572

Candel DECIRI et al Stewart B-30

Drilling Authority No. 572

Date Issued 21-01-72

WELL NAME Candel DECIRI et al Stewart B-30

FIELD ..... Area: .....

LOCATION: Unit B Section 30 Grid 64-20-125-15

Latitude 64.19.12 Longitude 125.19.20

U.W.L.R. 64.32000 - 125.32223

U.W.I. 300B306420125150

Rig Release Date: 09-04-72

Status D+A

Information Release Date 09-04-74

CHANGE OF NAME:

DATE RECEIVED	INDEX
21-01-72	Application for a Drilling Authority.
15-05-72	Well Completion Data.
7-09-72	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No. .....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells – Vitter's Method.
	M.P.R. – Oil – Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

IAND 52-90 (3-69)

REVISED

DEPARTMENT OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN
OIL & MINERAL DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. — N° de l'autorisation de forage: 572
Date Issued — Date de délivrance: Jan. 21, 1972

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.
À présenter en double dans les trente jours suivant l'achèvement, le remaniement, l'abandon et le reconditionnement de chaque puits, ou après suspension.

Well Name & No. — Nom et n° du puits	Permit No. — N° de permis	Lease No. — N° de concession
Candel DECLRI et al Stewart B-30	5422	–

(Permittee, Licensee, Lessee) — (Détenteur de permis ou de licence, du concessionnaire)	Exploratory Licence No. — N° de licence de sondage
* see below	1616

(Operator) — (Exécutant)	Exploratory Licence No. — N° de licence de sondage
CanDel Oil Ltd.	1938

LOCATION — EMPLACEMENT

Unit — Unité	Section	Grid — Étendue quadrillée	Latitude	Longitude
B	30	64-20-125-15	64° 19' 12"	125° 19' 20"

Unique Well Identifier — Code d'ordinateur: 300B306420125150

Universal Well Location Reference — Références universelles d'emplacement du puits: 64.32000 N. 125.32223 W.

	Date	Depth — Profondeur
Spudded — Début des travaux	Feb. 15/72 6:30 p.m.	
Suspended — Suspension des travaux		
Resumed Operations — Reprise des travaux		
Finished Drilling — Forage terminé	Mch. 31/72	9668' Log. 9671' Dr.
Deepened — Approfondissement		
Complete (Gas/Oil) — Achèvement (Gaz/Pétrole)		
Abandoned — Abandon	Apr. 9/72	9671'
Rig Released — Fin des travaux	Apr. 9/72 6:00 a.m.	9671'

Pool(s) — Gisement(s): –

Interval(s) Open to Production — Intervalle(s) de production: –

Elevation: Gr. — Altitude du sol: 1675' K.B. — du carré d'entraînement: 1689'

Rig No. — N° de la tour de forage: 9

Drilling Contractor — Entrepreneur en forage: Jennings International Drilling

Contractor's Business Licence No. — N° du permis de l'entrepreneur: 770

CASING RECORD — TUBAGE

Casing Size (inches) — Diamètre (en pouces)	Grade — Qualité	Weight — Poids	Amount — Longeur	Set at — Fixation à	Sacks of Cement and Additives — Sacs de ciment et d'additifs
1. 16" Conductor Pipe	Shop fabricated			35'	Cemented full length
2. 9-5/8"	K-55	36#		1016'	600 sx. w/3% $CaCl_2$ + 1% Gel Flakes + 2% Gel and 190 sx. cement w/2% $CaCl_2$
3.					
4.					
5.					
6.					

Geological Tops — Sommet des formations	Elevation — Profondeur: Depths — Sous le niveau du sol	Sub-Sea — Sous le niveau de la mer
Drift	Surface	
Tertiary	490'	+ 1199
Cretaceous	1460'	+ 229
U. Sand (L. Bear)	3550	- 1861
San Sault	5297'	- 3608
Devonian Canol	5433'	- 3744
Hare Indian	5764	- 4075
L. Bit Shale	5878	- 4189
Hume	5974	- 4285
Bear Rock	6926	- 5237
Sil/Ord. Ronning	8630	- 6941

Core Record — Carottes

From — de	To — à	Rec. Récupérés	From — de	To — à	Rec. Récup.
No Cores					

Log Record — Diagrammes

Run — Série	Type of Log — Genre de diagramme	From — De	To — À
1	Dual Induction-Laterolog	9661'	1014'
1	Formation Density	9666	1014
1	Sidewall Neutron Density	9666	1014
1	Borehole Comp. Sonic	9666	1014
1	Continuous Dipmeter	9662	3500

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 15 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

* Permittee: Total Petroleums (North America) Ltd.

52-90-2 (7-71)

CEMENTING RECORD (Plug, Squeeze, etc.) / CIMENTATION (Bouchon, sous pression, etc.)

Date	From – de	To – à	Remarks – Remarques
4/5/72	9671'	9570'	36 sx. + 14# retarder
4/5/72	8850'	8750'	40 sx. + 14# retarder.
4/6/72	7000'	6800'	80 sx. Top @ 6800'
4/6/72	6015'	5910'	40 sx. Top @ 5915'
4/7/72	4000'	3800'	92 sx. + 3% $CaCl_2$. Top @ 3780'
4/8/72	3600'	3500'	45 sx. + 3% $CaCl_2$. Top @ 3480'
4/8/72	1070'	970'	45 sx. + 3% $CaCl_2$. Top @ 980'
			5 sx. in top surface casing, plate welded.

PERFORATING RECORD (Bullet, Jet) / PERFORATION (à balles, à jet)

Date	From – de	To – à	Remarks – Remarques
			Felt @ 8730'

SERVICING RECORD (Acidizing, Fracing, etc.) / ENTRETIEN (acidification, fracturation, etc.)

