FPC SIBBESTON

H-45

Drilling Authority No. 347
Date Issued 16 January 1969

WELL NAME FPC Sibbeston H-45
FIELD Area:
LOCATION: Unit H Section 45 Grid 61-50 — 122-45
Latitude 61-4-25 Longitude 122-52-40
From Established Reference Marker Shot Point 67 SL 36

U.W.I.R. 61.74027 — 122.87778
U.W.I. 300H562501222450

Rig Release Date: 13-2-69
Status A-W
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
16-1-69	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
3/2/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
4/2/69	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. 37

Date Issued Jan. 16 1969

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

RECEIVED
FEB 28 1969

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 Pac Sidetrack H-45

Permit No. 38[illegible] Lease No.

French Petroleum Co. of Canada Ltd (Permittee, Licensee, Lessee) Exploratory Licence No. 1109

French Petroleum Co. of Canada Ltd (Operator) Exploratory Licence No. 1109

Location: Unit H Section 45 Grid 61° 50', 122° 45'

Latitude 61° 44' 85" Longitude 122° 52' 40"

From Established Reference Marker Shot Point 67 B.M. 39

Universal Well Location Reference 61.7+027° N. Lat 122.8[illegible]° W. Long.

	DATE	DEPTH
Spudded	30/1/69	
Suspended		
Resumed Operations		
Finished Drilling	11/2/69	1507'
Deepened		
Complete (gas/oil)		
Abandoned	13/2/69	
Rig released	13/2/69	

Pool(s)

Interval(s) open to production

Elevation: Gr. 1147 K.B. 1160

Rig No. 54

Drilling Contractor B.C. Indian Petroleums Ltd.

Contractor's Business Licence No. A 11222

CASING RECORD

	Casing Size (inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1.	5½"	J-55	14	292.95	305 K.B.	60 sax + 2% CaCl₂
2.						
3.	8 5/8" Conductor Pipe			10'	4'	2 sacks.
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
Upper Devonian Shale	212	+ 948
Total Depth	1507	- 347

CORE RECORD

From	To	Rec.	From	To	Rec.
914	920	2.5'			
1289	1298	8.5'			

LOG RECORD

Run No.	Type of Log	From	To
1	Gamma-Neutron	10	500
1	Caliper	306	1504
1	Induction	306	1499

Sonic Log - tool stuck on bottom and left in hole.

IAND 52-90(2) (3-67)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Feb,12	1450	1507	15 sax
Feb,12	255	355	25 sax. Felt @ 258'.
Feb. 13	Cut casing 3' below ground level. Ran 5 sax plug at surface, welded on casing. Welded 4" riser on casing with well name plate.		

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
					No tests run									

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
		N11			

PRESENT STATUS OF WELL

Oil ..... (Interval)

Gas ..... (Interval)

Dry .....

Susp. .....

Company French Petroleum Co. of Canada Ltd.

Signed by .....

Title Operations Superintendent

Date February 19, 1963

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

File No.
Drilling Authority No. 347

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well FPC HERBSTON H-45

Location: Unit — Section 45 Grid 51° 50'; 122° 45'

Latitude 51° 44' 25" Longitude 122° 52' 40"

From Established Reference Marker Shot Point 67, S.— 36

Universal Well Location Reference 51.7402° N. Lat.; 122.8772° W. Long

Permit No. 3201 Lease No. —

French Petroleum Co. of Canada Ltd.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program Feb. 11th, 1969

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at —

Gas at —

Water at —

Total Depth 1,507 Date of last operations February 13, 1969

Present condition of well Abandoned Approved by Mr. Thoms Feb. 11/69 via telephone.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 5½"	14#	292.95	305 K.B.	60 sacks + 2% $CaCl_2$	—
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	1450 - 1507		15	
2	255 - 355		25	
3	Surface Plug and Name Plate			

The following logs have been run I.E.S., Caliper log, Cemm Neutron

Other operations proposed

Operations to be carried out by French Petroleum Co. of Canada Ltd. Contractor Licence No. A 11222

Address 635 - 6th Avenue S.W. Calgary, Alta. Address 1318 - 9th Avenue S.E. Calgary

Responsible Agent in field R. E. Wiley

Dated at Calgary this 19th Day of February 19 69

Signed by [signature] Company French Petroleum Co. of Canada Ltd.

Title Operations Superintendent Operator's Exploratory Licence No. 1109

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. Thoms on the 11th February 1969, including Item No. 3.

Dated 3rd February, 1969 B.H.J. Thoms
Oil Conservation Engineer

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

LAND 52-90-(5) (3-67)

POOR COPY

Drilling Authority No. 347

Project No.

File No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL & MINERAL [redacted] 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 FPC SIBBESTON H-45

Location: Unit H Section 45 Grid 61° 50'; 122° 45'

Latitude 61° 44' 25" Longitude 122° 52' 40"

From Established Reference Marker Shot Point 67 LL 36

Universal Well Location Reference 61.74027° N. Lat. 122.87778° W. Long.

Elevation: Ground 1147' KB. feet above sea-level.

Well is expected to produce from formation at a depth of about feet. Expected total final depth 1,500'

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

Permit No. 3281 Lease No. Acreage 60,622

Permittee, licensee, or lessee French Petroleum Company of Canada Ltd.

Exploratory Licence No. 1109

Surface owned by Crown or Crown
(If alienated, indicate 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	New or Used	Estimated Depth	Sacks of Cement
1. 52"	14	J-55	New	250	60
2.					
3.					
4.					
5.					

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

Guiberson (Positive shutoff)
Regan (Hydraulic Packing unit) with closing unit

Well will be drilled with Rotary Rig No. 14 by Big Indian Drilling Co. Ltd.
(Drilling Contractor or company)

1318 - 9th Avenue S.E., Calgary, Alta.

Responsible agent of applicant— Contractor's business Licence No. A 11222

At well R. K. Miley	At registered office R. L. Donaldson
Address 635-6th Ave. S.W. Calgary	Address 635-6th Ave. S.W. Calgary 1, Alta.

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

Dated at Calgary, Alberta this 16th day of January 19 69

Signed by [signature] Company French Petroleum Company of Canada Ltd.

Title Operations Superintendent Operator's Licence No. 1109

(For Resource Management 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 16th January 19 69 [signature] Oil Conservation Engineer (over)

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

IAND 52-90-1 (3-67)

WELL IDENTIFIER: 300345615012245O

POOR COPY

Drilling Authority No. 347

Project No.

File No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL & MINERAL [redacted] 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 FPC SIBBESTON E-45

Location: Unit K Section 45 Grid 61° 50'; 122° 45'

Latitude 61° 44' 25" Longitude 122° 52' 40"

From Established Reference Marker Shot Point 67 SL 36

Universal Well Location Reference 61.74027° N. Lat. 122.87778° W. Long.

Elevation: Ground 1147' K.B. feet above sea-level.

Well is expected to produce from formation at a depth of about feet. Expected total final depth 3,500'

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

Permit No. 3281 Lease No. Acreage 60,622

Permittee, licensee, or lessee French Petroleum Company of Canada Ltd.

Exploratory Licence No. 1109

Surface owned by Crown or Crown (if alienated, indicate 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	New or Used	Estimated Depth	Sacks of Cement
1. 5½"	14	J-55	New	250	60
2.					
3.					
4.					
5.					

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

Cuiberson (Positive shutoff)
Regan (Hydraulic Packing unit) with closing unit

Well will be drilled with Rotary Rig No. 14 by Big Indian Drilling Co. Ltd.
(Drilling Contractor or company)

1318 - 9th Avenue S.E., Calgary, Alta.

Responsible agent of applicant— Contractor's Business Licence No. A 11222

At well R. N. Wiley At registered office R. L. Donaldson

Address 635-6th Ave. S.W. Calgary Address 635-6th Ave. S.W., Calgary 1, Alta.

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

Dated at Calgary, Alberta this 6th day of January 19 69

Signed by [signature] Company French Petroleum Company of Canada Ltd.

Title Operations Superintendent Operator's Licence No. 1109

(For Resource Management 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 (over)

Dated 16th January 19 69

[signature] Oil Conservation Engineer

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

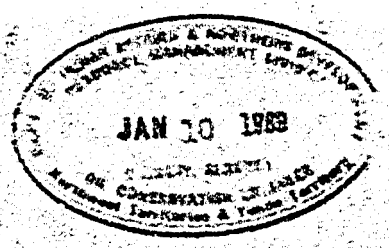
IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: 300H456150122450

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 subsurface waters.

