAME *Atkinson Island River T-44*

LOCATION *60°10'N 120°15'W*

SEC. *1* TWP. *12* RGE. *1*

DATE *Jan 28/70*

REPORT NO. *6*

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

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		
1950	458	2408	6 3/4	8 3/4	6 X 6 3/4	17 X 6 3/4	1	8	33538	46	33165	552	1-22-70	2100	12		
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
18	STANDS	1690.71	FT.	1	8 3/4	2 X 10	17636	X16	50	56	724	2408	1684				4-4
	SINGLES		FT.									23 1/4					
23	D.C.'S	181.94	FT.														
1	SUB X0	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X0	2.18	FT.	WEIGHT	8.9	9.0	9.0	9.0									
	BIT OR C.B.		FT.	VISCOSITY	28	28	28	58	ADDITIVES								
			FT.	PUMP PRESSURE	1350	1350	1300	1375									
	KELLY IN	30.	FT.	R.P.M. PUMP NO. 1	60	60	60	60									
			FT.	R.P.M. PUMP NO. 2													
TOTAL 2408.49				FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE 5 1/2										

REMARKS	START	TIME	STOP	INT. VAL.
<i>Drill 8 3/4 Hole</i>	<i>12:00</i>	<i>12:15</i>	<i>4</i>	<i>1/4</i>
<i>Set Rig Check B.O.P.</i>	<i>12:15</i>	<i>12:30</i>	<i>2</i>	<i>2</i>
<i>Drill 8 3/4 Hole</i>	<i>12:30</i>	<i>2:30</i>	<i>2</i>	<i>2</i>
<i>Survey at 2100</i>	<i>2:30</i>	<i>2:45</i>	<i>4</i>	
<i>Drill 8 3/4 Hole</i>	<i>2:45</i>	<i>4:30</i>	<i>134</i>	<i>134</i>
<i>Repair 4" Union cracked</i>	<i>4:30</i>			
<i>Drill 8 3/4 Hole</i>	<i>4:45</i>	<i>6:00</i>	<i>14</i>	<i>14</i>
<i>Survey at 2320</i>	<i>6:00</i>	<i>6:15</i>	<i>4</i>	
<i>Drill 8 3/4 Hole</i>	<i>6:15</i>	<i>7:30</i>	<i>134</i>	<i>134</i>
<i>Drill Survey</i>	<i>7:30</i>	<i>7:45</i>	<i>4</i>	
<i>Trip out</i>	<i>7:45</i>	<i>8:00</i>	<i>4</i>	

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

DRILLER <i>A. PEARSON</i>	<i>8</i>
DERRICK <i>B. WARD</i>	<i>8</i>
FLOOR <i>B. Day</i>	<i>8</i>
FLOOR <i>H. METKE</i>	<i>8</i>
FLOOR <i>G. COMRAU</i>	<i>8</i>
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		
1408		2408	1	8 3/4	6 X 6 3/4	17 X 6 3/4	55M	8	33338	46	33165	552	1-22-70	2408	1 1/4		
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
18	STANDS	1690.71 FT.	2	8 3/4	2-10	19725	X16		2408								
	SINGLES	FT.															
23	D.C.'S	181.94 FT.															
1	SUB X0	3.66 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
1	SUB X0	2.18 FT.	WEIGHT								DISPLACED: HOLE TO FRESH WATER						
	BIT OR C.B.	FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
	KELLY IN	30.00 FT.	R.P.M. PUMP NO.1														
			R.P.M. PUMP NO.2														
TOTAL			PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE			5 1/2									

REMARKS	START	TIME	STOP	INT. VAL.
<i>Pull Out</i>	<i>8:00</i>	<i>10:00</i>	<i>2</i>	
<i>Rig SERVICE BOB CHECK</i>	<i>10:00</i>			
<i>CHECK MOTOR KILLS</i>	<i>10:45</i>	<i>3/4</i>		
<i>REPLACE 4" UNION DOWN</i>	<i>10:45</i>			
<i>STAND PIPE & CLEAR</i>				
<i>ALL MOD TANKS</i>	<i>1:15</i>	<i>2 1/2</i>		
<i>Run IN W BIT</i>	<i>1:15</i>	<i>2 1/2</i>	<i>1 1/2</i>	
<i>Back wire & clean to bottom</i>	<i>2:45</i>			
<i>120' full</i>	<i>4:00</i>	<i>1 1/4</i>		

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

DRILLER <i>W. Smith</i>	<i>8</i>
DERRICK <i>H. Thomas</i>	<i>8</i>
FLOOR <i>W. Ewack</i>	<i>8</i>
FLOOR <i>D. K. Valatinsky</i>	<i>8</i>
FLOOR <i>A. Day</i>	<i>8</i>
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	DEGR		
2408	92	2500	5 3/4	8 3/4	6 x 6 3/4	17 x 6 3/4	55m	8	33338	46	33165	552	1-22-70				
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 ION
19	STANDS	1783.81	FT.	2	8 3/4	2-10	19725	X16	40m	56	2408	2500	92	5 3/4			
	SINGLES		FT.														
23	D.C.'S	181.94	FT.														
1	SUB X0	3.66	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X0	2.18	FT.	WEIGHT	8.4	8.5	8.5	8.5				Water Truck					
	BIT OR C.B.		FT.	VISCOSITY	28	28	28	28	ADDITIVES			Main in Penmenbo 21 hrs					
			FT.	PUMP PRESSURE	1350	1350	1350	1350	WATER			RED LINE HOLDINGS 23hrs.					
			FT.	R.P.M.	60	60	60	60									
	KELLY IN	28.41	FT.	PUMP NO.1													
			FT.	R.P.M.	ON GUNS												
			FT.	PUMP NO. 2													
TOTAL		2500.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE		5 1/2									