Date	From – de	To – à	Remarks – Remarques

DRILL STEM TESTS – ESSAIS AUX TIGES

No. – N°	Date	Formation	From – de	To – à	V.O. Mins. Vanne ouverte (minutes)	I.S.I. Mins. Première obturation (minutes)	F.S.I. Mins. Obturation définitive (minutes)	I.S.I.B.H.P. Pression de fond à la 1re obturation	F.S.I.B.H.P. Pression de fond à l'obturation définitive	I.F.B.H.P. Pression de fond au jaillissement	F.F.B.H.P. Pression de fond à l'écoulement définitif	L.H.P. Pression hydrostatique de début	F.H.P. Pression hydrostatique définitif	Remarks – Remarques
1	3/15/72	Dev. Bear Rk.	6900'	7079'	90	30	120	-	-	-	-	3378.1	3378.1	45' drilling mud - Misrun
2	3/18/72	Bear Rock	6905'	7080'	120	33	236.	2563.2	2563.2	131.3	396.6	3325.1	3308.5	540' muddy water, 270' w-cut drilling mud.
3	4/4/72	Bear Rock	7640'	8160'	120	30	240	-	-	-	-	3674.9	3674.9	30' drilling mud - Misrun
4	5/4/72	Bear Rock	8250'	8500'	118	37	157	3158.4	3161.2	514.0	3157.0	3986.2	-	940' salt water
5	7 & 8/ 4/72	Cretaceous Upper Sand	3608'	3800'	234	30	129	1094.5	1095.9	736.0	1093.2	1691.8	1691.8	620' sli. g-c drilling mud & water; 1660' sli. g-c water

ANALYSIS – ANALYSE

Lab. No. N° de laboratoire	Sample Echantillon	From – de	To – à	Source	Remarks – Remarques
C72-4587	Muddy water	6905'	7080'	D.S.T. #2	Water Analysis
933-2475	Water	8500'	8250'	D.S.T. #4 (top of tool)	Water Analysis
933-2475	Water	3800'	3608'	D.S.T. #5 (top of tool)	Water Analysis
933-2398	Muddy Water	6905'	7080'	D.S.T. #2 (top of tool)	Mud Filtrate Analysis

PRESENT STATUS OF WELL / ETAT ACTUEL DU PUITS

Oil / Pétrole ..... (Interval) (Intervalle)

Gas / Gaz ..... (Interval) (Intervalle)

Dry / Sec: Dry and Abandoned

Susp. / Travaux sus. .....

Company / Société: CanDel Oil Ltd.

Signed by / Signé par: R K Troell

Title / Titre: Vice President, Production

Date: May 12, 1972

Forms to be prepared in duplicate and forwarded to the District Conservation Engineer.

Présenter les formules remplies à l'ingénieur en conservation du district.

DEPARTMENT OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

OIL & MINERAL DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 572
N° de l'autorisation de forage

Date Issued Jan. 21, 1972
Date de délivrance

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.
À présenter en double dans les trente jours suivant l'achèvement, le remaniement, l'abandon et le reconditionnement de chaque puits, ou après suspension.

Well Name & No — *Nom et n° du puits*	Permit No. — *N° de permis*	Lease No. — *N° de concession*
Candel DECLRI et al Stewart B-30	5422	-

(Permittee, License, Lessee) — *(Détenteur de permis, de licence, du concessionnaire)*	Exploratory Licence No. — *N° de licence de sondage*
* see below	1616

(Operator) — *(Exécutant)*	Exploratory Licence No. — *N° de licence de sondage*
CanDel Oil Ltd.	1938

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
B	30	64-20-125-15	64° 19' 12"	125° 19' 20"

Unique Well Identifier — *Code d'ordinateur*	Universal Well Location Reference — *Références universelles d'emplacement du puits*
300B306420125150	64.32000 N. 125.32223 W.

	Date	Depth — *Profoneur*
Spudded *Début des travaux*	Feb. 15/72 6:30 p.m.	
Suspended *Suspension des travaux*		
Resumed Operations *Reprise des travaux*		
Finished Drilling *Forage terminé*	Mch. 31/72	
Deepened *Approfondissement*		
Complete (Gas/Oil) *Achèvement (Gaz/Pétrole)*		
Abandoned *Abandon*	Apr. 9/72	9671'
Rig Released *Fin des travaux*	Apr. 9/72 6:00 a.m.	9671'

Pool(s) *Gisement(s)* —

Interval(s) Open to Production *Intervalle(s) de production* —

Elevation: Gr. *Altitude du sol* 1675' K.B. *du carré d'entraînement* 1689'

Rig No. *N° de la tour de forage* 9

Drilling Contractor *Entrepreneur en forage* Jennings Internation Drilling

Contractor's Business Licence No. *N° du permis de l'entrepreneur* 770

CASING RECORD — *TUBAGE*

Casing Size (Inches) *Diamètre (en pouces)*	Grade *Qualité*	Weight *Poids*	Amount *Longeur*	Set at — *Fixation à*	Sacks of Cement and Additives *Sacs de ciment et d'additifs*
1. 16" Conductor Pipe	Shop fabricated			35'	Cemented full length
2. 9-5/8"	K-55	36#		1016'	600 sx. w/3% $CaCl_2$ + 1% Gel Flakes + 2% Gel and 190 sx. cement w/2% $CaCl_2$
3.					
4.					
5.					
6.					

Geological Tops *Sommet des formations*	Elevation — *Profondeur* Depths *Sous le niveau du sol*	Sub-Sea *Sous le niveau de la mer*
Drift	Surface	
Tertiary	490'	+ 1199
Cretaceous	1460'	+ 229
U. Sand (L.Bear)	3550	- 1861
San Sault	5297'	- 3608
Devonian Canol	5433'	- 3744
Hare Indian	5764	- 4075
L.Bit Shale	5878	- 4189
Hume	5974	- 4285
Bear	6926	- 5237
Sil/Ord.Konning	8630	- 6941

Core Record — *Carottes*

From — *de*	To — *à*	Rec. *Récupérées*	From — *de*	To — *à*	Rec. *Récup.*
No Cores					

Log Record — *Diagrammes*

Run *Série*	Type of Log *Genre de diagramme*	From — *De*	To — *À*
1	Dual Induction-Laterolog	9661'	1014'
1	Formation Density	9666	1014
1	Sidewall Neutron Density	9666	1014
1	Borehole Comp. Sonic	9666	1014
1	Continuous Dipmeter	9662	3500

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 15 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

* Permittee: Total Petroleums (North America) Ltd.