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

B.E.J. Thoms
OIL CONSERVATION ENGINEER



FRENCH PETROLEUM COMPANY
OF CANADA LTD

WELL HISTORY REPORT

PPC Sibbston H - 45

Unit H, Section 45
Grid 61050', 122045'

CONTENTS

Section		Page
I	SUMMARY OF WELL DATA...	1
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VI	COMPLETION SUMMARY.....	10

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
MAY 16 1969
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

WELL HISTORY REPORT

SECTION I

SUMMARY OF WELL DATA

(A)	Well name and number	- FPC Sibbeston H-45 Unit H, Section 45 - Grid 61°50', 122°45'
(B)	Permittee, Licensee, or Lessee	- French Petroleum Company of Canada Ltd.
(C)	Name of Operator	- French Petroleum Company of Canada Ltd.
(D)	Location	- Unit - H Section 45 Grid 61°50', 122°45' Latitude - 61°44'25" Longitude - 122°52'40" From established reference marker - Shot Point 67 Shot Line 36. Universal Well Location Reference - Latitude 61.74027°N Longitude 122.87778°W. Unique Well Identifier - 300H45615O122450.
(E)	Co-ordinates	-
(F)	Permit or Lease Number	- Permit No. 3281
(G)	Drilling Contractor	- Big Indian Drilling Co. Ltd.
	Rig Number	- 14
	Rig Type	- Failing 1500
(H)	Drilling Authority	- 347
	Date	- January 16, 1969
(I)	Classification	- Stratigraphic Test
(J)	Elevations	- Ground level - 1147' Kelly bushing- 1160'
(K)	Spudded	- January 30, 1969
(L)	Completed Drilling	- February 11, 1969
(M)	Total Depth	- 1507'
(N)	Well Status	- Dry and Abandoned
(O)	Rig Released	- February 13, 1969

(P) Hole Sizes to Total Depth - 0' - 311' 7 7/8"
311' - 1507' 6 3/4"

(Q) Casing

Size	Weight	Amount	Set at:	Cement & Add.	Amount Pulled
5½"	14	292.95	305 K.B.	60 sacks +2% CaCl2	-
Conductor Pipe					
8 5/8"		10'	4'	2 sacks	

SECTION II

GEOLOGICAL SUMMARY

(A) Formation Tops

Formation	Log Tops	Sample Tops
Base of Glacial Drift	170' (+990)	212'
Top of Carbonate Unit	Not encountered	
Total Depth	1507' (- 347) Driller 1506' (- 346) Schlumberger	

(B) Cored Intervals - Core #1 Interval 914' - 920' Recovered 2.5' (Shale).
Core #2 Interval 1289' - 1298' Recovered 3.5' (Shale).

(C) Core Descriptions - Core #1 Grey shales, badly broken.
Core #2 Grey shales, badly broken.

(D) Sample Descriptions -

10' - 30'	Sand, white or reddish.
30' - 50'	Sand, very coloured with fragments of various rocks (including limestone).
50' - 227'	Sand, as above, 3 - 5% of limestone - oomicrite, light tan, tight - Rare fragments of bioclastic limestone, with sparite matrix.
227' - 230'	Grey silty shale.
230' - 240'	Shale, grey to dark grey, very silty.
240' - 250'	Grey shale, very silty. Abundant glauconite.
250' - 330'	Grey shale, very silty. 1% of sucrosic dolomite at 280' - 290'.
330' - 350'	Grey shale.
350' - 360'	90% Dark grey shales. 10% very fine sandstone, light grey.
360' - 370'	Grey shales.
370' - 400'	Grey shales, partly finely silty.
400' - 490'	Silt, grey, very shaly, giving very small cuttings of sandy appearance.
490' - 520'	Grey shale, very silty.
520' - 550'	Grey shales, partly silty.

550'	- 570'	Grey shales.
570'	- 580'	Green to grey shales. 10% sandstone, light grey, very fine grained, not calcareous.
580'	- 590'	Grey shales, partly silty.
590'	- 670'	Grey shales.
670'	- 680'	Grey silt, very shaly, giving very small cuttings of sandy appearance.
680'	- 730'	Grey silt, very shaly + 5% of grey shales.
730'	- 740'	Grey silt, very shaly + 20% of grey shales.
740'	- 790'	Grey silt, very shaly, giving very small cuttings of sandy appearance.
790'	- 810'	As above, + some grey shales.
810'	- 820'	Grey silt, very shaly.
820'	- 830'	Grey silt, very shaly, + 30% grey shales.
830'	- 870'	Grey silt, very shaly, as above.
870'	- 880'	Grey silt, as above, + 30% grey shales.
880'	- 890'	Grey silt, as above, + 50% grey shales.
890'	- 900'	Grey silt, as above, + 20% grey shales.
900'	- 910'	Grey shales, + 10% grey silt, very shaly.
914'	- 920'	Core - Dark grey shales.
920'	- 940'	Grey shales, + traces of grey silt, very shaly.
940'	- 1010'	Grey silt, very shaly.
1010'	- 1030'	Grey silt, very shaly. Traces of very fine grained sandstone.
1030'	- 1100'	Grey silt, very shaly.
1100'	- 1110'	80% grey silt, very shaly, 20% grey shales.
1110'	- 1120'	Grey shales, partly silty.
1120'	- 1130'	20% grey silt, very shaly, 80% grey shales.
1130'	- 1150'	Grey shales, partly silty. Traces of grey shaly silt.
1150'	- 1170'	Dark grey shales, very silty.
1170'	- 1180'	50% Dark grey shales, very silty, 50% grey shales.
1180'	- 1210'	Grey shales, more or less silty, traces of grey sandstone, very fine grained.
1210'	- 1250'	Grey shales, more or less silty.
1250'	- 1290'	Grey shales, very silty.
1290'	- 1330'	Grey shales, more or less silty.
1330'	- 1340'	Grey shales, more or less silty. Traces of very fine grained sandstone.

1340'	- 1380'	Grey shales, more or less silty.
1380'	- 1440'	Grey shales, as above.
1440'	- 1480'	Grey shales, as above. Traces of limestone, crystalline, with bitumen.
1480'	- 1500'	Grey shales, more or less silty.

* * * * * * * * * * *

SECTION III

ENGINEERING GEOLOGY

(A) Drill Stem Tests - Nil

(B) Casing Record

Size	Grade	Wt.	Amount	Set at	Sacks of Cement and Additives
5½"	J-55	14	292.95	305 K.B.	60 Sax +2% $CACl_2$
8 5/8" Conductor Pipe			10'	4'	2 sacks

(C) Bit Record

Bit No.	Make	Type	Size	Depth In	Depth Out	Footage	Hours
1	Rerun		10 3/4"	0	4	4	1
2		Retip	7 7/8"	4	115	111	11 3/4
3	WM	Retip	7 7/8"	115	225	110	9 1/2
4	WM	Retip	7 7/8"	225	305	80	16 3/4
5	WM	WM 3	4 3/4"	305	553	248	16
6	WM	WM 3	4 3/4"	553	914	361	19 1/4
7		Diamond	3 1/4"	914	920	6	2 3/4
8	WM	WM 3	4 3/4"	920	1106	186	15 3/4
9	WM	WM 3	4 3/4"	1106	1289	183	13 1/2
10		Diamond	3 1/4"	1289	1298	9	4 1/2
11	WM	WM 2	4 3/4"	1298	1422	124	14 3/4
12	WM	WM 3	4 3/4"	1422	1507	85	8 1/2

(D) Mud Report - Magcogel 3900 lbs.

(E) Deviation Record - 72' - 1¼°
110' - 2½°
220' -
914' - 2°
220 - 1½°
1422 - 1 3/4°

(F) Abandonment Plugs - Plug #1 Interval 1450' - 1507'
15 sacks of cement.
Plug #2 Interval 255' - 355'
25 sacks of cement.
Felt at 258'
Cut 5½" surface casing 3' below ground level and ran a 5 sack cement plug at surface. Welded a steel plate on the casing. Welded a 4' riser to the casing with a well name plate

(G) Lost Circulation Zones - Nil

(H) Report of Blowouts - Nil

SECTION IV

LOG RECORD

Date	Type	Run No.	Interval
11 Feb. 1969	Gamma - Neutron Log	1	10' - 500'
"	Caliper Log	1	306' - 1504'
"	Induction Elec. Log	1	306' - 1499'

A Sonic Log was attempted but the tool stuck in (on bottom) the hole and was left in the hole.

SECTION V

ANALYSIS

(A) Core Analysis - Nil

(B) Water Analysis - Nil

(C) Gas Analysis - Nil

(D) Oil Analysis - Nil

SECTION VI

COMPLETION SUMMARY

(A) Tubing Record - Nil

(B) Perforation Record - Nil

(C) Cementation Record

No.	Date	ABANDONMENT PLUGS No. Sacks	Interval	Felt at
1	Feb. 11/69	15	1450' - 1507'	Not felt
2	Feb. 11/69	25	255' - 355'	258'

(D) Acidization and Fracturing Record - Nil

(E) Back Pressure and Production Tests - Nil

FRENCH PETROLEUM COMPANY OF CANADA LTD.

R. L. Donaldson
Operations Superintendent

April 15, 1969

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1-79

RIG. NO. 14 LOCATION F.F.C. SUBDIVISION LAKE H-45 DATE Feb 13/69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1-79

LOCATION F.F.C. SUBDIVISION - LAKE DATE Feb 13/69

TOUR 1 — TO — MIDN.

LT: | LF: | HOLE NO. | FROM | TO | T.D. IF FIN. | SIZE CASING | SET TO DEPTH | AMOUNT | SAC. CEMENT | AVERAGE TIME PER LOAD OF ... | LOST DRILL TIME WAIT ON WATER

AF: | AT:

BIT RECORD: % LEFT | CONC | NO. | SIZE | TYPE | SER. NO. | WEIGHT | RPM | FT. DRILLED | REAMED | HRS. | FORM | % LEFT | COND.

MUD: 12 MN. | 2 A.M. | 4 A.M. | 6 A.M.

PUMP: PRESS | RPM | DEPTH

PUMP: PRESS | RPM | DEPTH

SURVEY: AT | DEG | LOG TO DEPTH

WT. | VISC. | GEL | W.L. ____ F.C. ____ P.H. ____

ADDITIVES: WATER ____ GALS.

1. ____ 2. ____ 3. ____

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER | MIDN. | 4 A.M.

TEMPERATURE

WIND VELOCITY:

RAIN, SNOW, FOG, ETC.

GENERAL:

CREW TIME SUMMARY | DRILLING AND OTHER RIG OPER. | PUMPTEST | REPAIRS & MAINTENANCE | RIG UP OR TEAR DOWN | LOST TIME TRAVEL TIME | TOTAL HOURS

DRILLER

HELPER

HELPER Ernest | 8 | | | | | 8

TOTAL

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME | TO FT. / RATE IN 16TH | DESCRIPTION / DEPTH TO WATER IN FT.