REMARKS	START	TIME	STOP	INT. VAL.
<i>Rig Service</i>	<i>4:00</i>	<i>4:15</i>	<i>1/4</i>	
<i>Repair stand pipe 4 1/2 unions</i>	<i>4:15</i>	<i>4:45</i>	<i>1/2</i>	
<i>Drilling</i>	<i>4:45</i>	<i>5:15</i>	<i>1/2</i>	
<i>Repair rotary chain and retightening</i>	<i>5:15</i>	<i>6:45</i>	<i>1 1/2</i>	
<i>Stand pipe unions</i>				
<i>Drilling</i>	<i>6:45</i>	<i>12:00</i>	<i>5 1/4</i>	

DRILL PIPE SIZE <i>4 1/2</i>	TYPE <i>X.H</i>	TOTAL NO. OF JOINTS <i>201</i>	DATE LAST SONOSCOPED <i>Dec 68</i>	FOOTAGE DRILLED SINCE LAST SONOSCOPED <i>26,231</i>	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED <i>4 1/2" + Hydraulic</i>	ELAPSED TIME <i>15 min</i>	PRESSURE	RESULTS <i>O.K.</i>	TOTCO RING ON BIT NO.				

TOOL PUSHER *J. L. Leland*
APPROVED BY *W. E. Ewack*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emser</i>	<i>D500</i>	<i>16"</i>
NO. 2 <i>W.S.</i>	<i>214P</i>	<i>14"</i>

LAST CASING SIZE LAST CASING SET AT

DATE *Jan 27/70*
RIG NO. *3*

WELL NAME *Atkinson Island River*
J-44 60°-10' N 120°-15' W
LOCATION LSD. SEC. TWP. RGE.

DATE *Jan 27/70* REPORT NO. *5*

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		
724	287	1011	3 1/2	65	6x6 3/4	60		8	33195	46	33165	552	Jan 22	910	1/2		
NO.	DRILLING STRING	BITS RUN NO	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
3	STANDS	28229	1	8 3/4	17636	X16	35	65	724	1011	287	3 1/2					
	SINGLES	FT.															
23	D.C.'S	681.94															
1	SUB X.O	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB X.O	2.18	FT.	WEIGHT		8.3	8.4	8.3				AFTER DRUG OUT					
	BIT OR C.B.		FT.	VISCOSITY		28	28	28	ADDITIVES			FLUG WENT UP AROUND					
			FT.	PUMP PRESSURE		1200	1200	130	BICARBONATE OF SODA 300#			DRILL COLLARS +					
	KELLY IN	41	FT.	P.P.M. PUMP NO.1		60	60	60				WERE GETTING NO CUT					
				R.P.M. PUMP NO.2								TUGS BACK SO TRIP					
TOTAL	1011.04	FT.		PUMP NO. 1 LINER SIZE	5 1/2			PUMP NO. 2 LINER SIZE	5 1/2	AND DRILLED OUT PLUG							

REMARKS	START	STOP	INT VAL
Repair Valve on stand	12:00	12:15	1/4
Drill out float valve	12:15	12:30	2 1/2
Drill 8 3/4 hole	12:30	12:45	1 1/2
Pull out rubber plug	12:45	1:00	1
Run 4m	1:00	1:15	3/4
Drill 8 3/4 hole	1:15	1:30	1
Surveys at 910	1:30	1:45	1/4
Drill 8 3/4 hole	1:45	2:00	1

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		
1011	533	1544	6 1/2	70 ⁰⁰⁰	9-6 3/4	17-6 1/4	60 ⁰⁰⁰	8	33195	46	33165	552	Jan 22	1100	1/2°		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
8	STANDS		FT.	1	8 3/4	2-10	17636	X18	30/15	180	724	1544	820	10 1/2		1290	1/8°
2	SINGLES		815.53									10			1570	1/8°	
23	D.C.'S		681.94														
1	SUB X.O		3.66	FT.	MUD		8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS			
1	SUB X.O		2.88	FT.	WEIGHT		8.8	8.8	8.8	8.7							
	BIT OR C.B.		FT.	VISCOSITY			28	28	28	28	ADDITIVES	WATER					
			FT.	PUMP PRESSURE			1300	1300	1300	1400							
	KELLY IN		41.00	FT.	R.P.M. PUMP NO.1		60	60	60	60							
					R.P.M. PUMP NO.2		ON GUNS										
TOTAL			2544.31	FT.	PUMP NO. 1 LINER SIZE		5 1/2		PUMP NO. 2 LINER SIZE	5 1/2							

REMARKS	START	STOP	INT VAL
Big service + L.O.P.s	8:00	8:15	1/4
Repair 4" connection on stand	8:15	8:30	3/4
pipe + connection	8:30	8:45	1/2
Drill 8 3/4 hole	8:45	9:00	3/4
surveys @ 1100' 1/2	9:00	9:15	1/4
Drill 8 3/4 hole	9:15	9:30	1/2
surveys @ 1200' 7/8	9:30	9:45	1/4
Drill	9:45	10:00	1/4
surveys @ 1390' 7/8	10:00	10:15	1/4
Drill	10:15	10:30	1/4
surveys @ 1510' 7/8	10:30	10:45	1/4

