File No. .....

Drilling Authority No. 225

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well Con. Crude Ranvik Hay River D-30 1

Location: Unit D Section 30 Grid 60°50', 115°45'

Latitude 60°49'9" Longitude 115°50'30"

From Established Reference Marker Approximately two miles west-northwest of point on Mackenzie Highway 5,000' south of bridge over west channel of Hay River.

Elevation: Ground 540' Est. K.B. 545' Est. feet above sea-level.

Well is expected to produce from Presqu'ile formation at a depth of about 750 feet.

Area assigned to well ..... (for Oil Conservation Engineer's use only)

Permit No. 4129 Lease No. ..... Acreage 31,244

Permittee, licensee, or lessee Ranvik Oils Limited

Exploratory Licence No. 1009

Surface owned by Crown or Crown (If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (inches)	Weight (Lb./Ft.)	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1. 7	20	J-55	Mannesmann	New	200	50
2.						
3.						
4.						
5.						

Expected water, gas, and oil horizons and type of control equipment Presqu'ile Formation Controlled by Mud Weight and blow out preventors.

Well will be drilled with (Rotary) Rig No. 75 by Sedco Exploration Ltd. (Drilling Contractor or company)
(Cable—)

915 - 42 Avenue S.E., Calgary, Alberta.

Responsible agent of applicant:— Norman Soul, P. Geol Contractor's Business Licence No. 24245

At well J.C. Sproule and Associates Ltd. Registered office H. Westmore & Associates,
Address 1009 Fourth Avenue S.W. Calgary, Alberta. Address 216 - 818 Eighth Avenue S.W., Calgary, Alberta.

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

Dated at Calgary, Alberta, this 14th day of January 19 66

Signed by [signature] Company General Crude Oil Company

Title Agent for Applicant Operator's Licence No. 1011

(For Resource Management Division use only)

APPROVED

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

The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well

Dated 14th January 1966

[signature]
Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.

NANR 52-90-1 (7-65)

Universal Well Location Reference - Lat. 60.81917° Long. 115.84166°

File No.....

Drilling Authority No.....225.....

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well Gen. Crude Ranvik Hay River No. D-30

Location: Unit D Section 30 Grid 60°50', 115°45'

Latitude 60°49'09" Longitude 115°50'30"

From Established Reference Marker Approximately two miles west-northwest of point on Mackenzie Highway, 5,000' south of bridge over West Channel of Hay River.

Permit No. 4129 Lease No.

Ranvik Oils Limited
(Permittee, Licensee, Lessee)

Date of commencement of proposed program February 2, 1966.

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at --

Gas at --

Water at 769'

Total Depth 772' Date of last operations February 2, 1966

Present condition of well Standing with hole full of mud.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sack of Cement and Additives	Amount Pulled
1. 7"	20 lb.	195.06	200.79K.B.	60 sacks & 2% $CaCl_2$	--
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	772'-372'	Slave Point and Older	100	Top felt at 370'.
2	250'-150'	Hay River Shale	25	Top felt at 150'.

The following logs have been run Electric Log

Other operations proposed Five sacks cement in top of surface casing with welded steel plate and attached 4-foot riser with well name plate

Operations to be carried out by Sedco Exploration Ltd. Contractor Licence No. 24245

Address 925 - 42 Avenue S.E., Calgary, Alberta Address Same

Responsible Agent in field Norman Soul, J. C. Sproule and Associates Ltd.

Dated at Hay River, N.W.T., this 2 Day of February 19 66

Signed by Norman Soul, J.C. Sproule and Associates Ltd. Company General Crude Oil Company

Title Geologist Operator's Exploratory Licence No. 1011

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thomas on February 2, 1966.

Dated 31st March, 19 66

B.H.J. Thomas
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta

NANK 52-90 (5) (7-65)

File No. .....

Drilling Authority No. 225

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCE MANAGEMENT DIVISION

Application to Change a Well Name

Application is made hereby to change the name of the well, recorded in the Well-names Register as—

Gen Crude Ranvik Hay River D-30
(Old name)

to Gen Crude Ranvik Hay River E-30
(Proposed new name)

Well Location

Location: Unit E Section 30 Grid 60-50-115-45

Latitude 60° 49' 23.52" North Longitude 115° 50' 29.79" West

From Established Reference Marker Geodetic Station Vale. Latitude 60° 50' 29.748" N.

Longitude 115° 45' 36.353" W.

Reason for Changing Well Name

Plan of Survey dated April 22, 1966 by Hugh E. Impey D.L.S. corrected location from D-30-60-50-115-45 to E-30-60-50-115-45

Dated at Calgary this 26 day of April 19 66

Signed by Norman Scott

Title Geologist, J.C. Sproule and Associates Ltd.

Solicitors agent for Company General Crude Oil Company

(For Resource Management Division use only)

APPROVED

This application has been examined and approved:

Date April 29, 19 66

Oil Conservation Engineer

Forms to be submitted in triplicate to the Oil Conservation Engineer, Calgary, Alberta.

NANR 52-90-4 (7-65)

File No. .....

Drilling Authority No. 225

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

RESOURCE MANAGEMENT DIVISION

Application to Amend a Drilling Authority

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

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 225, concerning

Gen. Crude Ranvik Hay River D-30
(Name and Number of Well)

The following amendments are required:

Change in well name to GEN. CRUDE RANVIK HAY RIVER E-30

Location correction to E-30-60-50-115-45

Latitude 60° 49' 23.52" N. Longitude 115° 51' 29.79" W.

Reasons for the amendments:

Plan of Survey dated April 22, 1966 by Hugh E. Impey D.L.S. corrected location from D-30-60-50-115-45 to E-30-60-50-115-45

Dated at Calgary, this 26 day of April, 19 66

Signed by Norman Poole

Title Geologist, J. C. Sproule and Associates Ltd.

Solicitation agent for

Company General Crude Oil Company

(For Resource Management Division use only)

APPROVED

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

Date April 29, 19 66

B. D. Thomas
Oil Conservation Engineer

Forms to be submitted to the Oil Conservation Engineer, Calgary, Alberta.

NANR 52-90-3 (7-65)

U.W.L.R. 60.82320°N, 115.84160°W.

CANADA

Drilling Authority No. 225

Date Issued JANUARY 14, 1966

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCE MANAGEMENT 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: Gen Crude Ranvik Hay River No. E-30

Permit No.: 4129 Lease No.:

Ranvik Oils Limited (Permittee, Licensee, Lessee) Exploratory Licence No.: 1009

General Crude Oil Company (Operator) Exploratory Licence No.: 1011

Location: Unit: D Section: 30 Grid: 60°50' 115°45'

Latitude: 60°49'9" Longitude: 115°50'30"

From Established Reference Marker: Approximately two miles west-northwest of point on MacKenzie Highway 5,000' south of bridge over west channel of Hay River

	DATE	DEPTH
Spudded	Jan 27/66	
Suspended		
Resumed		
Finished Drilling	Feb 1/66	772
Deepened		
Completed (gas/oil)		
Abandoned	Feb 3/66	772
Rig released	Feb 3/66	

Pool (s):

Interval(s) open to production:

Elevation: Gr. 540' est

K.B. 547' est

Drilling Contractor & Rig No.: Sedco Exploration Ltd. No. 75

Contractor's Business Licence No.: 24245

CASING RECORD

	Casing Size (Inches)	Grade	Weight	Amount	Set at—	Sacks of Cement and Additives
1.	7	J-55	20	195.06	200.79 K.B.	60 & 2% $CaCl_2$
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Fort Simpson	70	477+
Slave Point	428	199+
Watt Mountain	696	-161+
Presqu'ile	708	-222+

CORE RECORD

From	To	Rec.	From	To	Rec.
739'	769'	10'			

LOG RECORD

Run No.	Type of Log	From	To
1	Spontaneous Potential Resistivity	769	200

NANR 82-80(2) (7-65)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Feb 2/66	772	370	100 sx + 2% $CaCl_2$ - Felt @ 370'
Feb 3/66	250	150	25 sx + 2% $CaCl_2$ - Felt @ 150'
			5 Sx in top of casing.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	Jan 31/66	Presqu'ile	666	739	60	30	60	- Tool	Plugged	-	-	354	355	Mis-run, Tool Plugged

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
		769'		Presqu'ile	Well flowed. Killed with heavy mud