52-90-2 (7-71)

CEMENTING RECORD (Plug, Squeeze, etc.) *CIMENTATION (Bouchon, sous pression, etc.)*

Date	From – *de*	To – *à*	Remarks – *Remarques*
4/5/72	9671'	9570'	36 sx. + 14# retarder
4/5/72	8850'	8750'	40 sx. + 14# retarder
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4/6/72	6015'	5910'	40 sx. Top @ 5915'
4/7/72	4000'	3800'	92 sx. + 3% $CaCl_2$. Top @ 3780'
4/8/72	3600'	3500'	45 sx. + 3% $CaCl_2$. Top @ 3680'
4/8/72	1070'	970'	45 sx. + 3% $CaCl_2$. Top @ 980'
			5 sx. in top surface casing, plate welded.

PERFORATING RECORD (Bullet, Jet) *PERFORATION (à balles, à jet)*

Date	From – *de*	To – *à*	Remarks – *Remarques*

SERVICING RECORD (Acidizing, Fracing, etc.) *ENTRETIEN (acidification, fracturation, etc.)*

Date	From – *de*	To – *à*	Remarks – *Remarques*

DRILL STEM TESTS – *ESSAIS AUX TIGES*

No. – *N°*	Date	Formation	From – *de*	To – *à*	V.O. Mins. *Vanne ouverte (minutes)*	I.S.I. Mins. *Première obturation (minutes)*	F.S.I. Mins. *Obturation définitive (minutes)*	I.S.I.B.H.P. *Pression de fond à la 1re obturation*	F.S.I.B.H.P. *Pression de fond à l'obturation définitive*	I.F.B.H.P. *Pression de fond au jaillissement*	F.F.B.H.P. *Pression de fond à l'écoulement définitif*	L.H.P. *Pression hydrostatique de début*	F.H.P. *Pression hydrostatique définitif*	Remarks – *Remarques*
1	3/15/72	Dev. Bear Rk.	6900'	7079'	90	30	120	-	-	-	-	3378.1	3378.1	45' drilling mud - Misrun
2	3/18/72	Bear Rock	6905'	7080'	120	33	236	2563.2	2563.2	131.3	396.6	3325.1	3308.5	540' muddy water, 270' w-cut drilling mud.
3	4/4/72	Bear Rock	7640'	8160'	120	30	240	-	-	-	-	3674.9	3674.9	30' drilling mud - Musrun
4	5/4/72	Bear Rock	8250'	8500'	118	37	157	3158.4	3161.2	514.0	3157.0	3986.2	-	940' salt water
5	7 & 8/ 4/72	Cretaceous Upper Sand	3608'	3800'	234	30	129	1094.5	1095.9	736.0	1093.2	1691.8	1691.8	620' sli. g-c drilling mud & water; 1660' sli. g-c water

ANALYSIS – *ANALYSE*

Lab. No. *N° de laboratoire*	Sample *Échantillon*	From – *de*	To – *à*	Source	Remarks – *Remarques*
C72-4587	Muddy water	6905'	7080'	D.S.T. #2	Water Analysis
933-2475	Water	8500'	8250'	D.S.T. #4 (top of tool)	Water Analysis
933-2475	Water	3800'	3608'	D.S.T. #5 (top of tool)	Water Analysis
933-2398	Muddy Water	6905'	7080'	D.S.T. #2 (top of tool)	Mud Filtrate Analysis

PRESENT STATUS OF WELL *ETAT ACTUEL DU PUITS*

Oil *Pétrole* ..... (Interval) *(Intervalle)* .....

Gas *Gaz* ..... (Interval) *(Intervalle)* .....

Dry *Sec* ..... Dry and Abandoned

Susp. *Travaux sus.* .....

Company *Société* ..... CanDel Oil Ltd.

Signed by *Signé par* ..... B. H. Tisdall

Title *Titre* ..... Vice President, Production

Date ..... May 12, 1972

Forms to be prepared in duplicate and forwarded to the District Conservation Engineer.

Présenter les formules remplies à l'ingénieur en conservation du district.

Drilling Authority No. ....572.....
Project No. .....

1995'

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well ....Candel.DECLRI.et.al.Stewart.B-30.....

Location: Unit .....B..... Section .....30..... Grid ....64-20-125-15....
Latitude ..64° 19' 12"..... Longitude ..... 125° 19' 20".....
Unique Well Identifier....300B306420125150.....
Universal Well Location Reference. 64-32000. N.....125-32223.W.....

Elevation: Ground 1975' (shot point / 21 Line G) K.B. .....1995'(Estimated)... feet above sea-level.
Well is expected to produce from ...Devonian, Sil-Ord..... formation at a depth of about ..... feet. Expected total final depth .....9500'.....
Area assigned to well .....Wildcat.....
(for District Conservation Engineer's use only)

.....

Permit No. ....5422..... Lease No. ..... Acreage ....55,668.....
Permittee, licensee, or lessee ..(attached)....Total Petroleums (North America) Ltd.....
Explanatory Licence No. ....(see attached)...1616 Total Petroleums (North America) Ltd.
Surface owned by Crown or .....
(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:—

Ceasing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 9-5/8	36#	K-55	New	1000'	525
2. 16" shop fabricated conductor pipe to be set at not less than					
3. 40' or into a competent formation cement to surface					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment... BOP stack and drilling fluid
.....Devonian, Sil-Ord.....

Well will be drilled with Rotary Rig No. ....9..... by ...Jennings International Drilling....
(Drilling Contractor or company)

.....