CLASS | REMARKS | TIME: START | STOP | INTERVAL

DRILLER

COMPANY TIME ____ CONT'R TIME ____

TOUR 2 — TO — 8 A.M.

LT: | LF: | HOLE NO. | FROM | TO | T.D. IF FIN. | SIZE CASING | SET TO DEPTH | AMOUNT | SAC. CEMENT | AVERAGE TIME PER LOAD OF ... | LOST DRILL TIME WAIT ON WATER

AF: | AT:

BIT RECORD: % LEFT | CONC | NO. | SIZE | TYPE | SER. NO. | WEIGHT | RPM | FT. DRILLED | REAMED | HRS. | FORM | % LEFT | COND.

MUD: 8 A.M. | 10 A.M. | 12 N. | 2 P.M.

PUMP: PRESS | RPM | DEPTH

PUMP: PRESS | RPM | DEPTH

SURVEY: AT | DEG | LOG TO DEPTH

WT. | VISC. | GEL | W.L. ____ F.C. ____ P.H. ____

ADDITIVES: WATER ____ GALS.

1. ____ 2. ____ 3. ____

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER | 8 A.M. | NOON

TEMPERATURE | 41 |

WIND VELOCITY | N | C

RAIN, SNOW, FOG, ETC. | CLEAR

GENERAL:

CREW TIME SUMMARY | DRILLING AND OTHER RIG OPER. | PUMPTEST | REPAIRS & MAINTENANCE | RIG UP OR TEAR DOWN | LOST TIME TRAVEL TIME | TOTAL HOURS

DRILLER Sam Bates | 12 | | | | | 12

HELPER Neil Mahar | 12 | | 1 | | | 13

HELPER Steve Deane | 12 | | | | | 12

TOTAL | 36 | | 1 | | | 37

INJURIES AND REMARKS:

CLASS | REMARKS | TIME: START | STOP | INTERVAL

RIG DOWN MOVE | 8:00

TO NEW LOC FOR RIG | | 12:00 | 4

DRILLER Sam Bates

COMPANY TIME ____ CONT'R TIME ____

TOUR 3 — TO — 4 P.M.

LT: | LF: | HOLE NO. | FROM | TO | T.D. IF FIN. | SIZE CASING | SET TO DEPTH | AMOUNT | SAC. CEMENT | AVERAGE TIME PER LOAD OF ... | LOST DRILL TIME WAIT ON WATER

AF: | AT:

BIT RECORD: % LEFT | CONC | NO. | SIZE | TYPE | SER. NO. | WEIGHT | RPM | FT. DRILLED | REAMED | HRS. | FORM | % LEFT | COND.

MUD: 4 P.M. | 6 P.M. | 8 P.M. | 10 P.M.

PUMP: PRESS | RPM | DEPTH

PUMP: PRESS | RPM | DEPTH

SURVEY: AT | DEG | LOG TO DEPTH

WT. | VISC. | GEL | W.L. ____ F.C. ____ P.H. ____

ADDITIVES: WATER ____ GALS.

1. ____ 2. ____ 3. ____

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER: 4 P.M. | 8 A.M.

TEMPERATURE

WIND VELOCITY

RAIN, SNOW, FOG, ETC.

GENERAL:

CREW TIME SUMMARY | DRILLING AND OTHER RIG OPER. | PUMPTEST | REPAIRS & MAINTENANCE | RIG UP OR TEAR DOWN | LOST TIME TRAVEL TIME | TOTAL HOURS

DRILLER

HELPER

HELPER

TOTAL

INJURIES AND REMARKS:

CLASS | REMARKS | TIME: START | STOP | INTERVAL

DRILLER

COMPANY TIME ____ CONT'R TIME ____

TOTAL CONTRACT TIME ____ HRS. TOOLPUSHER OR DRILLER i/c ____

TOTAL COMPANY TIME ____ HRS. APPROVED BY ____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION S.P.C. SIBLEY LAKE DATE Feb 12/69

TOUR 1 — MIDN. TO 8 A.M.

LT: LF: HOLE NO. HQ-45 FROM TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT 40 AVERAGE TIME PER LOAD OF M. LOST DRILL TIME WAIT ON WATER

AF: AT:

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD | MIDN. | 2 A.M. | 4 A.M. | 6 A.M.

WT. VISC. GEL. W.L. F.C. P.H.

ADDITIVES: WATER GALS.

1. 2. 3.

PUMP: PRESS | RPM | DEPTH — PUMP: PRESS | RPM | DEPTH — SURVEY: AT | DEG. | E LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	12			TEMPERATURE:		
W. TRUCK				WIND VELOCITY:		
MOB. PUMP				RAIN, SNOW, FOG, ETC.		

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER	X					X
HELPER A. BROWNE	X					X
HELPER WM. SCHULTZ	X					X
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN 16PM	DESCRIPTION / DEPTH TO WATER IN FT.

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Rig up Re Cement	1200		
	Plug #1 1507-1450.			
	15 sacks cement			
	plug #2 395 - 355			
	25 sacks cement			
	plug #3 in at 3.30 AM.		3.30	
	Trip out.			
	drain down			
	clean out around rig.			
	Take off 10 drill pipe		8.00	
	DRILLER M. Drader			
	COMPANY TIME CONT'R TIME			

TOUR 2 — 8 A.M. TO 4 P.M.

LT: LF: HOLE NO. FROM TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT 5 AVERAGE TIME PER LOAD OF M. LOST DRILL TIME WAIT ON WATER

AF: AT:

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD | 8 A.M. | 10 A.M. | 12 Noon | 2 P.M.

WT. VISC. GEL. W.L. F.C. P.H.

ADDITIVES: WATER GALS.

1. 2. 3.

PUMP: PRESS | RPM | DEPTH — PUMP: PRESS | RPM | DEPTH — SURVEY: AT | DEG. | E LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	12			TEMPERATURE	6°	8°
W. TRUCK				WIND VELOCITY	SW 6 MPH	
MOB. PUMP				RAIN, SNOW, FOG, ETC.		

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER Clifton Bradley	12					12
HELPER Russell	12					12
HELPER Murray Scobie	12					12
TOTAL	36					36

INJURIES AND REMARKS:

Place 5 sacs
Cement at 3 ft
Cement down
at 42.

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Rig up Rig	8:00	9:30	1½
	Tear down unit	8:30		
	Change Top Drive to Rotary		10:30	2
	Rig up Floor	10:30	11:30	1
	Run [redacted]	9:30		
	3½ D.P. 4½ Hole Clean		12:30	1
	Pull out			
	Run [redacted]	12		
	Rig up Swivel		5:00	7½
	Rig up Rotary Table			
	DRILLER Clifton			
	COMPANY TIME CONT'R TIME			

TOUR 3 — 4 P.M. TO MIDN.

LT: LF: HOLE NO. FROM TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE TIME PER LOAD OF M. LOST DRILL TIME WAIT ON WATER

AF: AT:

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD | 4 P.M. | 6 P.M. | 8 P.M. | 10 P.M.

WT. VISC. GEL. W.L. F.C. P.H.

ADDITIVES: WATER GALS.

1. 2. 3.

PUMP: PRESS | RPM | DEPTH — PUMP: PRESS | RPM | DEPTH — SURVEY: AT | DEG. | E LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL				TEMPERATURE		
W. TRUCK				WIND VELOCITY		
MOB. PUMP				RAIN, SNOW, FOG, ETC.		

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER						
HELPER Browne						4
HELPER						
TOTAL						

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Rig work	2:00	6:00	
	DRILLER			
	COMPANY TIME CONT'R TIME			

TOTAL CONTRACT TIME HRS. TOOLPUSHER OR DRILLER i/c

TOTAL COMPANY TIME HRS. APPROVED BY

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION E.B.L. SIBBESTON LAKE DATE Feb 14/69

TOUR 1

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF CM.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	445	1500	1507	1507						

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			10	7⅞	HH3	70991			~~7~~ 85		7½		T2	B6-L6

MUD — MIDN. — 12MN. — 2A.M. — 4 A.M. — 6 A.M.

WT.
VISC.
GEL. water
W.L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS | RPM | DEPTH
PUMP: PRESS | RPM | DEPTH
SURVEY: AT | DEG. | ℄ LOG TO DEPTH
1504

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	236		
W. TRUCK			
MOB. PUMP			

WEATHER	MIDN.	4 A.M.
TEMPERATURE:	33	35
WIND VELOCITY:	Nil	Nil
RAIN, SNOW, FOG, ETC.	Clear	Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER ORADER	8					8
HELPER A. BROWNE	8					8
HELPER WM. SCHULTZ	8					8
TOTAL						

8 A.M.

INJURIES AND REMARKS:

TOUR 2

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF CM.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	445			1507						

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD — 8 A.M. — 10 A.M. — 12 N'n. — 2 P.M.

WT.
VISC.
GEL
W.L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS | RPM | DEPTH | MESS
PUMP: RPM | DEPTH
SURVEY: AT | DEG. | ℄ LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	6		
W. TRUCK			
MOB. PUMP			

WEATHER	8 A.M.	NOON
TEMPERATURE	25	35
WIND VELOCITY	NE	NE
RAIN, SNOW, FOG, ETC.	Flurry Snow	

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER F. SELDEN	12					12
HELPER E. ISSAC	12					12
HELPER E. BARRON	12					12
TOTAL						

8 A.M.

INJURIES AND REMARKS:

TOUR 3

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF CM.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	445			1507						

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD — 4 P.M. — 6 P.M. — 8 P.M. — 10 P.M.