PRESENT STATUS OF WELL

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

Company: General Crude Oil Company

Signed by: Norman Soul

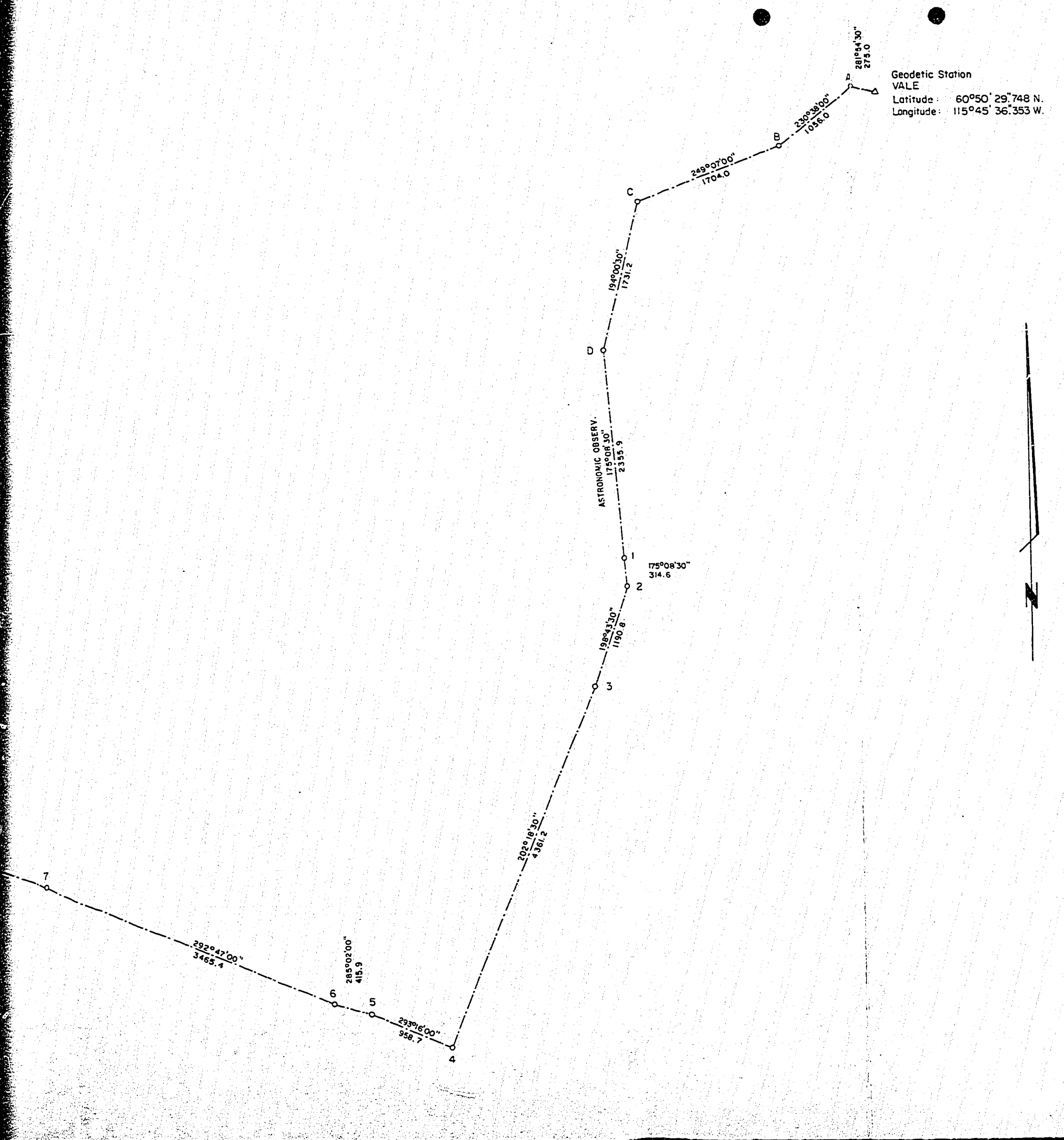
Title: Geologist - J.C. Sproule and Associates Ltd.

Date: March 24, 1966

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

GEN. CRUDE

at Lat. 60° 4



THIS REPORT HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF:

General Crude Oil Company

COPY NO: 13

GEOLOGICAL AND ENGINEERING REPORT

GEN. CRUDE RANVIK HAY RIVER E-30

HAY RIVER AREA, NORTHWEST TERRITORIES

J. C. SPROULE AND ASSOCIATES LTD.
OIL AND GAS ENGINEERING AND GEOLOGICAL CONSULTANTS

1009 FOURTH AVENUE WEST
CALGARY — ALBERTA

TELEPHONE
AMHERST 9-7951

TABLE OF CONTENTS

INTRODUCTION

Gen. Crude Ranvik Hay River No. E-30 was the first test to be drilled in the 1966 exploration program along the southwest shore of Great Slave Lake, Northwest Territories, west of the town of Hay River.

The well was drilled to a total depth of 772 feet to test the Slave Point and Presqu'ile formations of Devonian age. There are no producing wells in the area and the closest test is Frobisher Hay River Test No. 8, eight miles south, drilled to a total depth of 1,072 feet and abandoned in 1946.

The well was drilled by Sedco Exploration Ltd. Rig No. 75. Operations were supervised by J. C. Sproule and Associates Ltd. for the operator, General Crude Oil Company of Houston, Texas. Partners in the operation were Ranvik Oils Limited and Ridgefield Development Ltd.

SECTION I

Summary of Well Data

Well Name:	Gen. Crude Ranvik Hay River E-30
Permittee:	Ranvik Oils Limited
Name of Operator:	General Crude Oil Company, Houston, Texas.
Location:	E-30-60-50-115-45 Lat. 60°49'23.2" Long. 115°50'29.79"
Permit No.:	4129
Drilling Contractor:	Name: Sedco Exploration Ltd. Rig No.: 75 Type: Rotary G.D. 2000 Mast: 58' - 60,000-lb. capacity. Pump: G.D. 5" x 10" B.O.P.: Shaffer.
Drilling Authority:	No. 225, January 14, 1966.
Classification:	Wildcat.
Elevation:	Ground - 540' (Estimated). Kelly Bushing - 547' (7' above ground level).
Date Spudded:	January 27, 1966.
Date Completed Drilling:	February 1, 1966.
Total Depth:	Driller - 772'. Logs - 769'.
Status:	Plugged and abandoned.
Date Rig Released:	February 3, 1966.
No. of Rig Days:	8.

Drilling Data:

Hole Size Inches	Depth From Feet	Depth To Feet
9 7/8	Surface	210
6 1/4	210	772

Casing: Surface - 6 joints (195.06') x 7" x 20-lb., J-55, Range 2, new Japanese casing landed at 200.79' K.B. Cemented with 60 sacks and 2% $CaCl_2$. Plug down at 7:30 a.m., January 28, 1966.

SECTION II

GEOLOGICAL SUMMARY

GEN. CRUDE RANVIK HAY RIVER E-30

Geological Markers:

Formation	Samples Depth Feet	Samples Subsea Elevation Feet	Log Depth Feet	Log Subsea Elevation Feet
Fort Simpson	70	+477±	-	-
Slave Point	420		428	+119±
Watt Mountain	700		696	-149±
Presqu'ile Reef Complex	710		708	-161±
Total Depth	772		769	-222±

Core Summary: No. 1 from 739 to 769 feet. Recovered 10 feet. Formation - Presqu'ile.

Core Description:

Interval Feet	Thickness Feet	Description
		Core No. 1 - 739'-769'. Recovery - 10'.
739.0-744.5	5.5	Dolomite, predominantly greyish white, microcrystalline, with minor irregular bands, blebs and patches of dolomite, brown, dense to crystalline. One thin irregular band of dense greyish white anhydrite in top six inches associated with free yellow sulphur. Several large vugs containing coarse white crystals of dolomite. Poor intercrystalline porosity but fair apparent vuggy porosity.
744.5-749.0	4.5	Dolomite, greyish white to buff and light brownish grey, microcrystalline to crystalline. Scattered vugs, apprently disconnected, partly filled with coarse white crystals of dolomite, Poor apparent porosity.

Coring Time Record:

Interval Feet	Zone	Time in Minutes per Foot
739-749	Presqu'ile Reef	12, 12, 12, 12, 7, 6, 6, 6, 6, 6.
749-759	Presqu'ile Reef	6, 3, 4, 4, 4, 5, 5, 4, 5, 9.
759-769	Presqu'ile Reef	8, 5, 4, 5, 4, 4, 6, 7, 8, 8.

GEN. CRUDE RANVIK HAY RIVER E-30

Sample Description: Location - E-30-60-50-115-45
Elevation - 547' (Estimated) K.B.
Examined By - Norman Soul, P. Geol.