Responsible agent of applicant:— Contractor's Business Licence No. ....770.....
At well. ....B.R. Nelson..... At registered office.....R. K. Terrell.....
Address ..330-5th Ave. S.W.Calgary.. Address ..330 -5th Avenue 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....., this ....19th... day of ....January..... 19 72
Signed by ..... Company ...CANADIAN DELHI OIL LTD.....
Title ....Land Manager..... Operator's Licence No. .....1938.....

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:
.....Please see attached sheet for conditions.....
.....
.....
Dated. January 21... 19. 72 ..... District Conservation Engineer

Forms to be submitted to District Conservation Engineer, Department of Indian Affairs and Northern Development.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 21 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

verso

CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO. 572
FOR Candel DECLRI et al Stewart B-30

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.

2. The Company will submit to this office on Tuesday of each week, a Progress Report on the well. The Oil Conservation Engineer may request more frequent reports.

3. All waste materials shall be disposed of in a manner that will prevent pollution to adjacent areas.

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

5. Any additional strings of casing must be approved by the District Conservation Engineer prior to running.

6. All shows (small or large) of oil and gas are to be reported immediately.

G. E. Blue,
District Conservation Engineer,
Box 1500,
Yellowknife, N.W.T.

Bus. Phone 873-4421
Res. Phone 873-3028

CANADA

Drilling Authority No. 572

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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 CanDel DECLRI et al Stewart B-30

Location: Unit B Section 30 Grid 64-20-125-15

Latitude 64° 19' 12" Longitude 125° 19' 20"

From Established Reference Marker Seismic Survey and Elevations

Universal Well Location Reference 64.32000N - 125.32223W

Permit No. 5422 Lease No.

Total Petroleum (North America) Ltd.
(Permittee, Licencee, Lessee)

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None

Gas at Trace on DST. 3608-3800'

Water at DST. 6905-7080', 540' muddy water; 8250-8500', 940' S.W.; 3600-3800', *

Total Depth 9671' Date of last operations April 4/72 - Finish DST program

Present condition of well Drilled - Open to T.D. - Logged - Tested - Full drilling fluid

When proposed program complete - plugged and abandoned - Rig Released
6:30 a.m. April 9, 1972

CASING RECORD

* 1660' sli. G.C. water

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 16" Conductor	Shop Fab.		35' G.L.	Full Length	None
2. 9-5/8"	36#		1016'	600 w/3% $CaCl_2$ + 1%	None
3.				Gel Flakes + 2% Gel	
4.				& 190 sacks cement	
5.				w/2% $CaCl_2$	

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	9671-9570'	Bottom Hole into Ronning	36 + 14# Retarder	No Feel
2	8850-8750'	Lower Ronning	40 + 14# Retarder	8730'
3	7000-6800'	Bear Rock	80	6800'
4	6015-5910'	Hume	40	5915'
5	4000-3800'	Between San Sault & Little Bear	92 + 3% $CaCl_2$	3780'
6	3600-3500'	Cretaceous	45 + 3% $CaCl_2$	3480'
7	1070-970'	In & Out Surface Casing	45 + 3% " $_2$	980'
8	Top Surface Csg.		5 & Plate Welded on top	

The following logs have been run Dual Ind. Laterolog; Form. Density; Sidewall Neut. Density; BHC Sonic & Dipmeter

Other operations proposed None

Operations to be carried out by Jennings International Dr Contractor Licence No. 770

Address Edmonton & Calgary Address

Responsible Agent in field D. R. Nelson - CanDel Oil, Box 54, Norman Wells, N.W.T.

Dated at Calgary, this 22nd Day of February 19 73

Signed by B. K. Sunell Company CanDel Oil Ltd.

Title Vice President, Production Operator's Exploratory Licence No. 1534

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Dated March 2, 19 73

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 2 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

District Conservation Engineer

IAND 52-90-5 (7-71)

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

Voir au verso

GEOLOGICAL PROGNOSIS

Well Name: Candel DECLRI et al Stewart B-30

Location: B-30-64-20-125-15

Elevation: Ground 1675' (shot point 21, Line "G")

K.B. Est. 1695'

Operator: Canadian Delhi Oil Ltd.

Contractor: Jennings International Drilling, Rig #9

Markers:

Formation	Drilling Depth	Sub-Sea Depth
Tertiary	near surface	
Cretaceous		
Upper Sands	3805	-2110
Base U. Sands	4220	-2525
Devonian Imperial	5380	-3705
Hume	6000	-4305
Bear Rock	6445	-4750
Sil-Ordovician		
Ronning	7585	-5890
Total Depth	9500	-7805

Note: Anhydrite can be expected in the Bear Rock section.

Samples: One bag of washed samples will be taken at 10 foot intervals from surface to total depth.

Testing: All tests at discretion of wellsite geologist.

Coring: If water free hydrocarbons are recovered on a test, a core should be cut and further tests run if warranted.

..... 2

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 21 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

Logging:

Dual Ind. Laterolog	2" T.D. to surface casing 5" T.D. to surface casing
BHC Sonic Gamma w/Caliper	2" T.D. to surface casing 5" T.D. to surface casing
Formation Density	2" T.D. to surface casing 5" T.D. to surface casing
Sidewall Neutron Porosity	2" T.D. to surface casing 5" T.D. to surface casing

Measurements:

Pipe must be tallied on all trips out for coring, testing, logging or as requested by the wellsite geologist or engineer in charge.

Canadian Delhi Oil Ltd.,
28th floor, Calgary Place No. 1,
330 - 5th Avenue S.W.,
CALGARY 1, Alberta.

Telephone: 265-3430

K. E. Basaraba	Home Phone	282-4698
D. M. Ericson	" "	252-3277
R. K. Terrell	" "	289-7652

****

DRILLING AUTHORITY No. 572

WELL BULLETIN - CANADA LANDS

OIL AND MINERAL DIVISION

DATE 21 Jan. 1972.

Date Drilling Authority Issued:

Permit No.: 5422

Company: Canadian Delhi Oil Ltd.