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					
1544		406		1950		6 3/4		76,000		6-6 3/4		60,000				8		33195		46		33165		552		Jan 22		1636		24°					
										17-6 3/4																17 01		27°							
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	
34		STANDS		1219.69 FT.		1		8 3/4		2-10 1-11		17636		X16		40m		52		724		1950		1226		16 3/4				19 45		24°			
1		SINGLES		31.65 FT.																				16 3/4											
23		D.C.'S		681.94 FT.																															
1		SUB X.O		3.66 FT.		MUD		4 P.M.		6 P.M.		8 P.M.		10 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS													
1		SUB X.O		2.18 FT.		WEIGHT		8.7		8.8		8.8		8.8								K.B. TO GROUND - 13.8													
		BIT OR C.B.		FT.		VISCOSITY		28		28		28		28		ADDITIVES						K.B TO CSWB BOWL - 13.6													
				FT.		PUMP PRESSURE		1200		1300		1300		1300								Maxim Romanke													
		KELLY IN		10.88 FT.		R.P.M. PUMP NO. 1		60		60		60		60								23 hrs Working 4 Water													
						R.P.M. PUMP NO. 2		ON GUNS														RED LINE HOLD IN G S 23 HR													
TOTAL		1950.00		FT.		PUMP NO. 1 LINER SIZE		5 1/2		PUMP NO. 2 LINER SIZE		5 1/2																							

REMARKS	START	STOP	INT VAL
Big service	4:00	4:15	1/4
Drilling	4:15	6:00	13/4
Surveys 1636' 3/4	6:00	6:15	1/4
Drilling	6:15	8:15	2
Surveys 1761' 3/4	8:15	8:30	1/4
Drilling	8:30	9:30	1
KB TO GROUND - 13.85	9:30	9:45	1/4
KB TO CSUB Bowl - 13.60	9:45	11:30	1 3/4
Manin Romanika	11:30	11:45	1/4
23 hrs Working Water	11:45	12:00	1/4
RED LINE HOOKING 23 HRS			

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
4 1/2	X.O	2	Jan 68	26 1/4			O.K.	
B.O.P.S TESTED		ELAPSED TIME		PRESSURE		RESULTS		
4 1/2" x 2 1/2"		15 min						

TOOLPUSHER

APPROVED BY

J. Wilbourn
R. L. Grayson

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Jan 25/70</u>		WELL NAME <u>Atkinson ET AL Island River</u>		DATE <u>Jan 25/70</u>		REPORT NO. <u>4</u>																																																																																																																																																																																																																																							
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION LSD. <u>60°-10'N 120°15'-W</u>																																																																																																																																																																																																																																							
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REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emerson</i>	<i>D500</i>	<i>16"</i>
NO. 2 <i>W.S.</i>	<i>2148</i>	<i>14"</i>

LAST CASING SIZE	LAST CASING SET AT
<i>9 5/8</i>	<i>724</i>

DATE *Jan 25/70*
RIG NO. *3*

WELL NAME *Atkinson FT-AL Island River*
J-44 *60°-10'N* *120°15'W*
LOCATION LSD. SEC. TWP. RGE.

DATE *Jan 25/70* REPORT NO. *3*

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 3 A.M. HOURS

DRILLER *J. Elliott* 8
DERRICK *P. Corneau* 8
FLOOR *N. Schuchert* 8
FLOOR *L. Baranick* 8
FLOOR *B. Burgess* 8
FIREMAN
MECHANIC
INJURIES

FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES					
																8		33195		46		33165		552		Jan 22									
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	
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	SUB			FT.		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS													
	SUB			FT.		WEIGHT														RAN		724.88 OF 9 5/8 Range III													
	BIT OR C.B.			FT.		VISCOSITY										ADDITIVES		36 lbs JAPANES		Casing with Float Collar and															
				FT.		PUMP PRESSURE																Guide shoe Cemented w/ 300 lbs. Construction													
	KELLY IN			FT.		R.P.M. PUMP NO. 1																Cement 2 1/2 ch 2 centralizer 1 on first ft													
				FT.		R.P.M. PUMP NO. 2																1 on top of 35T Plug Down 2 1/2 AL Randed at													
TOTAL				FT.		PUMP NO. 1 LINER SIZE		5 1/2		PUMP NO. 2 LINER SIZE		5 1/2										Bumped w/ 800" 724 K.B Total Casing & Float Collar													

REMARKS	START	STOP	INT VAL
<i>Run casing</i>	<i>12 00</i>	<i>12 15</i>	<i>15</i>
<i>Rig Up to bit + bit</i>	<i>12 15</i>	<i>12 45</i>	<i>30</i>
<i>Shoe cement casing</i>	<i>12 45</i>	<i>1 15</i>	<i>30</i>
<i>W.O.C.</i>	<i>1 15</i>	<i>1 45</i>	<i>30</i>

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

DRILLER *A. Pearson* 8
DERRICK *B. Ward* 12
FLOOR *B. Day* 12
FLOOR *M. Miller* 8
FLOOR *J. Corneau* 8
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
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	SUB		FT.	WEIGHT															
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES										
			FT.	PUMP PRESSURE															
	KELLY IN		FT.	R.P.M. PUMP NO.1															
				R.P.M. PUMP NO.2															
TOTAL			FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE												

REMARKS	START	STOP	INT VAL
<i>W.O.C.</i>	<i>8 00</i>	<i>10 15</i>	<i>2 15</i>
<i>Cut casing + wild on</i>	<i>10 15</i>	<i>10 45</i>	<i>30</i>
<i>Red Bowl</i>			
<i>Pressure test Red Bowl</i>	<i>10 45</i>	<i>11 15</i>	<i>30</i>
<i>to 1500 P.S.I. 12 min</i>			
<i>Pick up P.O.T.</i>	<i>11 30</i>	<i>12 00</i>	<i>30</i>

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

DRILLER *W. Smith* 8
DERRICK *H. Jones* 13
FLOOR *W. Eversch* 13
FLOOR *D. Hallidiski* 8
FLOOR *A. Day* 8
FIREMAN
MECHANIC
INJURIES

FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES					
														8		33195		46		33165		552		Jan 22											
NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT		RPM		FOOTAGE FROM		FOOTAGE TO		FOOTAGE		HOURS		CORED FROM		CORED TO		REAMED FROM		REAM-ED TO		CONDIT-ION	
		STANDS		FT.																															
		SINGLES		FT.																															
		D.C.'S		FT.																															
		SUB		FT.		MUD		4 P.M.		6 P.M.		8 P.M.		10 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS													
		SUB		FT.		WEIGHT																													
		BIT OR C.B.		FT.		VISCOSITY										ADDITIVES		RED LINE HOLDINGS																	
				FT.		PUMP PRESSURE												21 HRS. FILLING																	
		KELLY IN		FT.		R.P.M. PUMP NO. 1												STORAGE PIT & MUD TANK																	
				FT.		R.P.M. PUMP NO. 2												MARVIN ROMANKO 14 hrs																	
TOTAL				FT.		PUMP NO. 1 LINER SIZE		5 1/2		PUMP NO. 2 LINER SIZE		5 1/2																							

REMARKS	START	STOP	INT VAL
<i>Red Head up</i>	<i>4 00</i>	<i>12 00</i>	<i>8</i>

DRILL PIPE SIZE <i>4 1/2</i>	TYPE <i>XH</i>	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED <i>Dec 68</i>	FOOTAGE DRILLED SINCE LAST SONOSCOPED <i>24919</i>	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED <i>NONE</i>	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.				

TOOLPUSHER

APPROVED BY

R. K. Yon

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emco</i>	<i>A.500</i>	<i>16</i>
NO. 2 <i>W.S.</i>	<i>214P</i>	<i>14</i>

LAST CASING SIZE LAST CASING SET AT

DATE *Jan 24/70*
RIG NO. *3*

WELL NAME *Atkinson ET-AL Island Power*
J-44 *60°10'N* *120°15'W*
LOCATION LSD. SEC. TWP. RGE.

DATE *Jan 24/70* REPORT NO. *2*

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

DRILLER	HOURS
<i>A. Elliott</i>	<i>8</i>
DERRICK	HOURS
<i>R. Rameau</i>	<i>8</i>
FLOOR	HOURS
<i>M. Shewchuk</i>	<i>8</i>
FLOOR	HOURS
<i>L. Baranuk</i>	<i>8</i>
FLOOR	HOURS
<i>B. Burgess</i>	<i>8</i>
FIREMAN	HOURS
MECHANIC	HOURS
INJURIES	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				
278	248	526	7	45	5 X 6 3/4	30	8			46			1-22	780	5				
					7 X 6 3/4									400	12				
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		
1	STANDS		1A	12 1/4	OPEN Rotap	OSG3	15 20	120	0	526	526	1 1/4					Running		
1	SINGLES	125317																	
12	D.C.'S	35104																	
1	SUB X0	3.66	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	SUB X0	2.18	FT.	WEIGHT	9.6	96	9.6					Survey at 520							
	BIT OR C.B.	1.00	FT.	VISCOSITY	60	80	80	80	ADDITIVES										
1	BELL	2.60	FT.	PUMP PRESSURE	400	400	450	450	Lime 25#										
	KELLY IN	41	FT.	R.P.M. PUMP NO. 1	67	67	67	67											
				R.P.M. PUMP NO. 2															
TOTAL 526.85				FT.	PUMP NO. 1 LINER SIZE 5 1/2	PUMP NO. 2 LINER SIZE 5 1/2													

REMARKS	START	STOP	INT VAL
<i>Drill 12 1/4 Hole</i>	<i>12:00</i>	<i>12:30</i>	<i>1/2</i>
<i>Survey at 380</i>	<i>12:30</i>	<i>12:45</i>	<i>1/4</i>
<i>Drill 12 1/4 Hole</i>	<i>12:45</i>	<i>1:00</i>	<i>1/4</i>
<i>Survey at 400</i>	<i>1:00</i>	<i>1:15</i>	<i>1/4</i>
<i>Drill 12 1/4 Hole</i>	<i>1:15</i>	<i>1:30</i>	<i>1/2</i>
<i>clean flow line</i>	<i>1:30</i>	<i>1:45</i>	<i>1/2</i>

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

DRILLER	HOURS
<i>A. Pearson</i>	<i>8</i>
DERRICK	HOURS
<i>B. Ward</i>	<i>8</i>
FLOOR	HOURS
<i>B. Day</i>	<i>8</i>
FLOOR	HOURS
<i>H. Miller</i>	<i>8</i>
FLOOR	HOURS
<i>H. Connors</i>	<i>8</i>
FIREMAN	HOURS
MECHANIC	HOURS
INJURIES	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	
526	144	670	3 1/4	45000	5-6 1/4	30000	1	8	33195	46	33165	598	1-21-69		610	1/2		
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
3	STANDS	280.54 FT.	1A	12 1/4	OPEN Rotap	OSC3		20	120	0	670	670	30					
	SINGLES	FT.																
12	D.C.'S	351.04 FT.																
2	SUB X.O	5.84 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
1	STANDS	4.32 FT.	WEIGHT	97														
1	BIT OR C.B.	1.00 FT.	VISCOSITY	65	70	TRIP	ADDITIVES											
1	BELL	2.60 FT.	PUMP PRESSURE	400	450	LIME - 25#												
	KELLY IN	84.66 FT.	R.P.M. PUMP NO.1	67	67													
			R.P.M. PUMP NO.2															
TOTAL		670.00 FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE	5 1/2												