Depth Feet	Description
7-10	Sand, medium- to coarse-grained, grey to brown, quartzose.
10-70	Gravel, varicoloured pebbles of igneous origin.
	Fort Simpson Formation - 70'
70-120	Shale, dull greenish brown, firm, calcareous.
120-210	Shale, dark greenish grey, slightly calcareous.
210-270	Shale, dark green, non-calcareous.
270-280	Limestone, buff to light brown, dense. Shale, as above.
280-290	Limestone, buff to brown, dense to fossiliferous-fragmental.
290-360	Shale, dark greyish brown to dark grey, hard, slightly calcareous.
360-420	Shale, dark grey, non-calcareous.
	Slave Point Formation - 428'
420-440	Limestone, medium grey, microgranular to fossiliferous-fragmental, slightly pyritic, no apparent porosity.
440-450	Limestone, buff to brown, dense to microcrystalline. Shale, dark grey.
450-470	Limestone, buff to brown, dense to microgranular.
470-480	Limestone, dark brown, microcrystalline.
480-490	Limestone, buff to light brown, dense to microgranular, fossiliferous.
490-500	Limestone, buff to brown, dense to cryptocrystalline.
500-510	Limestone, light brown, microgranular to granular, traces of oolitic limestone, traces of poor porosity.
510-540	Limestone, light brown, dense.
540-560	Limestone, brown, microgranular to fragmental, fossiliferous.
560-570	Limestone, brown, dense to microgranular.

Depth Feet	Description
570-590	Limestone, brown, dense, slightly argillaceous.
590-600	Limestone, light brown, dense.
600-630	Limestone, buff to light brown, dense to microgranular.
630-640	Limestone, buff, microgranular.
640-650	Limestone, buff, microgranular. Shale, dark green, non-calcareous and dark brown, slightly calcareous.
650-660	Shale, dark greenish grey and dark brown, slightly calcareous.
660-670	Shale, dark greenish grey and dark grey to dark brown, non-calcareous.
670-700	Shale, dark grey, non-calcareous.
	Watt Mountain Formation - 696' Log
700-710	Shale, light green, waxy. Limestone, buff to light brown, dense, with finely disseminated pyrite.
	Presqu'ile Reef Complex - 708' Log
710-720	Dolomite, brownish grey, coarsely crystalline, stained with light brown oil.
720-730	Dolomite, light grey to greyish white, coarsely crystalline, oil stained.
730-739	Shale, dark grey and dark greenish grey, slightly calcareous. Minor shale, light green, waxy.
739-769	Cored. Recovered 10'. See Core Description. Well flowed salt water.
	Samples from reaming core hole
739-740	Shale, green, waxy, pyritic, calcareous (Watt Mountain type). Dolomite, greyish white, coarsely crystalline.
740-770	Dolomite, greyish white, coarsely crystalline. Minor shale, light green, waxy.
	Total Depth - 772'. Driller 769' Log.

Drilling Time Record:

Interval Feet	Time in Minutes per 5-Foot Interval
400-450	3, 4, 4, 4, 6, 9, 7, 26, 22, 21.
450-500	30, 23, 21, 22, 17, 27, 22, 21, 16, 18.
500-550	18, 12, 13, 16, 14, 21, 18, 20, 22, 25.
550-600	24, 20, 22, 23, 25, 30, 24, 25, 19, 20.
600-650	22, 23, 23, 20, 19, 21, 14, 29, 41, 23.
650-700	22, 19, 20, 23, 22, 15, 24, 20, 20, 21.
700-735	14, 17, 11, 13, 24, 26, 22.

SECTION III

Engineering Summary

GEN. CRUDE RANVIK HAY RIVER E-30

Daily Chronological Report:

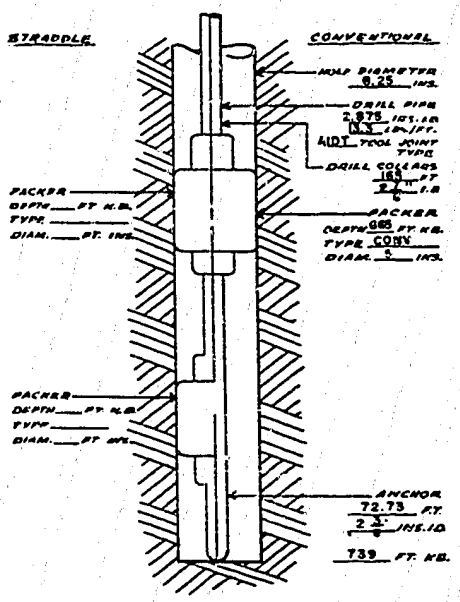
Date 1966	Day	Depth From Feet	Depth To Feet	Progress Feet	Remarks
					Operations ending at 12:00 midnight.
Jan. 27	1	7	195	188	Sedco Rig No. 75 spudded at 7:00 a.m. Drilled 9" hole with Bit No. 1A to 195' at 5:45 p.m. Reaming 9" hole to 9 7/8" from 8:00 p.m. with Bit No. 2A.
Jan. 28	2	195	210	15	Reamed 9" hole to 9 7/8" to 195' at 2:00 a.m. Drilled 9 7/8" hole to 210' with Bit No. 2A at 3:00 a.m. Circulated 1/2-hour. Ran 6 joints (195.06') of 7", 20-lb., J-55, Range 2, new Japanese casing with Davis guide shoe from 4:00 a.m. to 5:00 a.m. Landed casing at 200.79' K.B. Cemented by Sedco with 60 sacks and 2% $CaCl_2$. Plug down at 7:30 a.m. Standing cemented.
Jan. 29	3	210	502	292	Headed up at 7:00 a.m. Ran in with Bit No. 1. Pressured up to 500 psi and held for 15 mins. Drilled 6 1/4" hole from 210' to 470' from 8:15 to 6:15 p.m. Made trip for Bit No. 2. Drilling with Bit No. 2 from 9:30 p.m.
Jan. 30	4	502	697	195	Drilled to 612' with Bit No. 2 at 8:30 a.m. Made trip for Bit No. 3. Drilling with Bit No. 3 from 3:15 p.m.
Jan. 31	5	697	739	42	Drilled to 701' with Bit No. 3 at 12:15 a.m. Twisted off at top of drill collars. Recovered fish at 4:45 a.m. Drilled from 701' to 739' from 5:45 a.m. to 8:30 a.m. with Bit No. 4. Ran Drill Stem Test No. 1 (mis-run) from 666' to 739'. Initial shut-in 30 mins. Flow period 60 mins. Final shut-in 60 mins. Laid down testing tool at 11:30 p.m. Charts indicated tool failed to open. Running in hole with core barrel.

Date 1966	Day	Depth From Feet	Depth To Feet	Progress Feet	Remarks
Feb. 1	6	739	772	33	Cut Core No. 1, 739'-769', from 4:45 a.m. to 8:15 a.m. Out of hole at 10:30 a.m. Recovery 10.0'. Hole started to flow sulphurous salt water while pulling core. Ran in with Bit No. 5, mixed mud, and stopped well flowing at 5:00 p.m. Reamed core hole to 6 1/4" from 6:30 p.m. to 9:15 p.m. Drilled 6 1/4" hole with Bit No. 5 from 769' to 772' from 9:15 p.m. to 9:30 p.m. Unable to continue drilling when U-joint yoke broke on rotary drive. Repaired broken air line and started out of hole.
Feb. 2	7	772	F.T.D.	-	Out of hole at 1:00 a.m. Shut down waiting on parts and repairs to 9:15 a.m. Ran Spontaneous Potential and Resistivity logs by Electronic Logging & Velocity Co. Ltd. from 9:15 a.m. to 10:00 a.m. Total depth by logger 769'. Ran Plug No. 1, 100 sacks and 2% $CaCl_2$ from 772' to 372'. In place at 6:00 p.m. Standing cemented.
Feb. 3	8	772	F.T.D.	-	Felt top of Plug No. 1 at 370' at 2:15 a.m. Set Plug No. 2, 25 sacks and 2% $CaCl_2$ from 250' to 150'. In place at 3:00 a.m. Felt top of Plug No. 2 at 150' at 11:15 a.m. Laid down drill pipe. Spotted 5 sacks in top of surface casing and welded steel plate on top of casing. Prepared for move to next location. Access road not finished. Rig released at 4:00 p.m.

DRILL STEM TEST REPORT

TEST No 1

Well Name Gen.Crude Ranvik Hay River E-30 Location E-30-60-50-115-45
Field or Area Hay River Province Northwest Territories
Testing Company Johnston Testers Ltd. Operator L. Corrigal
Date Commenced January 31, 1966 Date Completed January 31, 1966



Formation Tested Presqu'ile
Section Tested: From 666 To 739 ft.
Mud Properties: Wt. 10.7 Vis. 38 sec.
Filtrate - c.c. Filter Cake - ph.
Water Cushion Nil ft.
Type of Packer Conventional
Choke Size, surface - Bottom Hole 1/2"

	Time	Remarks
Tester started in hole	13:00	
Tester on bottom	16:20	
Tester opened	17:45	Tool failed to open.
Tester closed	18:45	
Tester pulled loose	19:45	
Tester out of hole	22:00	
Initial Closed In	- hrs.	30 mins.
Flow Period	- hrs.	60 mins.
Final Closed In	- hrs.	60 mins.