Well Name: CANDEL DECLRI ET AL STEWART B-30

Location: Lat. 64° 19' 12" N. Long. 125° 19'20" W.

Co ordinates: Unit: B Section: 30 Grid: 64-20-125-15

Universal Well Location Reference: 64.32000 N. 125.32223W.

Unique Well Identifier: 300B306420125150

Field: Wildcat

Ground Elevation: 1975'
Projected Depth: 9500'
Contractor: Jennings International Drilling Rig No. 9

Mail To:

Oil & Gas Journal
Petroleum Information Exchange
Oilweek
Daily Oil Bulleint
Well Information Services
Northwestern District Oil Scouts
~~Axx&xxAndxxxxx~~
G. B. Armstrong
D. Bohun
M. Thomas

G. E. Blue,
Oil Conservation Engineer,
Oil & Mineral Division,
D.I.A.N.D.,
Box 1500,
Yellowknife, N.W.T.

WELL HISTORY REPORT

Candel DECLRI et al Stewart B-30

N.W.T., Canada

821-11-4-4

T.A.D. Haddow, P.Geol.

THIS IS A CONCISE REPORT OF THE
OPERATIONS CONDUCTED AT THE WELL

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
SEP 7 1972
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

'CANDEL DECLRI ET AL STEWART B-30'

Data in this report was compiled for
CanDel Oil Ltd. by T. A. D. Haddow, P. Geol.,
Geological Consultant at the well

July 28, 1972

K. E. Basaraba,
CANDEL OIL LTD.

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
SEP 7 19
JUL 31 1972
OTTAWA, CANADA
YELLOWKNIFE, N.W.T.
Dept. of Indian Affairs & Northern Development
NORTHERN ECONOMIC DEVELOPMENT BRANCH

REPORT ON THE DRILLING AND COMPLETION

OF

Candel DECLRI et al Stewart B-30

LOCATED IN

Unit B, Section 30, Grid 64-20-125-15

N.W.T. CANADA

PREPARED FOR CANDEL OIL LTD.

JUNE, 1972

Submitted by: T.A.D. Haddow

T.A.D. Haddow, P. Geol.

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SECTION I - SUMMARY OF WELL DATA

Name of Well: Candel DECLRI et al Stewart B-30

Location: Unit B, Section 30, Grid 64-20-125-15 (shot point 21, Line "G")

Latitude 64° 19' 12" Longitude 125° 19' 20"

Unique Well Identifier: 300B306420125150

Universal Well Location Reference: 64.32000N 125.32223W

Operator: CanDel Oil Ltd., Permit No. 5422
28th floor, One Calgary Place,
330 - 5th Avenue S.W.,
Calgary, Alberta.

Permittee: Total Petroleums (North America) Ltd. Licence No. 1616

Drilling Contractor:

Jennings International Drilling,
Rig #9, GA 500 Emsco

Drilling Authority:

No. 572 issued 21st of January, 1972

Classification: Wildcat

Elevations: Ground 1675' K.B. 1689'

Spudded: 6:30 P.M. February 15, 1972

Drilling Completed:

March 31, 1972

Total Depth: Driller - 9671' Logger - 9668'

Well Status: Dry and Abandoned

Rig Released: 6:00 A.M. April 9, 1972

Hole Sizes: 13 3/4" 0' - 1018' K.B.
8 3/4" 1018' - 9671' K.B.

Surface Casing: Ran 26 jts. (1018') 9 5/8", 36# K-55 New Casing
Set at 1016' K.B. Cemented w/600 Sacks w/3% $CaCl_2$
+ 1% Gel Flakes + 2% Gel and 190 sacks cement
w/2% $CaCl_2$.
Plug down at 1:00 P.M. February 21, 1972.

SUMMARY OF WELL DATA CONT'D.

Conductor Pipe:	16" Conductor Pipe - Shop Fabricated, Set @ 35', cemented full length		
Electrical Logs:	Schlumberger		
	Dual Induction - Laterolog	run 1 April 1, 1972	(1014-9661')
	Borehole Compensated Sonic Log -	run 1 April 1, 1972	(1014-9666')
	Formation Density Log	run 1 April 1, 1972	(1014-9666')
	Sidewall Neutron Porosity Log	run 1 April 1, 1972	(1014-9666')
	Dipmeter	run 1 April 2, 1972	(3500-9666')
Engineer:	D. R. Nelson		
Geologists:	T.A.D. Haddow	surface - 7700', 9070' - 9671'	
	P. L. Brown	7700' - 9070'	
Tool Pusher:	G. Ludvikson		

SECTION II GEOLOGICAL SUMMARY

FORMATION TOPS

K.B. 1689'

Formation	Sample Depth	E-Log Depth	E-Log Sub-Sea Depth
Tertiary	490'	490'	+1199'
Cretaceous		1460'	+ 229'
Upper Sands	3538'	3550'	-1861'
Base Upper Sands	3995'	3982'	-2293'
San Sault (U. Bituminous)	5295'	5297'	-3608'
Devonian Canol		5433'	-3744'
Hare Indian		5764'	-4075'
L. Bituminous Shale		5878'	-4189'
Hume	5976'	5974'	-4285'
Bear Rock	6900'	6926'	-5237'
Bear Rock Evaporites	7200'	7207'	-5518'
Sil-Ordovician			
Ronning		8630'	-6941'
TOTAL DEPTH	9671'	9668'	-7979'