WT.
VISC.
GEL
W.L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS | RPM | DEPTH
PUMP: PRESS | RPM | DEPTH
SURVEY: AT | DEG. | ℄ LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	8½		
W. TRUCK			
MOB. PUMP			

WEATHER	4 P.M.	8 A.M.
TEMPERATURE		25
WIND VELOCITY		NE
RAIN, SNOW, FOG, ETC.		Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER ORADER						4
HELPER A. BROWNE						4
HELPER WM. SCHULTZ						4
TOTAL						

MIDN.

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN 16PM	DESCRIPTION / DEPTH TO WATER IN FT.
1500	1507	SHALE
	T.D	1507'

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION SIBBESTON LAKE DATE Feb 14/69

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Circulate	1200	1230	
	Circulate	1230	130	
	Trip out log down DC	130		
	Run water survey and Schlumberger		430	
	Logging	430		8.00

DRILLER M. Braden

COMPANY TIME CONTR TIME

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	[illegible]	8 00		
	[illegible]			
	[illegible]			
	[illegible]			
	[illegible]			
	[illegible]			
	[illegible]			
	[illegible]			
	[illegible]			
	[illegible]			

DRILLER [illegible]

COMPANY TIME CONTR TIME

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Rig repair	2100		
	Trip out			
	Logging			
	Trip in to run			
	casing		1200	

DRILLER M. Braden

COMPANY TIME CONTR TIME

TOTAL CONTRACT TIME HRS. TOOLPUSHER OR DRILLER

TOTAL COMPANY TIME HRS. APPROVED BY

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION S.R.C. SIBBESTON LAKE DATE Feb 10/69

TOUR 1

LT: LF: HOLE NO. 4-45 FROM 1326 TO 1402 T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE TIME PER LOAD OF M. LOST DRILL TIME WAIT ON WATER

AF: AT:

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			9	4 3/4	HH2	111413			104		12			

MUD 12 MN. 2 A.M. 4 A.M. 6 A.M.

WT. VISC. GEL. W.L. F.C. P.H.

ADDITIVES: WATER GALS.

1. 2. 3.

PUMP: PRESS RPM DEPTH — PUMP: PRESS RPM DEPTH — SURVEY: AT DEG. (LOG TO DEPTH)

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	12			TEMPERATURE:	40	40
W. TRUCK				WIND VELOCITY:	Nil	Nil
MOB. PUMP				RAIN, SNOW, FOG: ETC.	Clear	Clear

GENERAL:

MIDN.

T O

S A.M.

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER	8					8
HELPER A. BROWNE	8					8
HELPER WM. SCHULTZ	12					12
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG FROM FT./TIME	TO FT./RATE IN 16 P.M.	PUMP TEST DESCRIPTION	DEPTH TO WATER IN FT.
1326		Shale	
1402	10:55	Shale	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	12 00	8.00	

DRILLER M. Drader

COMPANY TIME CONT'R TIME

TOUR 2

LT: LF: HOLE NO. 4-45 FROM 1402 TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE TIME PER LOAD OF M. LOST DRILL TIME WAIT ON WATER

AF: AT:

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			9	4 3/4	HH2	111413	4000	80	124		7 1/2		3	F 8
	NIL	A	8	4 3/4	HH3	109911	8000	120	55		5 1/2			

MUD 8 A.M. 10 A.M. 12 N'n 2 P.M.

WT. VISC. GEL. W.L. F.C. P.H.

ADDITIVES: WATER GAL.

1. 2. 3.

PUMP: PRESS RPM DEPTH — PUMP: PRESS RPM DEPTH — SURVEY: AT DEG. (LOG TO DEPTH)

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	3 1/4			TEMPERATURE	35	50
W. TRUCK				WIND VELOCITY	Nil	Nil
MOB. PUMP				RAIN, SNOW, FOG: ETC.	Clear	Clear

GENERAL:

S A.M.

T O

4 P.M.

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER SALMEN	12					12
HELPER A. RISSEL	12					12
HELPER E. SALMEN	12					12
TOTAL						

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	8 00	10:45	2 3/4
	Repair break out table & service	10:45	1 30	2 1/4
	TRIP OUT	1 30	3 15	1 3/4
	TRIP IN	3 15	5 00	1 3/4
	Drilling	5 00	8 00	3

DRILLER S. Salmen

COMPANY TIME CONT'R TIME

TOUR 3

LT: LF: HOLE NO. 4-45 FROM 1955 TO 2320 T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE TIME PER LOAD OF M. LOST DRILL TIME WAIT ON WATER

AF: AT:

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			10	4 3/4	HH3	109911								

MUD 4 P.M. 6 P.M. 8 P.M. 10 P.M.

WT. VISC. GEL. Nil Gel W.L. F.C. P.H.

ADDITIVES: WATER GALS.

1. 2. 3.

PUMP: PRESS RPM DEPTH — PUMP: PRESS RPM DEPTH — SURVEY: AT DEG. (LOG TO DEPTH)

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL	23 3/4			TEMPERATURE		35
W. TRUCK				WIND VELOCITY		Nil
MOB. PUMP				RAIN, SNOW, FOG: ETC.		Clear

GENERAL:

4 P.M.

T O

MIDN.

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER	4					4
HELPER A. BROWNE	4					4
HELPER WM. SCHULTZ	4					4
TOTAL						

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	drilling	8.00	12 00	

DRILLER M. Drader

COMPANY TIME CONT'R TIME

TOTAL CONTRACT TIME HRS. TOOLPUSHER OR DRILLER i/c

TOTAL COMPANY TIME HRS. APPROVED BY

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION SIBBESTON LAKE DATE Feb 10/69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION P.P.L. SIBBESTON LAKE DATE Feb 9/69

TOUR 1 (MIDN. TO 8 A.M.)

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE DAILY PRODUCTION OF WELL	LOST DRILL TIME WAIT ON WATER
AF:	AT:	4-45	1240	1289							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			9	4 3/4	WM3	10994			49		15 1/4	1-6	7	

MUD 12MN. 2A.M. 4 A.M. 6 A.M.

WT.
VISC.
GEL.
W.L. F.C. P.H.
ADDITIVES: WATER GALS.
1. Water
2.
3.

PUMP: PRESS. | RPM | DEPTH
PUMP: PRESS. | RPM | DEPTH
SURVEY: AT | DEG. | LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	188		
W. TRUCK			
MOB. PUMP			

	MIDN.	4 A.M.
WEATHER		
TEMPERATURE	40	40
WIND VELOCITY	10	5
RAIN, SNOW, FOG, ETC.		Clear

GENERAL

CREW TIME SUMMARY

	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER	8					8
HELPER A. BRAUNE	8					8
HELPER WM. SCHULTZ	8					8
TOTAL						

INJURIES AND REMARKS:

TOUR 2 (8 A.M. TO 4 P.M.)

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE DAILY PRODUCTION OF WELL	LOST DRILL TIME WAIT ON WATER
AF:	AT:	4-45	1289	1298							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	45	C		3 7/8	9		1500	90	9		6 1/2			
	NEW		9	4 3/4	[illegible]	11443								

MUD 8 A.M. 10A.M. 12 N'n. 2 P.M.

WT.
VISC. WATER
GEL.
W.L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS. | RPM | DEPTH
PUMP: PRESS. | RPM | DEPTH
SURVEY: AT | DEG. | LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	1 1/2		
W. TRUCK			
MOB. PUMP			

	8 A.M.	NOON
WEATHER		
TEMPERATURE	40	36
WIND VELOCITY	Light	NW
RAIN, SNOW, FOG, ETC.		Clear

GENERAL

CREW TIME SUMMARY

	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER E. SPIKIN	12					12
HELPER R. RISSE	12					12
HELPER R. MACLEAN	12					12
TOTAL						

INJURIES AND REMARKS:

TOUR 3 (4 P.M. TO MIDN.)

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE DAILY PRODUCTION OF WELL	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	[illegible]	[illegible]							
			1298	1302							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			H-45	3 7/8	9	11443	2000-22				4			

MUD 4 P.M. 6 P.M. 8 P.M. 10P.M.

WT.
VISC. WATER
GEL.
W.L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS. | RPM | DEPTH
PUMP: PRESS. | RPM | DEPTH
SURVEY: AT | DEG. | LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	2 1/2		
W. TRUCK			
MOB. PUMP			

	4 P.M.	8 A.M.
WEATHER		
TEMPERATURE		35
WIND VELOCITY		Light
RAIN, SNOW, FOG, ETC.		Clear

GENERAL

CREW TIME SUMMARY

	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER	4					4
HELPER A. BRAUNE	4					4
HELPER W.M. SCHULTZ	4					4
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN I6P.M.	DESCRIPTION / DEPTH TO WATER IN FT.
1240		SHALE
1298		Shale

REMARKS

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	drilling	1200	400	
	Blow down rig pump	4		
	Hydraulic [illegible]		500	
	Change in bumper	500	515	
	drilling	515	600	
	Trip out	600	200	

DRILLER M. Drader

COMPANY TIME CONT'R TIME

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Prepare to Run barrel	800	830	1/2
	T.I.H. [illegible]	830	1045	2 1/4
	From 1289' - 1298'	1045	1057	1/4
	Pull out	1057	1145	1/2
	Retrieve core barrel	1145	1200	1/4
	T.I.H.	1200	1345	1 1/4

DRILLER [illegible]

COMPANY TIME CONT'R TIME

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	800	1200	

DRILLER M. Drader

COMPANY TIME CONT'R TIME

TOTAL CONTRACT TIME HRS. TOOLPUSHER OR DRILLER

TOTAL COMPANY TIME HRS. APPROVED BY

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION F.P.C. SIBBESTON LAKE DATE 6/8/69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION SIBBESTON LAKE DATE 6/8/69

TOUR 1 TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	1035	Hole							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			7	4¾	HM-3	10978			186		15¾			

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.				
GEL.	WATER.			