Weight:
Set on Packer 10,000 lbs. Pull Packer Loose 10,000 lbs.
Weight drill pipe Before Test 10,000 After Test 10,000
Mud level in casing Full
Nature of Blow None - Tool did not open.
Maximum Surface Pressure Nil

Gas Flow: Nil MCF/day: How Gauged By
Oil Flow Nil bbls. in hrs: Est. 24-hr. Flow Rate How Gauged
Size flow line - Inch. I.D. Size Orifice inch.

Recovery in Drill Pipe:

				Remarks
Free oil	stands	feet	bbls.	
Mud	stands	feet	bbls.	
Water	stands	feet	bbls.	

Gravity of oil - ° API @ °F.
Oil sample obtained - Water sample obtained -
Temperature: - °F. @ Ft. K.B.
Pressures: Type of pressure bomb(s) used AKI - 2300; MOJT - 3000

Initial Hydrostatic Mud Pressure	354	Final Hydrostatic Mud Pressure	355 P.S.I.G.
Initial Closed in Pressure		Final Closed In Pressure	P.S.I.G.
Initial Flow Pressure	Mis-run, tool plugged.	Final Flow Pressur	P.S.I.G.

REMARKS
Mechanically, was Test Satisfactory? No. Mis-run. Charts indicated tool failed to open.

Engineer Norman Soul, P. Geol.
J. C. SPROULE AND ASSOCIATES LTD., CALGARY

CASING AND CEMENT REPORT

Well Name Gen. Crude Ranvik Hay River E-30 Date January 28, 1966

Casing Record: (Show complete details for each type of casing run in mixed strings.)

Time Casing Started in Hole: 4:00 a.m. Time finished running casing: 5:00 a.m.

SIZE O. D.	WEIGHT LB/FT.	GRADE	RANGE 1, 2 OR 3	COUPLING LONG / SHORT	THREAD	MAKE	NO. OF JOINTS	AMOUNT
7"	20	J-55	2	Short	8 round	Japanese	6	193.76
						TOTALS	6	193.76

Type of Shoe: Davis Guide Shoe ~~Type~~ of Collars: Length: 1.30

Stick-up on last joint of pipe: -- ft.

Make - up allowance: -- ft.

Total: -- ft.

Total length of pipe run: 195.06

Distance from K. B. to ground level: 7.00

Pipe landed at: 200.79

CENTRALIZERS		
NO.	MAKE	LOCATION JOINTS
Nil		

SCRATCHERS		
NO.	MAKE	LOCATION JOINTS
Nil		

CEMENTING RECORD

No. of Sacks Cement Mixed: 60

Weight of Slurry: -

% Aquagel Used: Nil

% Calcium Chloride: 2

Time Started Mix Cement: -

Time Completed Mixing: -

Time Started Pump Plug Down: -

Time Plug On Bottom: 7:30 a.m.

Displacement Fluid Used (Bbls.): -

Max. Displacement Pressure: -

Plug Pump Pressure: -

Was Pressure Left On? -

How Much? -

Mud Weight — -

Viscosity -

Water Loss -

If Pressure Released,

How Much Bled Back? -

Remarks: (To include comments on tight hole, stuck pipe, etc.)

Obtained three barrels cement returns.

Pipe Tally:

Joint No.	Length Feet
1	32.50
2	32.56
3	32.18
4	32.10
5	32.10
6	32.32
	193.76
Total Casing	193.76
Davis Guide Shoe	1.30
Grand Total	195.06

Bit Record:

No.	Size Inches	Make	Type	Depth In Feet	Depth Out Feet	Footage	Hours	Condition
1A	9	Reed E16261	YT3	7	195	188	10 1/4	
2A	9 7/8	HW Re-Run	OSC-3	7	210	203	5	Reamed 188'.
1	6 1/4	Reed 93009	YT3	210	470	260	8 1/2	
2	6 1/4	Reed E16212	YT1A	470	612	142	10 3/4	
3	6 1/4	Reed E16216	YT1A	612	701	89	8	Loose bearings.
4	6 1/4	Reed E16213	YT1A	701	739	38	2 1/2	Good.
5A	4 11/16	Christensen Diamond	EC2513	739	769	30	3 1/2	Cored.
5	6 1/4	Reed E16211	YT1A	739	772	33	1 3/4	Reamed 30'.

Mud Record:

Date 1966	Depth Feet	Weight Lb./Gal.	Viscosity Sec.	Water Loss cc	pH	Additives
Jan. 27	195	-	-	-	-	Gel 1,500 lb. Sawdust 10 sacks.
Jan. 28	210	-	-	-	-	-
Jan. 29	502	-	-	-	-	Gel 700 lb. Sawdust 4 sacks.
Jan. 30	697	-	-	-	-	-
Jan. 31	739	10.7	37	-	-	-
Feb. 1	772	-	-	-	-	Gel 3,500 lb. Caustic 50 lb.

Summary of Mud Used: Gel - 57 sacks
Sawdust - 14 sacks
Caustic - 50 lb.

Deviation Surveys: None

Abandonment Plugs:

No.	Interval Feet	Cement	Remarks
1	772-372	100+ sx Gel	Top felt at 370'
2	250-150	25+ "	Top felt at 150'
3	Top of Casing	5	Steel plate welded on top of casing.

SECTION IV

Logs:

Company	Name	Depth	Scale
Electronic Logging and Velocity Co. Ltd.	Spontaneous Potential	200'-769'	2" - 100'
	Resistivity	200'-769'	2" - 100'

SECTION V

Water Analysis:

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C66-262

Received: March 30, 1966 Reported: April 1, 1966

Well: Location: Gen. Crude Ranvik Hay River E-30-60-50-115-45

Operator: Westmore & Associates

Field or Area:

Elev.: K.B. Grd. Zone/Formation: Presqu'ile

Sample Interval: 768'

Method of Production: Flowing Sampled from:

Sampled by:

Date: Feb. 1, 1966

OTHER PERTINENT DATA

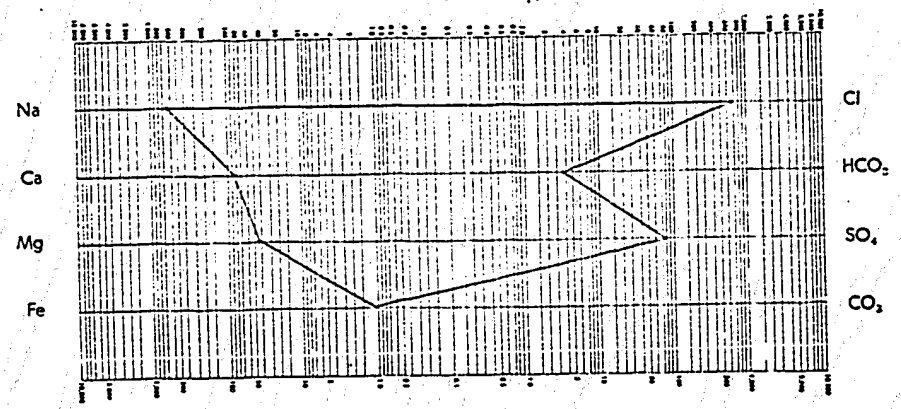
(Signed)

	Na&K		Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	14,595		1,646	558					3,822	24,100				230		
Meq./L	634.88		82.14	45.87					79.50	679.62				3.77		
Meq. %	41.61		5.38	3.01					5.21	44.54				0.25		

Total Solids Mg/L: By Evaporation 47,600 Fe Trace Specific Gravity 1.036 @60°F Observed pH 7.7 @ 66 °F

Calculated 44,951 After Ignition 43,960 H_2S Present Refractive Index @25°C Resistivity 0.164 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

J. C. SPROULE AND ASSOCIATES LTD.

GEOLOGICAL AND ENGINEERING SUMMARY

Gen. Crude Ranvik Hay River E-30 was spudded on January 27, 1966, and completed drilling at a total depth of 772 feet on February 1, 1966.

The top of the Slave Point Formation was picked at 428 feet and no significant porosity or oil staining was observed in the cuttings from the formation. The basal part of the formation consists of dark greenish grey shale. The top of the Presqu'ile Reef complex is placed at 708 feet. An unsuccessful drill stem test was made of the interval from 666 feet to 739 feet. One core was then taken and the hole started to flow sulphurous salt water while the core was being pulled. A sample of the water was obtained for analysis. Oil staining was observed in cuttings from the top of the Presqu'ile but it was concluded that the reef is essentially salt water laden at this locality. The thickness of the reef was not determined as drilling was terminated due to repairs having to be made on the drilling rig.