CANDEL DECLRI et al STEWART B-30
64 - 20N - 125 - 15W

SAMPLE DESCRIPTIONS

Surface - 30	Conglomerate. Chert granules & pebbles - black and some grey, rounded; quartzite granules and pebbles - varicolored; trace of fine to medium grained siliceous sandstone - some loose-fine to medium-subangular to subrounded quartz grains.
30 - 490	Conglomerate. Chert and quartzite granules and pebbles, some reddish iron oxide staining.
	TERTIARY 490'
490 - 550	Shale - grey, blocky, micromicaceous, some silty and sandy streaks, scattered flecks and streaks of carbonaceous material.
550 - 600	Shale - grey - slightly greenish and brownish in part, blocky, soft, micromicaceous, silty streaks, thin streaks of sandstone - grey, very fine to fine grained, argillaceous, kaolinitic, calcareous in part, tight; some streaks of carbonaceous materials, trace of coal.
600 - 640	Shale - grey, blocky, soft, micromicaceous, silty and sandy streaks.
640 - 700	Shale - as above - silty streaks, some thin interbeds of sandstone - salt and pepper, fine grained, calcareous, tight.
700 - 760	Shale - grey, blocky, micromicaceous, silty and sandy streaks, scattered streaks of carbonaceous material.
760 - 900	Shale - as above - somewhat more silty and sandy - calcareous in part.
900 - 950	Shale - grey, micromicaceous, silty and sandy streaks. Sandstone - salt and pepper, very fine to fine grained - rarely medium grained, kaolinitic, argillaceous, flecks and streaks of carbonaceous material.
950 - 1020	Shale - as above, silty, thin interbedded sandstone - grey, very fine grained, kaolinitic, argillaceous, tight; some thin interbeds of sandstone - salt and pepper, fine to coarse grained, kaolinitic, calcareous in part, tight.
1020 - 1040	Siltstone - grey, argillaceous, some interbedded grey shale. Sandstone - salt and pepper, friable, very fine to fine grained, kaolinitic, tight.
1040 - 1060	Shale - grey, blocky, silty and sandy streaks - the sandstone is salt and pepper, fine to medium grained, argillaceous, calcareous, tight.

Note: Samples lagged from 3000 feet to total depth

1060 - 1100	Shale - grey, blocky, silty and sandy streaks, some flecks and streaks of carbonaceous material.
1100 - 1120	Shale, as above, silty streaks and thin interbeds of sandstone - salt and pepper, very fine to fine grained, kaolinitic, calcareous in part, tight.
1120 - 1130	Shale - grey, blocky, micromicaceous, silty and sandy streaks, flecks and streaks of carbonaceous material.
1130 - 1140	Shale - as above, silty streaks and abundant thin interbeds of sandstone - salt and pepper, very fine grained, argillaceous kaolinitic, tight.
1140 - 1160	Sandstone - slightly yellowish-brown, very fine to fine grained, silty, argillaceous, kaolinitic, shaly streaks, calcareous in part, tight, some flecks and streaks of carbonaceous material.
1160 - 1170	Shale - grey, blocky, micromicaceous, silty and sandy streaks.
1170 - 1220	Shale - as above, abundant thin interbedded sandstone - salt and pepper, very fine to fine grained, silty, argillaceous, kaolinitic, calcareous in part, tight, some carbonaceous material.
1220 - 1240	Shale - grey, blocky, micromicaceous, silty streaks, thin interbedded sandstone - salt and pepper, fine to medium grained, kaolinitic, argillaceous, tight, scattered black rounded chert pebbles, some carbonaceous material.
1240 - 1250	Shale - as above, silty streaks, thin interbedded, very fine to fine grained sandstone - calcareous in part, kaolinitic in part.
1250 - 1280	Shale - grey, blocky, micromicaceous, silty streaks and thin streaks and lenses of sandstone - salt and pepper, very fine to fine grained, argillaceous, kaolinitic, calcareous, tight, scattered flecks of carbonaceous material.
1280 - 1290	Shale - as above, silty streaks and thin streaks of sandstone - salt and pepper, very fine to fine grained, argillaceous, kaolinitic, tight.
1290 - 1300	Sandstone - unconsolidated black chert and quartz grains - medium to coarse grained, subangular to subrounded, good intergranular porosity (assumed).
1300 - 1310	Sandstone - salt and pepper, fine to medium grained, kaolinitic, calcareous, argillaceous, tight, scattered chert pebbles - black, subrounded.

1310 - 1320	Sandstone - unconsolidated black chert and frosted quartz grains - medium to coarse grained, subangular to subrounded, good intergranular porosity (assumed), scattered chert pebbles.
1320 - 1360	Shale - grey, blocky, micromicaceous, silty streaks, streaks and minor interbeds of sandstone - salt and pepper, very fine to fine grained, argillaceous, kaolinitic, calcareous in part, tight.
1360 - 1370	Sandstone - salt and pepper, friable, very fine to fine grained, kaolinitic, calcareous in part, tight, shaly streaks.
1370 - 1440	Shale - grey, blocky, micromicaceous, silty streaks, abundant thin interbedded sandstone - salt and pepper, very fine to fine grained, kaolinitic, calcareous in part, tight.
1440 - 1450	Sandstone - salt and pepper, hard, medium to coarse grained, calcareous, tight.
1450 - 1480	Shale - grey, blocky, micromicaceous, silty streaks, thin interbedded sandstone - salt and pepper, fine to medium grained, kaolinitic, calcareous in part, tight.
1480 - 1490	Shale - as above - some minor interbedded sandstone - medium grey, 80% black chert - 20% quartz, medium hard, fine grained, kaolinitic, argillaceous, fair to good intergranular porosity.
1490 - 1510	Shale - grey, fissile to blocky, micromicaceous, slightly silty and sandy, some scattered streaks and flecks of carbonaceous material.
1510 - 1560	Sandstone - salt and pepper, fine to medium grained, kaolinitic, calcareous in part, tight, interbedded grey shale.
1560 - 1590	Shale - grey, fissile - blocky in part, micromicaceous.
1590 - 1600	Shale - grey, fissile to blocky, micromicaceous, scattered flecks and streaks of carbonaceous material, silty and sandy streaks.
1600 - 1610	Shale - as above. Sandstone - salt and pepper, fine to medium grained, kaolinitic slightly calcareous in part, tight.
1610 - 1800	Shale - grey, fissile, micromicaceous, some scattered silty and sandy streaks, slightly bentonitic in part, some scattered streaks of bentonite.
1800 - 1920	Shale - grey, fissile, micromicaceous, some scattered silty and sandy streaks, some carbonaceous material, bentonitic.