REMARKS	START	STOP	INT VAL
<i>clean flow line</i>	<i>8:00</i>	<i>8:15</i>	<i>1/4</i>
<i>Run survey @ 520'</i>	<i>8:15</i>	<i>9:00</i>	<i>3/4</i>
<i>Drill</i>	<i>9:00</i>	<i>11:00</i>	<i>2</i>
<i>Run survey @ 610'</i>	<i>11:00</i>	<i>11:15</i>	<i>1/4</i>
<i>Drill</i>	<i>11:15</i>	<i>12:00</i>	<i>3/4</i>
<i>circ. to clean hole out</i>	<i>12:00</i>	<i>12:15</i>	<i>1/4</i>
<i>Pull out to pick up</i>	<i>12:15</i>	<i>12:30</i>	<i>1/4</i>
<i>reamer + clean to bottom</i>	<i>12:30</i>	<i>3:00</i>	<i>2 3/4</i>
<i>work on plugged flow</i>	<i>3:00</i>	<i>3:30</i>	<i>1/2</i>
<i>fine</i>	<i>3:30</i>	<i>4:00</i>	<i>1/2</i>
<i>Drill</i>	<i>4:00</i>	<i>4:15</i>	<i>1/4</i>

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

DRILLER	HOURS
<i>W. Smith</i>	<i>8</i>
DERRICK	HOURS
<i>H. Jones</i>	<i>8</i>
FLOOR	HOURS
<i>W. J. Cwack</i>	<i>8</i>
FLOOR	HOURS
<i>D. Hallikainen</i>	<i>8</i>
FLOOR	HOURS
<i>A. Day</i>	<i>8</i>
FIREMAN	HOURS
MECHANIC	HOURS
INJURIES	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		
670	54	724	1 1/4	46000	5-6 3/4	30,000	1	8	33	46				724	1/4°		
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
3	STANDS		1A	12 1/4	OPEN	Actip	OSC3	20	120	0	724	724	21 1/4				
2	SINGLES																
12	D.C.'S																
2	SUB X.O	5.84	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB	4.32	FT.	WEIGHT								RED LINE HOLDING LTD					
1	BIT OR C.B.	1.00	FT.	VISCOSITY	90	110			ADDITIVES				10 HRS				
1	Bell	2.60	FT.	PUMP PRESSURE	600	600			LIME 25#				WATER PUMP 10 HRS				
	KELLY IN	16.97	FT.	R.P.M. PUMP NO. 1	67												
				R.P.M. PUMP NO. 2													
TOTAL		724.00	FT.	PUMP NO. 1 LINER SIZE	5 1/2"	PUMP NO. 2 LINER SIZE	5 1/2"										

REMARKS	START	STOP	INT VAL
<i>Drilling</i>	<i>4:00</i>	<i>5:15</i>	<i>1 1/4</i>
<i>SURVEY 724' 1/4°</i>	<i>5:15</i>	<i>5:30</i>	<i>1/4</i>
<i>Circ. pen to running casing</i>	<i>5:30</i>	<i>6:30</i>	<i>1</i>
<i>Pull out to run casing</i>	<i>6:30</i>	<i>7:30</i>	<i>1</i>
<i>Rig up to run casing</i>	<i>7:30</i>	<i>8:00</i>	<i>1/2</i>
<i>Running casing</i>	<i>8:00</i>	<i>12:00</i>	<i>4</i>

DRILL PIPE SIZE *4 1/2* TYPE *X-N*

B.O.P.'S TESTED *NOWR*

TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
	DEC-68	24919				
	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.		