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

MIDN.

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	164			TEMPERATURE:	43	43
W. TRUCK				WIND VELOCITY:	S	S
MOB. PUMP				RAIN, SNOW, FOG, ETC.	SNOW	SNOW

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER M. DRADER	8					8
HELPER A. RONNE	8					8
HELPER WM. SCHULTZ	8					8
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG FROM FT. / TIME	TO FT.	RATE IN 16 P.M.	DESCRIPTION

PUMP TEST — DEPTH TO WATER IN FT.

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	DRILLING	12:00	7:30	
	TRIP 2 1/2 pipe	7:30	8:00	
	DRILLER M. Drader			

COMPANY TIME _____ CONT'R TIME _____

TOUR 2 TO 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	1035	1189							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	Med		8	4¾	HM-3	10974		90	83		5½			

MUD	8 A.M.	10 A.M.	12 Noon	2 P.M.
WT.				
VISC.				
GEL.	WATER			

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

8 A.M.

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	172			TEMPERATURE	25	32
W. TRUCK				WIND VELOCITY	S	10
MOB. PUMP				RAIN, SNOW, FOG, ETC.	SNOW	SNOW

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER [illegible]	12					12
HELPER A. Ronne	12					12
HELPER W. Schultz	12					12
TOTAL						

4 P.M.

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	1189 SAND			
	Service, work on Pumps, weld skips	8:00	9:00	1
	Trip out for bit & reamer	9:00	10:15	1 3/4
	90 Joints	11:45	1:00	1 1/4
	Trip in	1:45	2:30	2 1/4
	Drilling	2:30	6:30	9 1/2
	Service rig	6:30	7:00	1/2
	Drilling	7:00	2:00	12
	DRILLER [illegible]			

COMPANY TIME _____ CONT'R TIME _____

TOUR 3 TO MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	1189	1240							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			8	4¾	HM-3	10994			134	9½				

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL.	WATER			

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

4 P.M.

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL	190			TEMPERATURE	30	35
W. TRUCK				WIND VELOCITY		10
MOB. PUMP				RAIN, SNOW, FOG, ETC.		Fog

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER M. DRADER	4					4
HELPER A. RONNE	4					4
HELPER WM. SCHULTZ	4					4
TOTAL						

MIDN.

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	8:00	12:00	4:00
	DRILLER M. Drader			

COMPANY TIME _____ CONT'R TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER i/c _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION S.P.S. SIBBESTON LAKE DATE Feb 7/69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION SIBBESTON LAKE DATE Feb 7/69

TOUR TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	44-45	837	916							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			6	43/4	WH3	10993			361		19 1/4			
			7	3 1/4	O		1500	90	2		1			

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY TOG TO DEPTH
						714	2	

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	136		
W. TRUCK			
MOB. PUMP			

WEATHER	MIDN.	4 A.M.
TEMPERATURE:	30	40
WIND VELOCITY:	W 1	5
RAIN, SNOW, FOG, ETC.	Clear	Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						8
HELPER BROWNE						8
HELPER SCHULTZ						8
TOTAL						

INJURIES AND REMARKS:

FROM FT. / TIME	TO FT. / RATE IN 16 PM	STRATIGRAPHIC LOG / PUMP TEST DESCRIPTION / DEPTH TO WATER IN FT.
887		
916	922	Shale
922	982	Shale
982	1035	Shale

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	12:00	2:45	2 3/4
	Trip out & run survey	2:45	5:15	2 1/2
	Rig up Dresser Atlas & run Gamma Ray Neutron Density Caliper Log	5:15	6:15	1
	Rig up & run Rapid 4 Hand with survey	6:15	7:00	3/4
	Circulate	7:00	8:00	1:00
	Laying down 914	8:00	9:00	1:00

DRILLER Maclaren

COMPANY TIME _____ CONTR. TIME _____

TOUR TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	44-45	916	982							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	3/4		6	3 1/4	O		1200	90	4		2 3/4			E-E
	New		7	4 3/4	WH3	10959			62					

MUD	8 A.M.	10 A.M.	12 Noon	2 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY TOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	138		
W. TRUCK			
MOB. PUMP			

WEATHER	8 A.M.	NOON
TEMPERATURE	24	34
WIND VELOCITY	W 10	W 10
RAIN, SNOW, FOG, ETC.	Clear	Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER J. SALKIN	12					12
HELPER J. RISCO	12					12
HELPER L. PELLEAU	12					12
TOTAL						

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Circulate	8:00	9:45	1 3/4
	Trip out	9:45	10:00	1/4
	Rig up Dresser Atlas	10:00	11:00	1
	Run Gamma Ray Neutron Density Caliper Log	11:00	12:30	1 1/2
	Rig up & run Rapid 4 Hand with survey	12:30	1:00	1/2
	Trip in	1:00	3:00	2
	Circulate	3:00	3:30	1/2
	Laying down drill pipe	3:30	7:00	3 1/2
	Casing Service Rig	7:00	8:00	1:00

DRILLER Salkin

COMPANY TIME _____ CONTR. TIME _____

TOUR TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	44-45	982	1035							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			7	3 3/4	WH3	10981			715		8 1/4			

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY TOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	152		
W. TRUCK			
MOB. PUMP			

WEATHER	4 P.M.	8 A.M.
TEMPERATURE	35	30
WIND VELOCITY	W 2	W 5
RAIN, SNOW, FOG, ETC.	Clear	Clear SNOW

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						4
HELPER A. BROWNE			1			4
HELPER W. SCHULTZ						4
TOTAL						

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Circ. & cond.	8:00	12:00	4:00

DRILLER Drader

COMPANY TIME _____ CONTR. TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER i/c _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 107

RIG. NO. 7 LOCATION FAC STREET LAKE DATE 5-6-69

LT: LF: HOLE NO. FROM TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE FEET PER HOUR ON W. LOST DRILL TIME WAIT ON WATER

AE: AT: A-45 532 620

TOUR

	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
BIT RECORD				6	4¾	DTH3	10993		20					

MUD | 12 MN. | 2 A.M. | 4 A.M. | 6 A.M.
WT.
VISC.
GEL. NC
W. L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS | RPM | DEPTH
PUMP: PRESS | RPM | DEPTH
SURVEY: AT | DEG. | LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK		12	
MOB. PUMP			

WEATHER | MIDN. | 4 A.M.
TEMPERATURE: 35 45
WIND VELOCITY: N.E 10
RAIN, SNOW, FOG, ETC.: Clear

GENERAL:

CREW TIME SUMMARY

	DRILLING AND OTHER RIG-OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG-UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER						
HELPER DRAPER						
HELPER KROWSE						
HELPER SCHULTZ						
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. /	RATE IN GPM	DESCRIPTION / DEPTH TO WATER IN FT.
	532	620	SHALE

CLASS | REMARKS | TIME: START | STOP | INTERVAL

CLASS	REMARKS	START	STOP	INTERVAL
	TR. OUT 555		1200	1¼
	WORTHINGTON MUD PUMPS #5 AND LEWIS RIG		3 15	2.00
	TR. IN NED 4¾	3 15	4 00	¾
	TRUCK WATER SWIVEL	4 00	4 15	¼
	DRILLING	4 15	8.00	3¾

DRILLER M. Brown

COMPANY TIME CONT'R TIME

LT: LF: HOLE NO. FROM TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE FEET PER HOUR ON W. LOST DRILL TIME WAIT ON WATER

AE: AT: A-45 620 1220

TOUR 2

	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
BIT RECORD			2	6	4¾	DTH3	10993		120	4-3		13¼		

MUD | 8 A.M. | 10 A.M. | 12 N. | 2 P.M.
WT. 9.5 9.4 9.4
VISC. 39 39
GEL. 33 27 3
W. L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS | RPM | DEPTH
PUMP: PRESS | RPM | DEPTH
SURVEY: AT | DEG. | LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK		141	
MOB. PUMP			

WEATHER | 8 A.M. | NOON
TEMPERATURE: 30
WIND VELOCITY:
RAIN, SNOW, FOG, ETC.:

GENERAL:

CREW TIME SUMMARY

	DRILLING AND OTHER RIG-OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG-UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER						
HELPER SALCEDO						
HELPER E. STEEL						
HELPER BOTTOMLEY						
TOTAL						

INJURIES AND REMARKS:

620 695 Shale
695 820 Sandy Shale
820 Sandy Shale

CLASS | REMARKS | TIME: START | STOP | INTERVAL

CLASS	REMARKS	START	STOP	INTERVAL
	DRILLING	8 30	9 15	1 45
	CLEAN MUD TANKS	9 15	10 00	¾
	MIX MUD	10 00	12 45	2 45
	DRILLING	12 45	1 30	¾
	WELD LOOP IN SWIVEL	1 30	2 30	1
	DRILLING	2 30	4 00	1½
	WIRE SWIVEL	4 00	4 15	¼
	FLUSH	4 15	4 30	¼
	SERVICE RIG	4 30	4 45	¼
	DRILLING	4 45	6 00	1¼

DRILLER Gordon

COMPANY TIME CONT'R TIME

LT: LF: HOLE NO. FROM TO T.D. IF FIN. SIZE CASING SET TO DEPTH AMOUNT SAC CEMENT AVERAGE FEET PER HOUR ON W. LOST DRILL TIME WAIT ON WATER

AE: AT: A-45 820

TOUR

	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
BIT RECORD				6	4¾	DTH3	10993					13¼		

MUD | 4 P.M. | 6 P.M. | 8 P.M. | 10 P.M.
WT. 9.4 9.4 9.4
VISC. 39 39 39
GEL.
W. L. F.C. P.H.
ADDITIVES: WATER GALS.
1.
2.
3.