1920 - 1990	Shale - grey, slightly brownish, fissile, micromicaceous, silty and sandy streaks, bentonitic.
1990 - 2000	Shale - as above, scattered pyrite.
2000 - 2040	Shale - grey, fissile, micromicaceous, silty and sandy streaks, bentonitic.
2040 - 2080	Shale - slightly brownish grey - light bluish grey, bentonitic streaks, fissile, micromicaceous, scattered silty and sandy streaks.
2080 - 2110	Sandstone - salt and pepper, fine to medium grained, kaolinitic slightly calcareous in part, tight, interbedded grey shale.
2110 - 2130	Shale - grey, blocky - fissile in part, micromicaceous, silty and sandy streaks.
2130 - 2170	Shale - grey, fissile, micromicaceous, silty and sandy streaks, pyritic in part.
2170 - 2350	Shale - as above - bentonitic in part, some scattered streaks of carbonaceous material, slightly pyritic in part, scattered silty and sandy streaks.
2350 - 2540	Shale - as above - pyritic in part, scattered streaks of bentonite, scattered carbonaceous material, scattered silty and sandy streaks.
2540 - 2590	Shale - grey, fissile, micromicaceous, bentonitic in part, scattered silty and sandy streaks, some carbonaceous material.
2590 - 2600	Shale - grey to medium dark grey, fissile, micromicaceous, bentonitic in part, scattered silty and sandy streaks.
2600 - 2660	Shale - grey, some medium dark grey - as above.
2660 - 2870	Shale - as above, some scattered pyrite.
2870 - 2990	Shale - grey, some medium dark grey - streaks of light greenish grey with finely disseminated pyrite, fissile, micromicaceous, bentonitic streaks, some scattered fossils, some scattered carbonaceous material, silty and sandy streaks.
2990 - 3040	Shale - grey - some light greenish grey, fissile, micromicaceou scattered silty and sandy streaks, some scattered bentonitic streaks, some streaks of black bituminous shale.
3040 - 3050	Shale - grey, fissile, micromicaceous, silty and sandy streaks, some scattered chert pebbles - black, rounded; some bentonitic streaks.
3050 - 3150	Shale - as above, some streaks of greenish grey shale - fissile micromicaceous, finely disseminated pyrite, silty and sandy streaks - a few scattered chert pebbles, bentonitic streaks.

3150 - 3230	Shale - as above, abundant streaks of greenish grey and very light slightlybluish grey bentonitic shale, silty and sandy streaks - some scattered chert pebbles.
3230 - 3240	Shale - grey, fissile, micromicaceous, silty and sandy, bentonitic streaks.
3240 - 3300	Shale - as above - abundant bentonitic streaks, silty and sandy streaks - some scattered chert pebbles.
3300 - 3350	Shale - as above - some brownish grey claystone, bentonitic streaks, silty and sandy streaks - some scattered chert pebbles, some scattered fossils.
3350 - 3490	Shale - grey to medium dark grey, fissile, micromicaceous, silty and sandy streaks - scattered chert pebbles, bentonitic streaks, some brownish grey claystone - streaks of carbonaceous material , some scattered fossils.
3490 - 3510	Shale - grey to medium dark grey, fissile, micromicaceous, bentonitic streaks, some thin silty streaks, and minor interbedded sandstone - salt and pepper, fine grained, kaolinitic, argillaceous, slightly glauconitic, some scattered chert pebbles.
3510 - 3530	Shale - as above, silty and sandy streaks.
3530 - 3540	Shale - as above. Sandstone - salt and pepper, medium hard, very fine to fine grained 50% dark chert - 50% frosted quartz, grains are subrounded, argillaceous, kaolinitic, streakyslight intergranular porosity, some carbonaceous streaks - very faint oil stain (probably from carbonaceous material), some scattered chert pebbles.
3540 - 3550	Shale - grey, silty and sandy streaks. Sandstone - salt and pepper, very fine to fine grained, subrounded chert and quartz grains, argillaceous, kaolinitic, tight.
3550 - 3560	Sandstone - brownish grey to grey - salt and pepper in part, very fine to fine grained, subrounded to subangular chert and quartz grains - some streaks nearly quartzose, argillaceous and kaolinitic in part, calcareous in part, streaky slight intergranular porosity, very shaly.
3560 - 3620	Sandstone - salt and pepper - slightly brownish grey, very fine to fine grained, 85% quartz - 15% black chert grains, well sorted, subrounded, silty, argillaceous, kaolinitic, poor to fair intergranular porosity, scattered chert pebbles, trace of carbonaceous material.

3620 - 3630	Sandstone - as above - becoming shaly.
3630 - 3640	Shale - grey to medium dark grey, silty streaks, minor interbedded sandstone as above.
3640 - 3650	Shale - as above. Sandstone - salt and pepper, very fine to fine grained, 85% quartz and 15% black chert, well sorted, subrounded, argillaceous, kaolinitic, poor to fair intergranular porosity.
3650 - 3660	Shale - medium dark grey, fissile micromicaceous. Sandstone - very light grey, very friable, very fine to fine grained, quartzose, well sorted, subrounded to rounded, siliceous, good intergranular porosity.
3660 - 3680	Sandstone - as above - slightly kaolintic and argillaceous in part.
3680 - 3700	Shale - medium dark grey, fissile, micromicaceous, some sandy streaks.
3700 - 3730	Sandstone - salt and pepper, very friable, medium to coarse grained, 85% frosted quartz grains - 15% black chert grains, well sorted, subangular to subrounded, slightly siliceous, slightly argillaceous and kaolinitic in part, good intergranular porosity, shaly streaks.
3730 - 3750	Shale - medium dark grey, fissile, micromicaceous, sandy streaks.
3750 - 3760	Shale - as above. Sandstone - very light grey - salt and pepper in part, friable fine grained, quartzose for the most part, well sorted, subrounded, frosted, slightly siliceous, argillaceous and kaolinitic in part, fair to good intergranular porosity, shaly.
3760 - 3770	Sandstone - salt and pepper, friable, fine grained, 85% quartz, 15% black chert, well sorted, subangular to subrounded kaolinitic, argillaceous, very slightly glauconitic, some scattered pyrite, poor to fair intergranular porosity, some scattered carbonaceous material, scattered chert pebbles.
3770 - 3800	Sandstone - light grey - salt and pepper, friable, fine to medium grained, kaolinitic, argillaceous, slightly siliceous in part, very slightly glauconitic, fair to good intergranular porosity, scattered laminae of carbonaceous material , scattered chert pebbles.
3800 - 3820	Sandstone - light yellowish brown - salt and pepper, friable, fine grained, 90% quartz - 10% dark chert, well sorted, subangular to subrounded, argillaceous, kaolinitic, poor to fair intergranular porosity, scattered chert pebbles, shaly.