TOOLPUSHER *J. Hubbard*

APPROVED BY *R. E. Lyons*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>JAN 23/70</u>		WELL NAME <u>ATKINSON ET-AL-ISLAND RIVER</u>		DATE <u>JAN 23/70</u>		REPORT NO. <u>1</u>															
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>		LOCATION <u>44 - 60-10N 120°15'W</u>															
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				
TOUR NO. 1 MIDNIGHT TO 8 A.M.			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	START	STOP	INT VAL	
DRILLER	<u>S. Elliott</u>	<u>8</u>	0					<u>1X6 3/4 1200</u>		<u>8</u>		<u>46</u>				<u>1222</u>					<u>Run Up</u>	<u>12:00</u>	<u>6:00</u>	<u>6</u>
DERRICK	<u>P. Loney</u>	<u>8</u>		STANDS		FT.	<u>1A</u>	<u>12 1/4 OPEN RETIP</u>	<u>OSC-3</u>			<u>0</u>									<u>Mix Mud</u>	<u>6:00</u>	<u>8:00</u>	<u>2</u>
FLOOR	<u>H. Shewchuk</u>	<u>8</u>		SINGLES		FT.																		
FLOOR	<u>L. Baranick</u>	<u>8</u>		D.C.'S		FT.																		
FLOOR	<u>B. Burgess</u>	<u>8</u>	1	SUB	<u>2.18</u>	FT.	<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									
FIREMAN			1	SUB	<u>XO</u>	<u>3.66</u>	FT.	<u>WEIGHT</u>																
MECHANIC			1	BIT OR C.B.	<u>1.00</u>	FT.	<u>VISCOSITY</u>					ADDITIVES												
INJURIES			1	BELL	<u>2.60</u>	FT.	<u>PUMP PRESSURE</u>					<u>CASTIC 50#</u>												
				KELLY IN		FT.	<u>PUMP NO. 1</u>					<u>GEL 3500#</u>												
						FT.	<u>PUMP NO. 2</u>																	
						FT.	<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>				<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>											
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				
DRILLER	<u>R. Pearson</u>	<u>8</u>	0	149	149	<u>5</u>		<u>4-6 3/4 2400</u>		<u>8</u>		<u>46</u>				<u>100'</u>	<u>1/2°</u>		<u>Rig TO SPUD</u>	<u>8:00</u>	<u>8:30</u>	<u>1/2</u>		
DERRICK	<u>B. Ward</u>	<u>8</u>		STANDS		FT.	<u>1A</u>	<u>12 1/4 OPEN RETIP</u>	<u>OSC-3</u>			<u>0</u>	<u>149</u>	<u>149</u>	<u>5</u>		<u>120' - 1/4</u>		<u>SPUD + DRILL 12 1/4</u>	<u>8:30</u>	<u>10:30</u>	<u>2</u>		
FLOOR	<u>B. Day</u>	<u>8</u>		SINGLES		FT.													<u>Run survey @ 60'</u>	<u>10:30</u>	<u>10:45</u>	<u>1/4</u>		
FLOOR	<u>H. M. M. M.</u>	<u>8</u>	4	D.C.'S	<u>119.24</u>	FT.													<u>Drill 12 1/4 hole</u>	<u>10:45</u>	<u>11:15</u>	<u>1/2</u>		
FLOOR	<u>G. Connors</u>	<u>8</u>		SUB		FT.	<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									
FIREMAN			2	SUB	<u>XO</u>	<u>58.4</u>	FT.	<u>WEIGHT</u>											<u>work on plugged flow line</u>	<u>11:15</u>	<u>12:00</u>	<u>3/4</u>		
MECHANIC			1	BIT OR C.B.	<u>1.00</u>	FT.	<u>VISCOSITY</u>	<u>64</u>	<u>66</u>	<u>45</u>	<u>40</u>	ADDITIVES <u>GEL - 900#</u>												
INJURIES			1	BELL	<u>2.60</u>	FT.	<u>PUMP PRESSURE</u>			<u>100</u>	<u>200</u>	<u>LIME - 25#</u>												
				KELLY IN	<u>31.00</u>	FT.	<u>R.P.M. PUMP NO. 1</u>																	
						FT.	<u>R.P.M. PUMP NO. 2</u>	<u>ON</u>	<u>GUNS</u>															
						FT.	<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>				<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>											
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				
DRILLER	<u>W. Smith</u>	<u>8</u>	149	128	277	<u>43 1/4</u>		<u>5x6 3/4 31,000</u>		<u>8</u>		<u>46</u>				<u>220'</u>	<u>1/4</u>		<u>Drilling</u>	<u>4:00</u>	<u>4:30</u>	<u>1/2</u>		
DERRICK	<u>H. Lomas</u>	<u>8</u>		STANDS		FT.	<u>1A</u>	<u>12 1/4 OPEN RETIP</u>	<u>OSC-3</u>			<u>0</u>	<u>276</u>	<u>278</u>	<u>9 3/4</u>				<u>Rig Service</u>	<u>4:30</u>	<u>4:45</u>	<u>1/4</u>		
FLOOR	<u>W. Cwack</u>	<u>8</u>		SINGLES		FT.													<u>Work on plugged flow line</u>	<u>4:45</u>	<u>6:30</u>	<u>1 3/4</u>		
FLOOR	<u>D. Haddad</u>	<u>8</u>	8	D.C.'S	<u>238.34</u>	FT.													<u>Drilling</u>	<u>6:30</u>	<u>8:30</u>	<u>2</u>		
FLOOR	<u>A. Day</u>	<u>8</u>	2	SUB	<u>XO</u>	<u>5.84</u>	FT.	<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								
FIREMAN			1	SUB	<u>BELL</u>	<u>2.60</u>	FT.	<u>WEIGHT</u>											<u>Run Survey 220'</u>	<u>8:30</u>	<u>9:45</u>	<u>1/4</u>		
MECHANIC			1	BIT OR C.B.	<u>1.00</u>	FT.	<u>VISCOSITY</u>	<u>43</u>	<u>70</u>	<u>75</u>	<u>75</u>	ADDITIVES												
INJURIES						FT.	<u>PUMP PRESSURE</u>			<u>200</u>	<u>200</u>	<u>LIME 50#</u>												
				KELLY IN	<u>30.22</u>	FT.	<u>R.P.M. PUMP NO. 1</u>	<u>60</u>				<u>GEL 1700#</u>												
						FT.	<u>R.P.M. PUMP NO. 2</u>																	
						FT.	<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>				<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>											
TOUR NO. 4 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				
DRILLER	<u>W. Smith</u>	<u>8</u>	149	128	277	<u>43 1/4</u>		<u>5x6 3/4 31,000</u>		<u>8</u>		<u>46</u>				<u>220'</u>	<u>1/4</u>		<u>Drilling</u>	<u>4:00</u>	<u>4:30</u>	<u>1/2</u>		
DERRICK	<u>H. Lomas</u>	<u>8</u>		STANDS		FT.	<u>1A</u>	<u>12 1/4 OPEN RETIP</u>	<u>OSC-3</u>			<u>0</u>	<u>276</u>	<u>278</u>	<u>9 3/4</u>				<u>Rig Service</u>	<u>4:30</u>	<u>4:45</u>	<u>1/4</u>		
FLOOR	<u>W. Cwack</u>	<u>8</u>		SINGLES		FT.													<u>Work on plugged flow line</u>	<u>4:45</u>	<u>6:30</u>	<u>1 3/4</u>		
FLOOR	<u>D. Haddad</u>	<u>8</u>	8	D.C.'S	<u>238.34</u>	FT.													<u>Drilling</u>	<u>6:30</u>	<u>8:30</u>	<u>2</u>		
FLOOR	<u>A. Day</u>	<u>8</u>	2	SUB	<u>XO</u>	<u>5.84</u>	FT.	<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								
FIREMAN			1	SUB	<u>BELL</u>	<u>2.60</u>	FT.	<u>WEIGHT</u>											<u>Run Survey 220'</u>	<u>8:30</u>	<u>9:45</u>	<u>1/4</u>		
MECHANIC			1	BIT OR C.B.	<u>1.00</u>	FT.	<u>VISCOSITY</u>	<u>43</u>	<u>70</u>	<u>75</u>	<u>75</u>	ADDITIVES												
INJURIES						FT.	<u>PUMP PRESSURE</u>			<u>200</u>	<u>200</u>	<u>LIME 50#</u>												
				KELLY IN	<u>30.22</u>	FT.	<u>R.P.M. PUMP NO. 1</u>	<u>60</u>				<u>GEL 1700#</u>												
						FT.	<u>R.P.M. PUMP NO. 2</u>																	
						FT.	<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>				<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>											
TOUR NO. 5 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				
DRILLER	<u>W. Smith</u>	<u>8</u>	149	128	277	<u>43 1/4</u>		<u>5x6 3/4 31,000</u>		<u>8</u>		<u>46</u>				<u>220'</u>	<u>1/4</u>		<u>Drilling</u>	<u>4:00</u>	<u>4:30</u>	<u>1/2</u>		
DERRICK	<u>H. Lomas</u>	<u>8</u>		STANDS		FT.	<u>1A</u>	<u>12 1/4 OPEN RETIP</u>	<u>OSC-3</u>			<u>0</u>	<u>276</u>	<u>278</u>	<u>9 3/4</u>				<u>Rig Service</u>	<u>4:30</u>	<u>4:45</u>	<u>1/4</u>		
FLOOR	<u>W. Cwack</u>	<u>8</u>		SINGLES		FT.													<u>Work on plugged flow line</u>	<u>4:45</u>	<u>6:30</u>	<u>1 3/4</u>		
FLOOR	<u>D. Haddad</u>	<u>8</u>	8	D.C.'S	<u>238.34</u>	FT.													<u>Drilling</u>	<u>6:30</u>	<u>8:30</u>	<u>2</u>		
FLOOR	<u>A. Day</u>	<u>8</u>	2	SUB	<u>XO</u>	<u>5.84</u>	FT.	<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								
FIREMAN			1	SUB	<u>BELL</u>	<u>2.60</u>	FT.	<u>WEIGHT</u>											<u>Run Survey 220'</u>	<u>8:30</u>	<u>9:45</u>	<u>1/4</u>		
MECHANIC			1	BIT OR C.B.	<u>1.00</u>	FT.	<u>VISCOSITY</u>	<u>43</u>	<u>70</u>	<u>75</u>	<u>75</u>	ADDITIVES												
INJURIES						FT.	<u>PUMP PRESSURE</u>			<u>200</u>	<u>200</u>	<u>LIME 50#</u>												
				KELLY IN	<u>30.22</u>	FT.	<u>R.P.M. PUMP NO. 1</u>	<u>60</u>				<u>GEL 1700#</u>												
						FT.	<u>R.P.M. PUMP NO. 2</u>																	
						FT.	<u>PUMP NO. 1 LINER SIZE</u>	<u>5 1/2</u>				<u>PUMP NO. 2 LINER SIZE</u>	<u>5 1/2</u>											