PUMP: PRESS | RPM | DEPTH
PUMP: PRESS | RPM | DEPTH
SURVEY: AT | DEG. | LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK		122	
MOB. PUMP			

WEATHER | 4 P.M. | 8 A.M.
TEMPERATURE:
WIND VELOCITY:
RAIN, SNOW, FOG, ETC.:

GENERAL:

CREW TIME SUMMARY

	DRILLING AND OTHER RIG-OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG-UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER						
HELPER DRAPER						
HELPER BROWSE						
HELPER SCHULTZ						
TOTAL						

INJURIES AND REMARKS:

820 Sandy Shale

CLASS | REMARKS | TIME: START | STOP | INTERVAL

CLASS	REMARKS	START	STOP	INTERVAL
	Drilling		860	40

DRILLER M. Brown

COMPANY TIME CONT'R TIME

CONTRACT TIME NO. TOOLPUSHER OR DRILLER I/C

TOTAL COMPANY TIME HRS. APPROVED BY

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION E.P.C. SIBBESTON LAKE DATE Feb 5/69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION E.P.C. SIBBESTON LAKE DATE Feb 5/69

TOUR 1 — MIDN. TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME FOR STAND UP IN	LOST DRILL TIME WAIT ON WATER
AF:	AT:	A-95	211	324							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	NEW		5	7 7/8	V83	10990	1000	70	CEMENT		2			

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.	WATER			
GEL				
W.L. F.C. P.H.				
ADDITIVES: WATER GALS.				
1.				
2.				
3.				

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	87		100	TEMPERATURE:	45	45
W. TRUCK				WIND VELOCITY:	25	30
MOB. PUMP				RAIN, SNOW, FOG, ETC.	SNOW	SNOW

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER SRADER						8
HELPER BROWNE						8
HELPER SCHULTZ						8
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST: FROM FT. / TIME	TO FT.	DATE IN 16PM	DESCRIPTION	DEPTH TO WATER IN FT.
211	324	6	SHALE	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	take stand pipe off run in D.C. take stand pipe from mouse and circulate test brakes 600 lbs 1 Comm.	1230		
	drilling, cut plug	600	750	1 1/2
	drilling	750	800	

DRILLER M. Srader

COMPANY TIME CONT'R TIME

TOUR 2 — 8 A.M. TO 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME FOR STAND UP IN	LOST DRILL TIME WAIT ON WATER
AF:	AT:	A-95	324	497							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	NEW		5	4 3/4	3	10990		TO TRIP						
								TO TRIP						

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WT.				
VISC.	WATER			
GEL				
W.L. F.C. P.H.				
ADDITIVES: WATER GALS.				
1.				
2.				
3.				

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY LOG TO DEPTH
				NO	377			

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	99			TEMPERATURE	24	26
W. TRUCK				WIND VELOCITY	20	40
MOB. PUMP				RAIN, SNOW, FOG, ETC.		

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER SMELKO	8					8
HELPER F. RISSEL	12					12
HELPER R. HARRISON	12					12
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST: FROM FT. / TIME	TO FT.	DATE IN 16PM	DESCRIPTION	DEPTH TO WATER IN FT.
324	400		Shale	
400	442		Shale + Sand	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	8:00	12:00	4

DRILLER Smelko

COMPANY TIME CONT'R TIME

TOUR 3 — 4 P.M. TO MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME FOR STAND UP IN	LOST DRILL TIME WAIT ON WATER
AF:	AT:	A-95	497	552							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			5	4 3/4	3	10990		70						

MUD	4 P.M.	6 P.M.	8 P.M.	TOP M.
WT.				
VISC.	WATER			
GEL				
W.L. F.C. P.H.				
ADDITIVES: WATER GALS.				
1.				
2.				
3.				

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL	105			TEMPERATURE	20	5
W. TRUCK				WIND VELOCITY	5	35
MOB. PUMP				RAIN, SNOW, FOG, ETC.	Cloudy	Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER SRADER						8
HELPER BROWNE						4
HELPER SCHULTZ						4
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST: FROM FT. / TIME	TO FT.	DATE IN 16PM	DESCRIPTION	DEPTH TO WATER IN FT.
442	497		Shale + Sand	
497	552		Shale	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	8:00	12:00	

DRILLER M. Srader

COMPANY TIME CONT'R TIME

TOTAL CONTRACT TIME HRS. TOOLPUSHER OR DRILLER i/c

TOTAL COMPANY TIME HRS. APPROVED BY

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION ~~FT. SIMPSON~~ STRESTON LAKE DATE Feb 4/69

TOUR 1 — MIDN. TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45									

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	E LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	17		100	TEMPERATURE:	35	45
W. TRUCK				WIND VELOCITY:	Nil	Nil
MOB. PUMP				RAIN, SNOW, FOG, ETC.	CLEAR	CLEAR

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						8
HELPER BARONE						8
HELPER SCHULTZ						8
TOTAL						

INJURIES AND REMARKS:

TOUR 2 — 8 A.M. TO 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45									

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	8 A.M.	10 A.M.	12 N'n.	2 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	E LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	49			TEMPERATURE:	50	62
W. TRUCK				WIND VELOCITY:	10	10
MOB. PUMP				RAIN, SNOW, FOG, ETC.	CLEAR	CLEAR

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER L. SALKIN	12					12
HELPER R. BISSET	12					12
HELPER R. MACKIE	12					12
TOTAL						

INJURIES AND REMARKS:

TOUR 3 — 4 P.M. TO MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45									

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	E LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL	73		150	TEMPERATURE:	40	25
W. TRUCK				WIND VELOCITY:	10	3
MOB. PUMP				RAIN, SNOW, FOG, ETC.	Clear	Snow

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						4
HELPER ARBONE						4
HELPER SCHULTZ						4
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / TIME	RATE GPM 16PM	DESCRIPTION / DEPTH TO WATER IN FT.

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	W.O.C.	1200		
	work on rig.		500	
	Rig up mud pump			
	and manifold			

DRILLER M. Drader

COMPANY TIME _____ CONT'R TIME _____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	W.O.C. - SERVICE	800		
	RIG. WORK ON RIG			
	TRIPS.		9 30 / 1/2	
	BACK OF DRILLING	930		
	JOINT LAY DOWN			
	COLLAR, PICK UP		9 30 / 10 1/2	

DRILLER L. Salkin

COMPANY TIME _____ CONT'R TIME _____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Pressure Test	730		
	Casing Rams to			
	600 lbs 15 min		930	
	Run to shop for Total			
	Pipe and Drill Collars			
		1000		

DRILLER M. Drader

COMPANY TIME _____ CONT'R TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER L. Salkin

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 21 LOCATION FT. SIMPSON DATE FEB 21 69

TOUR 1

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	445	260	311							

BIT RECORD	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			4	7⅞		F50								

MUD: WT. / VISC. / GEL. / W.L. ____ F.C. ____ P.H. ____ / ADDITIVES: WATER ____ GALS. / 1. / 2. / 3.

	12 MN.	2 A.M.	4 A.M.	6 A.M.
MIDN.				

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	∠ LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	39		100	TEMPERATURE:	32	32
W. TRUCK				WIND VELOCITY:	CALM	10
MOB. PUMP				RAIN, SNOW, FOG, ETC.	NIL	Cloudy

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						8
HELPER A BROWNE						8
HELPER SCHULTZ						8
TOTAL						

8 A.M.

INJURIES AND REMARKS:

TOUR 2

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	445									

BIT RECORD	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD: WT. / VISC. 65 68 / GEL. / W.L. ____ F.C. ____ P.H. ____ / ADDITIVES: WATER ____ GALS. / 1. / 2. 30 lbs Gel. / 3.

	8 A.M.	10 A.M.	12 Noon	2 P.M.
8 A.M.				

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	∠ LOG TO DEPTH
						3M		

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	51		100	TEMPERATURE	32	25
W. TRUCK				WIND VELOCITY	15	10 S
MOB. PUMP				RAIN, SNOW, FOG, ETC.	Cloudy	Cloudy

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER T. SCHULTZ	12					12
HELPER E. HOSKIL	12					12
HELPER R. MACLEAN	12					12
TOTAL						

4 P.M.

INJURIES AND REMARKS:

TOUR 3

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF M.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	445									

BIT RECORD	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD: WT. / VISC. / GEL. / W.L. ____ F.C. ____ P.H. ____ / ADDITIVES: WATER ____ GALS. / 1. / 2. / 3.

	4 P.M.	6 P.M.	8 P.M.	10 P.M.
4 P.M.				

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	∠ LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL	65		100	TEMPERATURE		30
W. TRUCK				WIND VELOCITY		2
MOB. PUMP				RAIN, SNOW, FOG, ETC.		CLEAR

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						4
HELPER BROWNE						4
HELPER SCHULTZ						4
Gillen Hoist Mechanic						1
TOTAL						

MIDN.