The well was logged, two cement plugs were run, and the hole was abandoned in accordance with government regulations approved by the Oil Conservation Engineer.

Norman Soul

Norman Soul, P. Geol.

1009 Fourth Avenue S. W.,
Calgary, Alberta.
April 6, 1966.
NS/fc

JOHNSTON TESTERS

JOHNSTON TESTERS

JTL-CD-4

TEST DATA

Formation			Zone Thickness			Ft.	
Interval	665	To	738	T.D.	738		
Type of Test	OPEN HOLE, BOTTOM HOLE						
Time Started in Hole	1300		Hrs.	Tool Open	1650	Hrs.	
First Flow	20	Min.	Shut In		35	Min.	
Second Flow	60	Min.	Final Shut In		60	Min.	
Pulled Loose @	1945	Hrs.	Out of Hole		2200	Hrs.	
Wt. Set on Packer	10,000		# Pulled Loose Wt.		10,000	#	

Remarks

Description of Blow During Test MIS-RUN, PLUGGED TOOL.

GAS BLOW MEASUREMENTS

Measured with I.D. Riser or Est. ☐

Type of Instrument

Time	Sfce. Choke	Reading inches	Cubic Feet/Day

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☒

Fluid Recovered (Total) 40' Ft.

Description of Fluid Recovered 40' DRILLING FLUID.

Remarks MIS-RUN PLUGGED TOOL.

Co. Rep. N. SOUL

Tester L. CORRIGAL

Elevation	545 KB	540 GL	
Bottom Hole Choke Size	1/2"		
Fluid Cushion Type			
Amount			

TOOL SEQUENCE

Tool	Length	O.D.
D.P. SUB.	.85	
SHUT IN TOOL	6.06	
HYD. TOOL	7.45	
JARS	6.86	
SAFETY JT.	1.75	
T.C. & PKR.	5.25	
TOTAL	28.22	
STUB	1.50	
RECORDER	4.40	
RECORDER	5.90	
PERF.	4.42	
PERF.	5.00	
PERF.	5.02	
PERF.	4.97	
PERF.	4.73	
PERF.	5.00	
PERF.	4.90	
PERF.	5.00	
PERF.	5.10	
PERF.	5.05	
PERF.	1.95	
PERF.	3.25	
PERF.	3.95	
PERF. & B.N.	2.59	
TOTAL INTV.	72.73	
TOTAL LENGTH	100.95	

MUD AND HOLE DATA

Mud Type GEL W.L.

Filter Cake 2/32 Visc. 38 Wt. 10.7

Time Taken 1000 HRS.

Contractor SEDCO DRILLING Rig No. 75

Drill Pipe Size 3 1/2 IF

Drill Collar Size 2 7/8 ID Length 530'

Main Hole Size 6 1/2"

Rat Hole Size 6 1/4"

District	EDMONTON	Ticket No. C-6882	Date JANUARY 31/66
Company	J.C. SPROULE AND ASSOCIATES	Address 1009- 4TH AVENUE S.W., CALGARY, ALBERTA	
Well Name	GEN CRUDE RANVIK HAY RIVER	Test No. 1	J.T.L. Test No. 1
Number	#E-30 #60°-49'-A"N-115°-50'-	Field HAY RIVER	Province N.W.T.
Formation	29.77"-W 23.57	Consultant	
and Interval	665-738 DST# 1		
Distribution of Reports		10 - CALGARY	

JTL-CD-5A

OHMSTON TESTERS

PRESSURE DATA

INSTRUMENT No.		AK1-2259	T-4911		
CAPACITY (psig)		2300	3000		
INSTRUMENT DEPTH		667	672		
INSTRUMENT OPENING		INSIDE	INSIDE		
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F.		80° EST.	80° EST.		
INITIAL HYDROSTATIC	A	354#	353#		
FIRST FLOW	B	MIS-RUN, TOOL PLUGGED.			
INITIAL SHUT-IN	C				
SECOND FLOW	D				
SECOND SHUT-IN	E				
THIRD FLOW	F				
FINAL SHUT-IN	G				
FINAL HYDROSTATIC	H	355#	353#		

FIELD REPORT No. C-6882

TIME DATA

	TIME GIVEN	TIME COMPUTED
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
	MINS	MINS
CLOCK TRAVEL		IN/MIN.

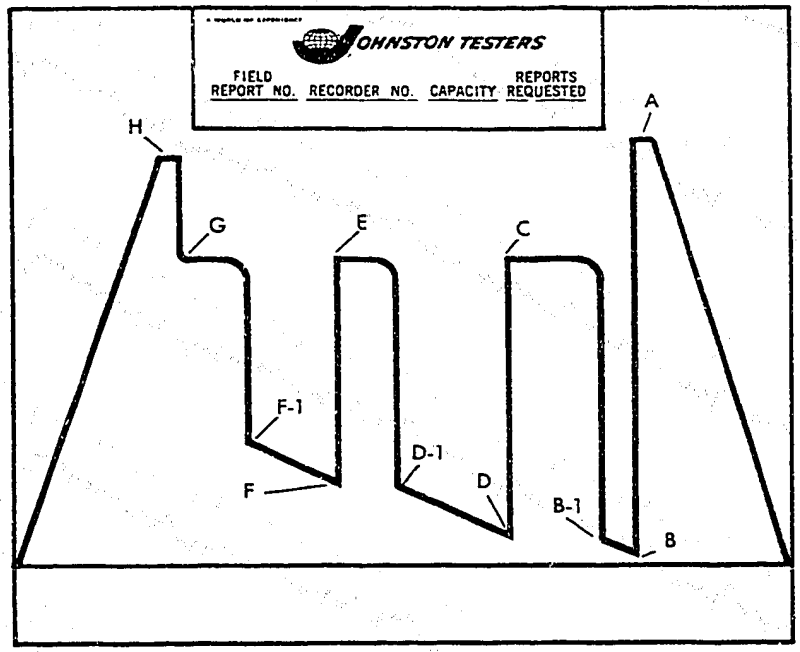
REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta T}$

JOHNSTON TESTERS

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 pumpng pressures recorded for formation breakdown.

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 394

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS

RIG No. 75 LOCATION Gen Crude Ranvik D-30 AREA Hay River DATE Feb 3/66

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E Poudrier	8
Derrick Gerald Medalee	8
Floor Gary Medalee	8
Floor W Jackson	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump Pressure Model							
Pump S.P.M. Model							
Pump S.P.M. Model							
Pump Liner Size Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1		Gals.
2		WATER
3		Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General Plug #2 150 To 250
cemented with 25 sks cement 2% calcium
Plug down 8 AM

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller SCHNEIDER	12
Derrick H Burke	12
Floor K Burke	12
Floor D. Goodine	12
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump Pressure Model							
Pump S.P.M. Model							
Pump S.P.M. Model							
Pump Liner Size Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1		Gals.
2		WATER
3		Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller Poudrier	4
Derrick Medalee	4
Floor Medalee	4
Floor Jackson	4
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIDE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump Pressure Model							
Pump S.P.M. Model							
Pump S.P.M. Model							
Pump Liner Size Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1		Gals.
2		WATER
3		Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

REMARKS	Time Start	Stop	Interval
W. O. C.	12:00	2:00	2
Feel Plug #1 at 270'	2:00	2:30	½
Run Plug # 2	2:15	3:00	¾
W. O. C.	3:00	8:00	5
GEN CRUDE RANVIK HAY RIVER D—30			
Company Time 8 Cont'r Time 0			
W. O. C	8:00	11:00	3
Feel plug #2 at 150 FT.	11:00	11:15	¼
Lay down pipe.	11:15	11:30	¼
Lay down rig & loading up To move	11:30	4:00	4½
Rig released at 4.00 pm			
Company Time 8 Cont'r Time 0			
loading up To move	4:00	8:00	8

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher A. Watts

Total Company Time _____ Hrs. Approved by Norman Doull

FORM E-2

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 393 (7)

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS

RIG No. 75 LOCATION Gen Crude Ranvik D-30 AREA Hay River DATE Feb 2 1964

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. Poudrier	8
Derrick Gerald Medalac	8
Floor Gary Medalac	8
Floor W. Jackson	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
772	—	772	—											

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree	MOTOR HOURS	Next Oil Change	FUEL
WEIGHT								1		Gals.
VISCOSITY								2		WATER
GEL								3		Bbls.
Pump Pressure Model								4		COAL
Pump Pressure Model								5		Tons
Pump S.P.M. Model										
Pump S.P.M. Model										
Pump Liner Size Model										
Pump Liner Size Model										

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

W.L. F.C. pH.