TOOLPUSHER J. H. Haddad
 APPROVED BY R. H. Haddad

DAY WORK RECORD

TOOLPUSHER J. H. Board

APPROVED BY _____

DAY WORK RECORD

TOOLPUSHER

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Jan 20/70</u>		WELL NAME <u>Atkinson ET-Al. 60° 10' N 120° 15' W</u>		REPORT NO. _____																	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>3</u>																	
NO. 1							LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____																	
NO. 2							PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.																	
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS	DEGREES	REMARKS	TIME	START	STOP	INT VAL
DRILLER	<u>J. Elliott</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	<u>Rig Up</u>	<u>8⁰⁰</u>	<u>4⁰⁰</u>	<u>8</u>
DERRICK	<u>P. Lomax</u>	<u>10</u>	STANDS		FT.																			
FLOOR	<u>M. Shavchuk</u>	<u>12</u>	SINGLES		FT.																			
FLOOR	<u>L. Baraniuk</u>	<u>8</u>	D.C.'S		FT.																			
FLOOR	<u>B. Burgess</u>	<u>8</u>	SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS										
FIREMAN			SUB		FT.	WEIGHT																		
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		FT.	PUMP NO. 1 LINER SIZE																		
					FT.	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	TIME	START	STOP	INT VAL
DRILLER	<u>A. Pearson</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	<u>Rig Up</u>	<u>8⁰⁰</u>	<u>4⁰⁰</u>	<u>8</u>
DERRICK	<u>B. Ward</u>	<u>8</u>	STANDS		FT.																			
FLOOR	<u>L. Day</u>	<u>10</u>	SINGLES		FT.																			
FLOOR	<u>H. Mathe</u>	<u>8</u>	D.C.'S		FT.																			
FLOOR	<u>G. Connor</u>	<u>8</u>	SUB		FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS										
FIREMAN			SUB		FT.	WEIGHT																		
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		FT.	PUMP NO. 1 LINER SIZE																		
					FT.	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	TIME	START	STOP	INT VAL
DRILLER	<u>W. Smith</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	<u>Rig Up</u>	<u>8⁰⁰</u>	<u>4⁰⁰</u>	<u>8</u>
DERRICK	<u>H. Thomas</u>	<u>8</u>	STANDS		FT.																			
FLOOR	<u>W. Erach</u>	<u>10</u>	SINGLES		FT.																			
FLOOR	<u>D. Hallikivi</u>	<u>10</u>	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										
FIREMAN			SUB		FT.	WEIGHT																		
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		FT.	PUMP NO. 1 LINER SIZE																		
					FT.	PUMP NO. 2 LINER SIZE																		