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN 16P.M.	DESCRIPTION / DEPTH TO WATER IN FT.
		CLAY

CASING FALL

G.L.	1.00
1	32.35
2	31.56
3	31.86
4	33.35
5	33.22
6	33.11
7	33.30
8	31.42
9	31.78
	293.95

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	TRIPPING	1200	7.00	
		7.00	2.00	

DRILLER M. Drader

COMPANY TIME ____ CONT'R TIME ____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	SERVICE	8	8.30	½
	RUN SURVEY	8.30	9.00	½
	CIRCULATE HOLE CLEAN	9.00	11.00	2
	TRIP OUT 5 STDS	11.00	11.30	½
	FISH INCLINOMETER	11.30	12	½
	RIG UP TO RUN CASING	12	1	1
	RUN CASING	1	3.00	2
	RIG UP TO CIRCULATE	3.00	3.30	½
	CIRCULATE CASING	3.30	6.30	3
	CEMENT CASING	6.30	8.00	1½
	Used 1000 sx Class G Cement + 2% CaCl2 + 10% Salt + 1/4 lb/sx Flocele + 0.6% HR-4 Retarder. Displaced with 190 bbls mud. Bumped plug @ 1400 psi. Floats held. Cement returns to surface.			

DRILLER Schultz

COMPANY TIME ____ CONT'R TIME ____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	RIG RELEASED	800	1200	

DRILLER M. Drader

COMPANY TIME ____ CONT'R TIME ____

TOTAL CONTRACT TIME ____ HRS. TOOLPUSHER OR DRILLER i/c ____

TOTAL COMPANY TIME ____ HRS. APPROVED BY ____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION ST. SIMPSON DATE Feb 2/69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION ST. SIMPSON DATE Feb 2/69

TOUR 1 — MIDN. TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF W.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	140	183							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND
			3	7 7/8	M	4-1140								4

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	FT. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	MIDN.	4 A.M.
DRILL	15		100	TEMPERATURE:	-30	-35
W. TRUCK				WIND VELOCITY:	Light	Light
MOB. PUMP				RAIN, SNOW, FOG: ETC.	Clear	Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						8
HELPER BROWNE						8
HELPER SCHULTZ						8
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / DESCRIPTION	FROM FT. / TIME	TO FT. / DATE IN 24 P.M.	PUMP TEST / DEPTH TO WATER IN FT.
Clay	140	161	
Rock	161		
Clay			
Gravel		183	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	2:00	4:05	
	Repairing drums	4:05		
	Clean		4:35	
	Trip & Circulate	4:35	4:50	
	Drilling	4:50	8:00	

DRILLER M. Drader

COMPANY TIME _____ CONT'R TIME _____

TOUR 2 — 8 A.M. TO 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF W.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	183	239							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND
			2	7 7/8	F-A	247D		60-70	105		7			4
	Worn		4	7 7/8		Rec'd		1,0-70						

MUD	8 A.M.	10 A.M.	12 N'n.	2 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER 400 lbs Gel GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP LPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	FT. LOG TO DEPTH
						220		

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	8 A.M.	NOON
DRILL	37			TEMPERATURE	15	8
W. TRUCK				WIND VELOCITY	Light	Light
MOB. PUMP				RAIN, SNOW, FOG ETC.	Clear	Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER Schultz	12					12
HELPER Nelson	12					12
HELPER MacLean	12					12
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / DESCRIPTION	FROM FT. / TIME	TO FT. / DATE IN 24 P.M.	PUMP TEST / DEPTH TO WATER IN FT.
Gravel, Rocks	183	208	
Gravel, coarse			
Gravel, Sands	208		
Gravel - Clay		218	
Sands			
Lime Stone	214		
Shale		225	
Sands	225	239	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	8:00	11:00	3 hrs
	Circulate	11:00	11:30	1/2
	Trip out to Run	11:30		
	Survey		12:30	1
	Run Survey	12:30		
	Work off of Tube			
	4 1/2 Tube		3:00	3
	Circulate	3:00	3:45	3/4
	Run Circulate +	3:45		
	Mix mud			
	New bit at 225 ft.			
	Ream Tight spot with			
	Sand coming in. Trouble			
	Making Connection - Wash			
	Ream		6:45	3
	Drilling	6:45	9:00	

DRILLER Schultz

COMPANY TIME _____ CONT'R TIME _____

TOUR 3 — 4 P.M. TO MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF W.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	239	264							

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND
			4	7 7/8		RCTD								

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	FT. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT	WEATHER	4 P.M.	8 A.M.
DRILL	51		100	TEMPERATURE		-30
W. TRUCK				WIND VELOCITY		10
MOB. PUMP				RAIN, SNOW, FOG ETC.		Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						4
HELPER BROWNE						4
HELPER CHARLES						4
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / DESCRIPTION	FROM FT. / TIME	TO FT. / DATE IN 24 P.M.	PUMP TEST / DEPTH TO WATER IN FT.
Shale	1	3	
	3	15	
	15	22	
	22	23	
	23	24	
	24	25	
	25	26	
	26	27	
	27	28	
	28	29	
	29	30	
	30	31	
	31	32	
	32	33	
	33	34	
	34	35	
	35	36	
	36	37	
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	260	261	
	261	262	
	262	263	
	263	264	

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drilling	8:00	12:00	

DRILLER M. Drader

CONTRACT TIME _____ CONT'R TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1019

RIG. NO. 14 LOCATION FT. SIMPSON DATE FEB 1/69

TOUR TO — MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF W.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H45	18	28							

BIT RECORD

	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			2	7⅞										good

MUD	12MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

	MIDN.	4 A.M.
WEATHER		
TEMPERATURE	-35	-35
WIND VELOCITY	NIL	
RAIN, SNOW, FOG, ETC.	CLEAR	

GENERAL:

CREW TIME SUMMARY

	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						8
HELPER BROWNE						8
HELPER SAULTS						2
TOTAL						

INJURIES AND REMARKS:

TOUR 2 — 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF W.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H45	28	115							

BIT RECORD

	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	100%		2	7⅞	TRI-M		40000	D						

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WT.				
VISC.				35
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER 200 lbs Gel GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH
						14°	72°	

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	3		100
W. TRUCK	1	Change	
MOB. PUMP			

	8 A.M.	NOON
WEATHER		
TEMPERATURE	20	15
WIND VELOCITY	NIL	NIL
RAIN, SNOW, FOG, ETC.	Cloudy	

GENERAL:

CREW TIME SUMMARY

	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER SMITH	10					10
HELPER BROWNE	12					12
HELPER ST. PIERRE	12					12
TOTAL						

INJURIES AND REMARKS:

TOUR 3 — 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF W.	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H45	115	140							

BIT RECORD

	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			3	7⅞	RR-10			60-65						

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER Water GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH
						23°	110°	

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	7		100
W. TRUCK			
MOB. PUMP			

	4 P.M.	8 A.M.
WEATHER		
TEMPERATURE	25	30
WIND VELOCITY	NIL	Light
RAIN, SNOW, FOG, ETC.	Clear	Clear

GENERAL:

CREW TIME SUMMARY

	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						8
HELPER BROWNE						8
HELPER SAULTS						4
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN 16PM	DESCRIPTION / DEPTH TO WATER IN FT.
28	TO	SANDY clay + gravel + ROCKS
TO 98		Clay
98		gravel + ROCKS
110		Clay + gravel
115	20	Gravel + clay
140		Clay

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1019

LOCATION FT SIMPSON DATE FEB 1/69

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	CIRCULATE MUD	1230	1240	
	TRIP OUT		1240	
	DRILLING	1240	1420	
	REPAIR HYD	1.00		
	THAW WATER SWIVEL	6.20	6.50	
	DRILLING	6.50	800	

DRILLER M. DRADER

COMPANY TIME _____ CONTR TIME _____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Drill Hole down	8 30	9 00	1
	Ream section	9 00	9 30	½
	Trip out with bit & Reg to sub	9 30	10 15	¾
	Lay down drill collars	10 15	12 45	1
	Pick up drill collars	12 45	3 00	2¼
	Rig service & test BOP	3 00	3 45	¾
	Drilling	3 45	5 15	1½
	Service Rig	5 15	6 00	¾
	Repair on pumps	6 00	8 00	1¾
	Drilling	8 00	12 00	4

DRILLER Smith

COMPANY TIME _____ CONTR TIME _____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	Trip in hole	8 00	8 30	½
	Ream	8 30	9 00	½
	Drill	9 00	9 30	½
	Trip out for bit	9 30	10 00	½
	Lay down reg	10 00	10 30	½
	Pick up reg	10 30	11 00	½
	Drilling	11 00	12 00	1

DRILLER Drader

COMPANY TIME _____ CONTR TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER I/C _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

BIG INDIAN DRILLING CO. LTD. PROJECT NO. [illegible]

RIG. NO. 14 LOCATION [illegible] C. SUBSTATION H-45 DATE JAN 31 1969

BIG INDIAN DRILLING CO. LTD. PROJECT NO.

LOCATION FT. SIMPSON DATE [illegible]

TOUR 1 TO MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF MIX	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45									

BIT RECORD	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			2	7 7/8	RETIP			60	5		1		Good	

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.	WATER			
GEL				
W.L. F.C. P.H.				
ADDITIVES: WATER GALS.				
1.				
2.				
3.				

PUMP

PRESS	RPM	DEPTH

PUMP

PRESS	RPM	DEPTH

SURVEY

AT	DEG.	E. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	MIDN.	4 A.M.
TEMPERATURE	-50	-30
WIND VELOCITY	S	S
RAIN, SNOW, FOG, ETC.	SNOW	

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						4
HELPER Brown						8
HELPER Shultz						3
TOTAL						

INJURIES AND REMARKS:

TOUR 2 TO 8 A.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF MIX	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	0	9	9	2 3/8		10	5		

BIT RECORD	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			2	2 3/8	Retip						16		Good	

MUD	8 A.M.	10 A.M.	12 N'n.	2 P.M.
WT.				
VISC.				
GEL				
W.L. F.C. P.H.				
ADDITIVES: WATER GALS.				
1.				
2.				
3.				