General

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller Ron Schnieder	12
Derrick A. Burke	12
Floor H. Burke	12
Floor D. Goodine	12
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
772	FTD	FTD.												

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	8 a.m.	10 a.m.	12noon	2 p.m.	Additives	At Surveys	Degree	MOTOR HOURS	Next Oil Change	FUEL
WEIGHT					Ran electric log.			1		Gals.
VISCOSITY					From ~~T.D.~~ To Surface			2		WATER
GEL					Pipe.			3		Bbls.
Pump Pressure Model					Electronic Logging & Velocity Co Ltd			4		COAL
Pump Pressure Model					TD 769' by E-log.			5		Tons
Pump S.P.M. Model										
Pump S.P.M. Model										
Pump Liner Size Model										
Pump Liner Size Model										

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

W.L. F.C. pH.

General Plug #1 372 to 772
cemented with 100 sks cement 2% calcium
Plug down 6 P.M. a.l.

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller E Poudrier	4
Derrick Gerald Medalac	11
Floor Gary Medalac	11
Floor W. Jackson	11
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree	MOTOR HOURS	Next Oil Change	FUEL
WEIGHT								1		Gals.
VISCOSITY								2		WATER
GEL								3		Bbls.
Pump Pressure Model								4		COAL
Pump Pressure Model								5		Tons
Pump S.P.M. Model										
Pump S.P.M. Model										
Pump Liner Size Model										
Pump Liner Size Model										

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

W.L. F.C. pH.

General

REMARKS	Time Start	Stop	Interval
Finish Pulling out	12⁰⁰	1⁰⁰	1
wait on Parts	1⁰⁰	8⁰⁰	7
Change Swabs in Mud Pump			
Re bolt rotary 2 speed			
GEN CRUDE RANVIK HAY RIVER D—30			
Company Time 1 Cont'r Time 7			
Pull Collars to log -	8⁰⁰	9¹⁵	1¼
check Bop			
Logging	9¹⁵	10 AM	1¾
Rig Service	10⁰⁰	10³⁰	½
Prepare to run cement	10³⁰	12³⁰	2
Run in to cement - circ.	12³⁰	2⁵⁰	2
Run 50 sks cement plug #1	2³⁰	4⁰⁰	1½
~~Pull Inner String to Report~~			
Pull Pipe	5³⁰	6⁰⁰	½
W.O.C.			
Company Time 8 Cont'r Time			
Pull Back 7 Joints & Run 50 sks cement	4⁰⁰	5³⁰	1½
Pull Pipe	5³⁰	6⁰⁰	½
W.O.C.	6⁰⁰	12⁰⁰	6
Company Time 8 Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time 7 Hrs. Toolpusher A. Tuttle

Total Company Time 17 Hrs. Approved by Norman Bond

FORM E-2

SEDCO DAILY DRILLING REPORT

RIG No. 75 LOCATION Gen Crude Ranvik D-30 AREA Hay River DATE Feb 1/66

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller E. Poudrier	8
Derrick Gerard Medonec	8
Floor Gary Medonec	8
Floor W. Jackson	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
739	28	767	3	4		

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
					3438	8.81	11' at 739'

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
BITS	4A	4 11/16	Christensen	EC 2513	4000	65	28	3			Good

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				10.7
VISCOSITY				37
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives

At Surveys Degree

MOTOR HOURS: 1 | 2 | 3 | 4 | 5

Next Oil Change

FUEL ____ Gals. WATER ____ Bbls. COAL ____ Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller A. Schneider	12
Derrick H. Burke	12
Floor K. Burke	12
Floor D. Goodine	12
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
767	2	769	1/2	4		

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
BITS	5	6 1/4	Reed YT1A	E16211			—		—		
	4A	4 11/16	Christensen	EC 2513	4000	65	30	3 1/2			Good

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives

At Surveys Degree

MOTOR HOURS: 1 | 2 | 3 | 4 | 5

Next Oil Change

FUEL ____ Gals. WATER ____ Bbls. COAL ____ Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General CORE No 1 739'-769' Recovery 10'

W.L. F.C. pH.

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller E Poudrier	4
Derrick Gerald Medonec	4
Floor Gary Medonec	4
Floor W. Jackson	4
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
769	3	772	1/4			

DRILL COLLARS

No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
BITS	5	6 1/4	Reed YT1A	E16211	7000	95	3	1/4	30	1 1/2	Good

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				
Pump Pressure Model				
Pump Pressure Model				
Pump S.P.M. Model				
Pump S.P.M. Model				
Pump Liner Size Model				
Pump Liner Size Model				

Additives: 50 Lbs. Caustic; 3500 Lbs Gel.

At Surveys Degree

MOTOR HOURS: 1 | 2 | 3 | 4 | 5

Next Oil Change

FUEL ____ Gals. WATER ____ Bbls. COAL ____ Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

W.L. F.C. pH.

Totco Ring on Bit No. ____ D.P. Calipered Date ____ Results ____ From Pipe Rack ____

B.O.P. Test-Operated ____ Time ____ Results ____

FORM E-2

DAY WORK RECORD

No 392

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS. (6)

REMARKS	Time Start	Stop	Interval
~~Drlg~~ ~~D.P. & K. Coring~~			
Work on Pumps + Brakes	12 00	2 00	2
Service Core Barrel + Runin	2 00	5 00	3
Cutting Core #1	5 00	8 00	3
GEN CRUDE RANVIK HAY RIVER D—30			

Company Time 8 Cont'r Time

Coring + Check BOP ok.	8 00	8 30	1/2
Pull Core Barrel	8 30	12 30	4
Run in to drill ahead (Well started to flow at 10.20 am)	12 30	1 30	1
Pump out Pit	1 30	4 00	2 1/2

Company Time 8 Cont'r Time

Mix Mud. (Flowing well)	11 00	6 00	2
Ream	6 00	7 00	1
work on Pump clutch	7 00	7 30	1/2
Ream out Core Hole	7 30	8 00	1/2
Rig Service	8 00	8 30	1/2
Reamed to 769	8 30	9 15	3/4
Drilled from 769' to 772'	9.15	9.30	1/4
Brake trouble on Rotary Drive. Repair Brake	9 30	12 00	2 1/2
+ start out of Hole			
UNABLE TO CONTINUE DRILLING			

Company Time 5 1/2 Cont'r Time 2 1/2

Total Contractor Time 2 1/2 Hrs. Toolpusher Al Trottier

Total Company Time 21 1/2 Hrs. Approved by Norman Lund

GEN CRUDE RANVIK HAY RIVER D-30

SEDCO DAILY DRILLING REPORT

DAY WORK RECORD No. 391

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS (5)

RIG No. 75 LOCATION Gen. Crude Ranvik D-30 AREA Hay River DATE Jan. 31 1966

Tour — Midnight - 8 a.m.

Specify actual hours worked	Hrs.
Driller F. Boudrier	8
Derrick Gerard Mederos	8
Floor Gary Mederos	8
Floor W. Jackson	8
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
697	32	729	3	14			8	4¾						

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	3	6¾	Reed YTIA	E 16216	11000	85	88	8			Loose Bearings
	4	6¾	Reed YTIA	E 16213	11000	85	28	2¼			

MUD	12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump S.P.M. Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1		Gals.
2		WATER
3		Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked	Hrs.
Driller R. Schneider	12
Derrick H. Burke	12
Floor K. Burke	12
Floor D. Goodine	12
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
729	10	739	¼	11			8	4¾						

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
	4	6¾	Reed YTIA	E 16213	11000	85	38	2½			Green

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	Additives	At Surveys	Degree
WEIGHT		107					
VISCOSITY		37					
GEL							
Pump Pressure Model							
Pump S.P.M. Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1		Gals.
2		WATER
3		Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General

Tour — 4 p.m. to Midnight

Specify actual hours worked	Hrs.
Driller F. Boudrier	11
Derrick Gerard Mederos	11
Floor Gary Mederos	11
Floor W. Jackson	
Floor	
Motor	
Mechanic	
Extra	

Injuries:

Fires:

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O. D.	I. D.	Length	Wgt.	C.B. Ft.	Subs Ft.	Ft. Up On Kelly
739	0	739	0											

IT IS ESSENTIAL TO RECORD SIZE OF JET NOZZLES OR WATER COURSES

BITS	No.	Size	Type & Jet Size	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys	Degree
WEIGHT							
VISCOSITY							
GEL							
Pump Pressure Model							
Pump S.P.M. Model							
Pump Liner Size Model							

W.L. F.C. pH.