TOOLPUSHER J. Hillman

APPROVED BY _____

DAY WORK RECORD

APPROVED BY

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE		STROKE LENGTH	
No. 1								
No. 2								
EACH EMPLOYEE MUST SIGN THIS BOOK			LAST CASING SIZE		LAST CASING SET AT		DATE <u>June 18/70</u>	
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS			RIG NO. <u>3</u>		LOCATION LSD. <u>60°10' N 120°15' W</u>		WELL NAME <u>Alkenson EFAL Island River</u>	
DRILLER <u>J. E. Smith</u>			REPORT NO. _____		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.		REMARKS <u>Loading out at June 18 8</u>	
DERRICK			NO.		DRILLING STRING		BITS RUN NO.	
FLOOR <u>N. Shewchuk</u>			STANDS		FT.		SIZE	
FLOOR			SINGLES		FT.		NOZZLE SIZE	
FLOOR			D.C.'S		FT.		SERIAL NO.	
FLOOR			SUB		FT.		TYPE	
FIREMAN			SUB		FT.		WEIGHT	
MECHANIC			BIT OR C.B.		FT.		RPM	
INJURIES			PUMP PRESSURE		FT.		FOOTAGE FROM	
TOTAL			KELLY IN		FT.		FOOTAGE TO	
			PUMP NO. 1		R.P.M.		FOOTAGE HOURS	
			PUMP NO. 2		R.P.M.		CORED FROM	
			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		CORED TO	
							REAMED FROM	
							REAMED TO	
							CONDIT-ION	
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS			FROM		FOOTAGE		TOTAL DEPTH	
DRILLER			HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S	
DERRICK			TRIPS		NO OF LINES		TOTAL TON MILES	
FLOOR <u>D. Halliwick</u>			LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL	
FLOOR			DATE OF LAST CUT		AT		SURVEYS DEGREES	
FLOOR			NO.		DRILLING STRING		BITS RUN NO.	
FLOOR			STANDS		FT.		SIZE	
FIREMAN			SINGLES		FT.		NOZZLE SIZE	
MECHANIC			D.C.'S		FT.		SERIAL NO.	
INJURIES			SUB		FT.		TYPE	
			SUB		FT.		WEIGHT	
			BIT OR C.B.		FT.		RPM	
			PUMP PRESSURE		FT.		FOOTAGE FROM	
			KELLY IN		FT.		FOOTAGE TO	
			PUMP NO. 1		R.P.M.		FOOTAGE HOURS	
			PUMP NO. 2		R.P.M.		CORED FROM	
			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		CORED TO	
							REAMED FROM	
							REAMED TO	
							CONDIT-ION	
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS			FROM		FOOTAGE		TOTAL DEPTH	
DRILLER			HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S	
DERRICK			TRIPS		NO OF LINES		TOTAL TON MILES	
FLOOR			LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL	
FLOOR			DATE OF LAST CUT		AT		SURVEYS DEGREES	
FLOOR			NO.		DRILLING STRING		BITS RUN NO.	
FLOOR			STANDS		FT.		SIZE	
FIREMAN			SINGLES		FT.		NOZZLE SIZE	
MECHANIC			D.C.'S		FT.		SERIAL NO.	
INJURIES			SUB		FT.		TYPE	
			SUB		FT.		WEIGHT	
			BIT OR C.B.		FT.		RPM	
			PUMP PRESSURE		FT.		FOOTAGE FROM	
			KELLY IN		FT.		FOOTAGE TO	
			PUMP NO. 1		R.P.M.		FOOTAGE HOURS	
			PUMP NO. 2		R.P.M.		CORED FROM	
			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		CORED TO	
							REAMED FROM	
							REAMED TO	
							CONDIT-ION	
DRILL PIPE SIZE			TYPE		TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED	
B.O.P.'S TESTED			ELAPSED TIME		FOOTAGE DRILLED SINCE LAST SONOSCOPED		TOTAL FOOTAGE DRILLED	
			PRESSURE		RESULTS		LAST CALIPER DATE	
					RESULTS		TOTCO RING ON BIT NO.	
							CODE LETTER OF STRING	
							TOOLPUSHER <u>J. Halliwick</u>	
							APPROVED BY <u>[Signature]</u>	

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1		
NO. 2		

LAST CASING SIZE LAST CASING SET AT

DATE Jan 17/70

WELL NAME Atkinson B-T-A-L Island River Jan 18/70

REPORT NO.

RIG NO. 3

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.

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
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REMARKS	TIME
<u>Load out at Jama</u>	<u>8:40 8</u>

DRILLER [Signature]

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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REMARKS	TIME

DERRICK

STANDS	FT.
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REMARKS	TIME

FLOOR N. Shewchuk 8

SINGLES	FT.
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REMARKS	TIME

FLOOR [Signature]

D.C.'S	FT.
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REMARKS	TIME

FLOOR

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

FLOOR

SUB	FT.	WEIGHT
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REMARKS	TIME

FIREMAN

BIT OR C.B.	FT.	VISCOSITY	ADDITIVES
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REMARKS	TIME

MECHANIC

PUMP PRESSURE

REMARKS	TIME

INJURIES

KELLY IN	FT.	R.P.M. PUMP NO. 1	R.P.M. PUMP NO. 2
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REMARKS	TIME

INJURIES

PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE
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REMARKS	TIME

INJURIES

TOTAL	FT.
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REMARKS	TIME

INJURIES

TOTAL	FT.
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REMARKS	TIME

INJURIES

TOTAL	FT.
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REMARKS	TIME

INJURIES

TOTAL	FT.
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REMARKS	TIME

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TOTAL	FT.
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REMARKS	TIME

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TOTAL	FT.
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REMARKS	TIME

INJURIES

TOTAL	FT.
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REMARKS	TIME