PUMP

PRESS	RPM	DEPTH

PUMP

PRESS	RPM	DEPTH

SURVEY

AT	DEG.	E. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	8 A.M.	NOON
TEMPERATURE	40	27
WIND VELOCITY	Lt.	Lt.
RAIN, SNOW, FOG, ETC.	Cloudy	Cloudy

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER J. Sakilay	12					12
HELPER A. Kisel	12					12
HELPER M. McLEAN	12					12
TOTAL						

INJURIES AND REMARKS:

TOUR 3 TO 4 P.M. MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF MIX	LOST DRILL TIME WAIT ON WATER
AF:	AT:	H-45	17	18							

BIT RECORD	% LEFT	COND.	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
			2	7 7/8	Retip								Good	

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL				
W.L. F.C. P.H.				
ADDITIVES: WATER GALS.				
1.				
2. 15 bags gel				
3.				

PUMP

PRESS	RPM	DEPTH

PUMP

PRESS	RPM	DEPTH

SURVEY

AT	DEG.	E. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	4 P.M.	8 A.M.
TEMPERATURE		-40
WIND VELOCITY		N/E
RAIN, SNOW, FOG, ETC.		Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRADER						4
HELPER Brown						9
HELPER Shultz						4
TOTAL						

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. /	RATE IN GPM	DESCRIPTION / DEPTH TO WATER IN FT.
0	4		Clay gravel &
4	8		Boulders

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	REPAIR BOILER	1200		
	RIG LINES		500	
	TEAR OUT RIG	500	7.00	
	DRILLING TO LOST	7.00	8.00	
	TRACK IN CONDUCTOR PIPE			
	DRILLER Fr. Drader			
	COMPANY TIME CONT'R TIME			

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	SERVICE RIG	2	2:30	1/2
	PIPE OUT REAMED	8:30		
	+ SUCTION PIPE		9:30	1
	+ RECEMENT	9:30	10:30	1
	W.O.C.	10:30		
	DRILL OUT CEMENT			
	LOST CIRCULATION @ 11			
	PACK CONDUCTOR 2.00			
	+ DRILL DEPTH		3:00	9½
	SET CONDUCTOR TOP 3.00			
	BAL PLUG + CEMENT		4:30	1½
	W.O.C. + REPAIR RIG			
	RIG UP PICK UP DRILL			
	STRING + RUN IN			
	DRILL SURFACE HOLE		3:30	5½
	DRILLER Crabtree			
	COMPANY TIME CONT'R TIME			

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	REPAIR RIG	8:00	9:30	
	MIX MUD	9:30	11:30	
	DRILLING	11:30	12:00	
	DRILLER Fr. Drader			
	COMPANY TIME CONT'R TIME			

TOTAL CONTRACT TIME HRS. RIG NO.

TOTAL COMPANY TIME HRS.

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

RIG. NO. 14 LOCATION ET. SIMPSON DATE JAN 29 69

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1079

LOCATION ET. SIMPSON DATE JAN 29 69

TOUR 1 TO MIDN.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF CMT.	LOST DRILL TIME WAIT ON WATER
AF:	AT:										

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	12 MN.	2 A.M.	4 A.M.	6 A.M.
WT.				
VISC.				
GEL.				

W.L. _____ F.C. _____ P.H.

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	MIDN.	4 A.M.
TEMPERATURE:	-35	-43
WIND VELOCITY:	5	5
RAIN, SNOW, FOG, ETC.	Clear	

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRAPER	3					3
HELPER STEPHEN	3					3
HELPER SCHULTZ	6					6
TOTAL						

8 A.M.

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	WORK ON BOILER	1500		
			2400	
	SHUT DOWN.	2400		
	SCHULTZ R&R WATCH		800	

DRILLER

COMPANY TIME _____ CONT'R TIME _____

TOUR 2 TO 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF CMT.	LOST DRILL TIME WAIT ON WATER
AF:	AT:		0	4'		3 7/8	4'	10'	2		

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.
	100	A	1	3 7/8	STC			55	4		1		100	

MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.
WT.				
VISC.				
GEL.				

W.L. _____ F.C. _____ P.H.

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL	4		
W. TRUCK			
MOB. PUMP			

WEATHER	8 A.M.	NOON
TEMPERATURE	43	43
WIND VELOCITY:	5	5
RAIN, SNOW, FOG, ETC.	Light Clear	

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRAPER	1			11		12
HELPER STEPHEN	1		2	11		12
HELPER SCHULTZ	1			4		12
TOTAL						

4 P.M.

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	RIG UP	5 PM		6
	DRILL TO 10' AND 20	2 PM		
	5 HR		3 PM	1
	SET CONNECTION	3 PM		
	BLEED & CONNECT		4 PM	1
	MAKE A TRIP = 4 PM			
	FLOW LINE =		5:30	
	CAN WATER			
	SERVICE			4

DRILLER Draper

COMPANY TIME _____ CONT'R TIME _____

TOUR 3 TO 4 P.M.

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF CMT.	LOST DRILL TIME WAIT ON WATER
AF:	AT:								2		

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.
WT.				
VISC.				
GEL.				

W.L. _____ F.C. _____ P.H.

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	4 P.M.	8 A.M.
TEMPERATURE °F.		41
WIND VELOCITY:		5
RAIN, SNOW, FOG, ETC.		Clear

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMP TEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER DRAPER						4
HELPER RUNN						4
HELPER SCHULTZ						4
TOTAL						

MIDN.

INJURIES AND REMARKS:

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	WORK ON WINDLINES + TARPS	800		
			1200	4

DRILLER Draper

COMPANY TIME _____ CONT'R TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER I/C _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN GPM	DESCRIPTION / DEPTH TO WATER IN FT.

BIG INDIAN DRILLING CO. LTD. PROJECT NO. 1-79

RIG. NO. 14 LOCATION 17-SIMPSON DATE JAN 27/09

TOUR 1

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF MIX	LOST DRILL TIME WAIT ON WATER
AF:	AT:										

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	12MN.	2A.M.	4A.M.	6A.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY FT. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	MIDN.	4A.M.
TEMPERATURE:		
WIND VELOCITY:		
RAIN, SNOW, FOG, ETC.		

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER						
HELPER						
HELPER						
TOTAL						

INJURIES AND REMARKS:

TOUR 2

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF MIX	LOST DRILL TIME WAIT ON WATER
AF:	AT:										

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	8A.M.	10A.M.	12 N'n.	2P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY FT. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	8A.M.	NOON
TEMPERATURE:	-30	-25
WIND VELOCITY:	20	CALM
RAIN, SNOW, FOG, ETC.	CLEAR	CLEAR

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER	12					12
HELPER	12					12
HELPER	12					12
TOTAL	36					36

INJURIES AND REMARKS:

TOUR 3

LT:	LF:	HOLE NO.	FROM	TO	T.D. IF FIN.	SIZE CASING	SET TO DEPTH	AMOUNT	SAC CEMENT	AVERAGE TIME PER LOAD OF MIX	LOST DRILL TIME WAIT ON WATER
AF:	AT:										

BIT RECORD	% LEFT	COND	NO.	SIZE	TYPE	SER. NO.	WEIGHT	RPM	FT. DRILLED	REAMED	HRS.	FORM	% LEFT	COND.

MUD	4P.M.	6P.M.	8P.M.	10P.M.
WT.				
VISC.				
GEL				

W.L. _____ F.C. _____ P.H. _____

ADDITIVES: WATER _____ GALS.

1. _____

2. _____

3. _____

PUMP PRESS	PUMP RPM	PUMP DEPTH	PUMP PRESS	PUMP RPM	PUMP DEPTH	SURVEY AT	SURVEY DEG.	SURVEY FT. LOG TO DEPTH

	MOTOR HOURS	FUEL GALS.	NEXT OIL CHANGE AT
DRILL			
W. TRUCK			
MOB. PUMP			

WEATHER	4P.M.	8A.M.
TEMPERATURE:	-30	-35
WIND VELOCITY:	25	5
RAIN, SNOW, FOG, ETC.	CLEAR	CLEAR

GENERAL:

CREW TIME SUMMARY	DRILLING AND OTHER RIG OPER.	PUMPTEST	REPAIRS & MAINTENANCE	RIG UP OR TEAR DOWN	LOST TIME TRAVEL TIME	TOTAL HOURS
DRILLER	4					4
HELPER	4					4
HELPER	4					4
TOTAL	12					12

INJURIES AND REMARKS:

STRATIGRAPHIC LOG / PUMP TEST

FROM FT. / TIME	TO FT. / RATE IN 16P.M.	DESCRIPTION / DEPTH TO WATER IN FT.

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	SAFETY MEETING - CONT'L	12 00		
			2 00	

DRILLER

COMPANY TIME _____ CONT'R TIME _____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	RIG UP AND	8 00		
	WORKING ON CHAIN	8 00	8 00	

DRILLER

COMPANY TIME _____ CONT'R TIME _____

CLASS	REMARKS	TIME START	TIME STOP	TIME INTERVAL
	RIG UP.	8 00		
	START DRILL		12 00	
	WATER PUMP BELT	12 00		
	W. BOILER DRAIN		12 00	
	TOOL MINES		12 00	

DRILLER

COMPANY TIME _____ CONT'R TIME _____

TOTAL CONTRACT TIME _____ HRS. TOOLPUSHER OR DRILLER i/c _____

TOTAL COMPANY TIME _____ HRS. APPROVED BY _____