MOTOR HOURS	Next Oil Change	FUEL
1		Gals.
2		WATER
3		Bbls.
4		COAL
5		Tons

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip

General DST No 1 666'-739' MISRUN VALVE DID NOT OPEN.

REMARKS	Time Start	Stop	Interval
Drlg to 700'	12.00	12.30	½
Twisted off, Fishing + Run in with new bit Bit No 4	12.30	5.30	5
Drlg with Bit No 4	5.30	8.00	2½
Twist off at top of drill collars			
Pull out of hole	12.30	1.30	1
Recover fish	1.30	4.45	3¼
Run in with Bit No 4	4.45	5.45	1
Drilling with Bit No 4	5.45	8.00	2¼
Company Time 4¾ Cont'r Time 3¾			
Drlg	8.00	8.15	¼
Fix Rotary Clutch	8.15	9.00	¾
Circulating + Check B.O.P.	9.00	9.15	¼
Pull out To Test	9.15	10.45	1½
Run in With Tester	10.45	3.30	4¾
Rig Service	3.30	4.00	½
RUNNING DST NO 1			
666-739			
Company Time 8 Cont'r Time			
Testing	4.00	8.00	4
Pull Tester	8.00	9.30	1½
Break down Tester	9.30	11.00	1½
Pick up Core Barrel	11.00	11.30	½
Rig Service	11.30	12.00	½
First flow	4.45	5.15	½
I SI	5.15	5.45	½
Flow Period	5.45	6.45	1
Final Shut in	6.45	7.45	1
Pulled out	7.45	10.00	2¼
Laid down tool	10.00	11.30	1½
Picked up core bbl	11.30	12.00	½
Company Time Cont'r Time			

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____

B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time 3¾ Hrs. Toolpusher Al Lattie

Total Company Time 20¾ Hrs. Approved by Norman Dant

FORM E-2

SEDCO

GEN CRUDE RANVIK HAY RIVER D—30

DAILY DRILLING REPORT

Company: (B.C. Drouble) GENERAL CRUDE OIL COMPANY

Well Gen. Crude Ranvik Hay River D30 Contractor Sedco Exploration Type Rig GD 2000 Date Jan 30/66 Days on Well 4

DEPTH

1st Tour From: 12 Mid night	To: 8 AM			
From	To	Hole Made	Hole Size	Formation
500	605	105	6¼	SLAVE POINT

2nd Tour From: 8 AM	To: 4 PM			
From	To	Hole Made	Hole Size	Formation
605	623	18	6¼	SLAVE POINT

3rd Tour From: 4 PM	To: 12 Mid.			
From	To	Hole Made	Hole Size	Formation
623	697	74	6¼	SLAVE POINT

DRILL PIPE

Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.

Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.

Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.

BIT RECORD

No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	FEET Reamed
2	YT1A	470	running	10	605		135	—

Bit Serial No. (2) E16212 R.P.M.

No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	FEET Reamed
3	YT1A	612	running	1	623		11	30
2	YT1A	470	612	10¾			142	

Bit Serial No. (3) E16216 R.P.M.

No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	FEET Reamed
3	YT1A	612	running	7½	697		85	30 tight

Bit Serial No. (3) E16216 R.P.M.

SURVEYS

Kind at Ft. Deg. off

Kind at Ft. Deg. off

Kind at Ft. Deg. off

SLUSH PUMP RECORD Pump No. 1

HOURS On Line	HOURS Circulating	Line Press	REPAIRS Yes	REPAIRS No

HOURS On Line	HOURS Circulating	Line Press	REPAIRS Yes	REPAIRS No

HOURS On Line	HOURS Circulating	Line Press	REPAIRS Yes	REPAIRS No

MUD RECORD

Wt.	Visc.	W.L.	Time	Additives

Wt.	Visc.	W.L.	Time	Additives

Wt.	Visc.	W.L.	Time	Additives

CORING

From	To	Ft. Rec'd.	Core No.	Type Bbl.
			Hrs.	

From	To	Ft. Rec'd.	Core No.	Type Bbl.
			612	
			Hrs.	

From	To	Ft. Rec'd.	Core No.	Type Bbl.
				Hrs.

Total Contract Time ____ hrs. Total Company Time 8 hrs.

DETAIL OF OPERATIONS AND REMARKS

TIME Start	TIME Stop	TIME Interval	REMARKS
12:00	3:00	3	drlg
3:00	3:30	½	work on Rotary Clutch
3:30	8:00	4½	drlg

Driller Poudrier Nodelec Nodelec Jackson

8 8 8 8

Total Contract Time ____ hrs. Total Company Time 8 hrs.

TIME Start	TIME Stop	TIME Interval	REMARKS
8:00 Drilling	8:45	¾	Check B.O.P. OK & Trip
8:45	3:00	6¼	For N.B. fix 2 Rounds Rotary
			TRANSMISSION & rig SERVICE
			Ream last 30 Ft. & work
			on pump 2 Rounds
3:00	4:00		Drilling

Driller R. SCHNEIDER. H. Burke K. Burke Gooding

12 12 12

Total Contract Time ____ hrs. Total Company Time 8 hrs.

TIME Start	TIME Stop	TIME Interval	REMARKS
4:00	4:30	½	work on pump
4:30	8:00	3½	Drilling
8:00	9:00	1	Repair Rotary drive u Joint
9:00	12:00	3	drlg

Driller Poudrier Nodelec Nodelec Jackson

Toolpusher O. Watts

Approved by Norman Dahl

SEDCO — GEN CRUDE RANVIK HAY RIVER D-30 — DAILY DRILLING REPORT

Company: (JC SProule) GENERAL CRUDE OIL COMPANY

Well Gen. Crude Ranvick Hay River D-30 Contractor Sedco Exploration Type Rig GD 2000 Date Jan 29/66 Days on Well 3

	1st Tour From: 12 AM To: 8 AM	2nd Tour From: 8 AM To: 4PM	3rd Tour From: 4PM To: 12 Mid.
DEPTH	From: 210 To: 210 Hole Made: — Hole Size: 9 7/8" Formation: FORT SIMPSON	From: 210 To: 443 Hole Made: 233 Hole Size: 6 1/4 Formation: SLAVE POINT	From: ~~443~~ To: 500 Hole Made: 57 Hole Size: 6 1/4 Formation:
DRILL PIPE	Stds. / Singles / Kelly / Drill Collar Ft. / Core Bbl. Ft.	Stds. / Singles / Kelly / Drill Collar Ft. / Core Bbl. Ft.	Stds. / Singles / Kelly / Drill Collar Ft. / Core Bbl. Ft.
BIT RECORD	No. 1 · Type YT3 · On Bottom At — · Pulled At · Total Hours Run · Depth · Wt. Lbs. · FEET Drilled · FEET Reamed	No. 1 · Type YT3 · On Bottom At 210 · Pulled At Running · Total Hours Run 6½ · Depth 443 · Wt. Lbs. · FEET Drilled 233 · FEET Reamed —	No. 1 · Type YT3 · On Bottom At 210 · Pulled At 470 · Total Hours Run 8½ · Depth 470 · Wt. Lbs. · FEET Drilled 260 · FEET Reamed — ; No. 2 · Type YT1A · On Bottom At 470 · Pulled At running · Total Hours Run 2½ · Depth 500 · Wt. Lbs. · FEET Drilled 30 · FEET Reamed —
	Bit Serial No. 93009 R.P.M.	Bit Serial No. 93009 R.P.M.	Bit Serial No. (1) 93009 (2) E16212 R.P.M.
SURVEYS	Kind at Ft. Deg. off	Kind at Ft. Deg. off	Kind at Ft. Deg. off
SLUSH PUMP RECORD Pump No. 1	HOURS On Line / Circulating · Line Press · REPAIRS Yes / No	HOURS On Line / Circulating · Line Press · REPAIRS Yes / No	HOURS On Line / Circulating · Line Press · REPAIRS Yes / No
MUD RECORD	Wt. / Visc. / W.L. / Time / Additives	Wt. / Visc. / W.L. / Time / Additives: 700 lbs Gel. 4 Sks Sawdust	Wt. / Visc. / W.L. / Time / Additives
CORING	From / To / Ft. Rec'd. / Core No. / Type Bbl. … Hrs.	From / To / Ft. Rec'd. / Core No. / Type Bbl. … Hrs.	From / To / Ft. Rec'd. / Core No. / Type Bbl. … Hrs.
	Total Contract Time ____ hrs. Total Company Time 8 hrs.	Total Contract Time ____ hrs. Total Company Time 8 hrs.	Total Contract Time ____ hrs. Total Company Time 8 hrs.

DETAIL OF OPERATIONS AND REMARKS

TIME Start	TIME Stop	Interval	REMARKS
12:00	3:00	3:00	W.O.C.
3:00	7:00	4:00	Heading up
7:00	8:00	1	Runin Pressure up 500/lbs for 15 min

Driller Poudrier Nedelec Nedelec Jackson — 8 8 8 8

TIME Start	TIME Stop	Interval	REMARKS
8:00	9:00	1	Drilling
9:00	9:30	½	work on pump rig Service
9:30	10:30	1	Drilling
10:30	11:00	½	mix mud
11:00	12:30	1½	Drilling
12:30	1:00	½	[redacted] FIX RECORDER CABLE
1:00	4:00	3	Drilling

Driller R. SCHNEIDER - H. BURKE - K. BURKE Bodine — 12 12 12

TIME Start	TIME Stop	Interval	REMARKS
4:00	6:00	2	Drilling
6:00	8:30	2½	Trip for N.B.
8:30	9:00	½	Repair Rotary 3S speed
9:00	9:30	½	work on Pumps
9:30	12:00	2½	drlg wid Bit No 2

Driller Poudrier Nedelec Nedelec Jackson — 12

Toolpusher A. Watts

Approved by Norman Beal

SEDCO GEN CRUDE RANVIK HAY RIVER D-30 — DAILY DRILLING REPORT

Company: (J.C. S Proule) GEN CRUDE OIL COMPANY

Well Gen Crude Ranvik Hay River D-30 Contractor Sedco Exploration Type Rig GD 2000 Date Jan 28/66 Days on Well 2

	1st Tour From: 12 Mid To: 8AM	2nd Tour From: 8AM To: 4PM	3rd Tour From: 4PM To: 12 Mid.
DEPTH	From 195 / To 210 / Hole Made 15 / Hole Size 9 7/8 / Formation FORT SIMPSON	From 210 / To 210 / Hole Made — / Hole Size 9 7/8 / Formation FORT SIMPSON	From 210 / To 210 / Hole Made — / Hole Size 9 7/8" / Formation FORT SIMPSON
DRILL PIPE	Stds. / Singles / Kelly / Drill Collar Ft. / Core Bbl. Ft.	Stds. / Singles / Kelly / Drill Collar Ft. / Core Bbl. Ft.	Stds. / Singles / Kelly / Drill Collar Ft. / Core Bbl. Ft.
BIT RECORD	No. 2A / Type Hughes 7 / On Bottom At 210 / Pulled At / Total Hours Run 5 / Depth 210 / Wt. Lbs. / FEET Drilled 15 / Reamed 188 ~~15~~	No. — / Type / On Bottom At / Pulled At / Total Hours Run / Depth / Wt. Lbs. / FEET Drilled / Reamed	No. — / Type / On Bottom At / Pulled At / Total Hours Run / Depth / Wt. Lbs. / FEET Drilled / Reamed
	Bit Serial No. RERUN R.P.M.	Bit Serial No. — R.P.M.	Bit Serial No. — R.P.M.
SURVEYS	Kind at Ft. Deg. off	Kind at Ft. Deg. off	Kind at Ft. Deg. off
SLUSH PUMP RECORD Pump No. 1	HOURS On Line 32.50 / Circulating 3256 32.18 / Line Press 32.10 / REPAIRS Yes 32.10 / No 32.32	HOURS On Line / Circulating / Line Press / REPAIRS Yes / No	HOURS On Line / Circulating / Line Press / REPAIRS Yes / No
MUD RECORD	Wt. / Visc. / W.L. / Time / Additives	Wt. / Visc. / W.L. / Time / Additives	Wt. / Visc. / W.L. / Time / Additives
CORING	From / To / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Rec'd. / Core No. / Type Bbl.	From / To / Ft. Rec'd. / Core No. / Type Bbl.
	Hrs.	Hrs.	Hrs.
	Total Contract Time ____ hrs. Total Company Time 8 hrs.	Total Contract Time ____ hrs. Total Company Time 8 hrs.	Total Contract Time ____ hrs. Total Company Time 8 hrs.

DETAIL OF OPERATIONS AND REMARKS

TIME Start	Stop	Interval	REMARKS
12 00	12 30	1/2	Rig Service
12 30	2 00	1 1/2	Reaming
2 00	3 00	1	drlg
3 00	3 30	1/2	Circulating
3 30	4 00	1/2	Pull out
4 00	5 00	1	Run Casing
5 00	6 00	1	Prepare To cement
6 00	7 30	1 1/2	cementing
7 30	8 00		Pump Pits W.O.C.

Driller Poudrier Nedelec Nedelec Jackson

8 8 8

From London at. Rec 200.22 Core No. K B. Type Bbl. Cement 60 Sks. + 2% Calcium.

Down at 7:30 A.M. Jan 28/66.

3 BBLs. Returns. Al. Wattie Hrs.

TIME Start	Stop	Interval	REMARKS
8 00	9 00	1	Jan 29 D. 30
9 00	4 00	7	W.O.C.

Driller R. SCHNEIDER. H BURKE. K. BURKE. O. GOODINE

12 12 12

Toolpusher Al. Wattie

TIME Start	Stop	Interval	REMARKS
4 00	8 00	4	W.O.C.
8 00	12 00	4	W.O.C.

Driller Poudrier Nedelec Nedelec Jackson

4 4 4

Approved by Norman Pond

Company: Sproule General Crude Oil Company

SEDCO — GEN CRUDE RANVIK HAY RIVER D—30 — DAILY DRILLING REPORT

Well Gen. Crude Ranvik Hay River D-30 Contractor Sedco Type Rig G.D. 2000 Date Jan 27/66 Days on Well 1

1st Tour From: 12 M.id To: 8 AM

From	To	Hole Made	Hole Size	Formation
0	25	25	9"	SURFACE

Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.

DRILL PIPE

BIT RECORD

No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	FEET Reamed
1A	YT3	07		1	25		25	

Bit Serial No. E16261 R.P.M.

SURVEYS

Kind at Ft. Deg. off

SLUSH PUMP RECORD Pump No. 1

HOURS On Line	HOURS Circulating	Line Press	REPAIRS Yes	REPAIRS No

MUD RECORD

Wt.	Visc.	W.L.	Time	Additives
				15 bags Gel
				10 Sks. Sawdust

CORING

From	To	Ft. Rec'd.	Core No.	Type Bbl.

Hrs.

Total Contract Time ____ hrs. Total Company Time 8 hrs.

DETAIL OF OPERATIONS AND REMARKS

TIME Start	TIME Stop	Interval	REMARKS
12:00	4:00		Digging Pits
4:00	5:00		W.O. Water
5:00	7:00		Mix Mud
7:00	8:00		Spud in & drlg 9" hole

Driller Poudrier Nedelec Nedelec Jackson

8 8 8 8

2nd Tour From: 8 AM To: 4 PM

From	To	Hole Made	Hole Size	Formation
25	~~163~~	~~138'~~	9"	FORT SIMPSON

Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.

No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	FEET Reamed
1A	YT3	7		8½	163		156	

Bit Serial No. E16261 R.P.M.

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Line Press	REPAIRS Yes	REPAIRS No

Wt.	Visc.	W.L.	Time	Additives

From	To	Ft. Rec'd.	Core No.	Type Bbl.

Hrs.

Total Contract Time ____ hrs. Total Company Time 8 hrs.

TIME Start	TIME Stop	Interval	REMARKS
8:00	1.30	5½	Drilling
130	2:00	½	Fix blocks on Helly
2:00	4:00	2	Drilling
~~4:00~~	~~4:00~~	~~½~~	~~Trip to ream 9" to 9 7/8~~

Driller R. SCHNEIDER & BURKE K. BURKE

12 12 12 12

3rd Tour From: 4 PM To: 12 M.id

From	To	Hole Made	Hole Size	Formation
~~163~~	195	32	9"	FORT SIMPSON

Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.

No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	FEET Reamed
2A	HW/95	7		2½	?			?
1A	YT3	7	195	10¼	195		188	

Bit Serial No. RERUN R.P.M.

Kind at Ft. Deg. off

HOURS On Line	HOURS Circulating	Line Press	REPAIRS Yes	REPAIRS No

Wt.	Visc.	W.L.	Time	Additives

From	To	Ft. Rec'd.	Core No.	Type Bbl.

Hrs.

Total Contract Time ____ hrs. Total Company Time 8 hrs.

TIME Start	TIME Stop	Interval	REMARKS
4:00	5:45	1¾	Drilling
5:45	8:00	2¼	Pull out To ream 9" to 9⅞
8:00	9:30	1½	Reaming
9:30	11:00	1½	Work on Pumps
11	12:00	1	Reaming

Driller Poudrier Nedelec Nedelec Jackson

4 4 4 4

Toolpusher A. Watts

Approved by Norman Sproule