3820 - 3830	Sandstone - as above, lighter color.
3830 - 3850	Shale - medium dark grey, fissile, micromicaceous, sandy streaks.
3850 - 3870	Sandstone - very light grey, very friable, fine grained, quartzose, well sorted, subangular, kaolinitic, good intergranular porosity.
3870 - 3920	Sandstone - light grey - salt and pepper, friable, 90% quartz, 10% chert, well sorted, subangular to subrounded, argillaceous, kaolinitic, poor to fair intergranular porosity.
3920 - 3960	Shale - medium dark grey, fissile, micromicaceous, minor interbedded sandstone as above.
3960 - 3970	Sandstone - yellowish brown, very friable, fine to medium grained, 90% quartz - 10% chert, well sorted, subangular to subrounded, kaolinitic, argillaceous, poor to fair intergranular porosity, shaly streaks.
3970 - 3980	Shale - medium dark grey, fissile. Sandstone - salt and pepper, friable, fine to medium grained, 85% quartz - 15% dark chert, well sorted, subangular to subrounded, kaolinitic, argillaceous, scattered carbonaceous material, poor to fair intergranular porosity.
3980 - 3990	Sandstone - salt and pepper, friable, very fine to fine grained, 90% quartz - 10% black chert, well sorted, subangular to subrounded, kaolinitic, argillaceous, poor to fair intergranular porosity.
3990 - 4000	Sandstone - as above. Shale - medium dark grey, fissile, micromicaceous, sandy streaks.
4000 - 4130	Shale - medium dark grey, fissile, micromicaceous, scattered silty and sandy streaks.
4130 - 4140	Shale - as above. Sandstone - salt and pepper, friable, very fine to fine grained, argillaceous, kaolinitic, poor intergranular porosity, some pyrite, trace of carbonaceous material, some scattered chert pebbles.
4140 - 4160	Shale - medium to dark grey, fissile, micromicaceous, silty and sandy streaks, some scattered fossil fragments.
4160 - 4170	Shale - as above. Sandstone - salt and pepper, friable, very fine to fine grained, argillaceous, kaolinitic, poor intergranular porosity, scattered chert pebbles.

4170 - 4210	Shale - medium to dark grey, fissile, silty streaks, minor interbedded sandstone - calcareous in part.
4210 - 4230	Shale - as above. Sandstone - dirty grey - salt and pepper, very fine to fine grained, argillaceous, kaolinitic in part, poor intergranular porosity, pyritic in part.
4230 - 4240	Shale - as above. Sandstone - light grey, salt and pepper, very fine to fine grained, argillaceous, kaolinitic, poor intergranular porosity.
4240 - 4270	Shale - as above - minor interbedded salt and pepper sandstone.
4270 - 4290	Shale - with minor interbedded sandstone as above - scattered chert pebbles.
4290 - 4320	Shale - medium to dark grey, fissile. Sandstone - light grey to dirty grey - salt and pepper, very fine to fine grained, argillaceous, kaolinitic, poor intergranular porosity, scattered chert pebbles.
4320 - 4340	Shale - medium to dark grey, fissile, minor interbedded salt and pepper sandstone, silty streaks.
4340 - 4350	Shale - as above. Sandstone - salt and pepper, very fine grained, kaolinitic, argillaceous, poor intergranular porosity, some laminae of carbonaceous material.
4350 - 4360	Shale - as above. Sandstone - salt and pepper, very fine to fine grained, kaolinitic, argillaceous, poor intergranular porosity, scattered chert pebbles.
4360 - 4370	Sandstone - salt and pepper, very fine to fine grained, kaolinitic, argillaceous, calcareous in part, poor intergranular porosity, scattered chert pebbles.
4370 - 4410	Shale - as above, abundant silty and sandy streaks.
4410 - 4430	Sandstone - salt and pepper, very fine to fine grained, kaolinitic, argillaceous, poor intergranular porosity, pyrite, interbedded shale.
4430 - 4450	Shale - medium to dark grey, fissile, silty streaks and minor interbedded sandstone.
4450 - 4480	Shale - as above. Sandstone - light grey to dirty grey - salt and pepper, fine grained, kaolinitic, argillaceous, poor intergranular porosity, pyrite in part, some laminae of carbonaceous material.

4480 - 4510	Shale and Sandstone - as above - sands are calcareous in part, some scattered chert pebbles.
4510 - 4550	Shale - medium to dark grey, fissile, silty and sandy streaks, some scattered pyrite.
4550 - 4570	Shale - as above. Sandstone - salt and pepper, very fine to fine grained, kaolinitic, argillaceous, siliceous in part, poor intergranular porosity, pyritic, some carbonaceous material.
4570 - 4640	Shale - medium to dark grey, fissile, micromicaceous, silty and sandy streaks, scattered pyrite, some scattered thin bands of brown ironstone.
4640 - 4660	Shale - as above, some minor interbedded sandstone - light grey - salt and pepper, very fine to fine grained, kaolinitic, some argillaceous streaks, calcareous in part, poor to fair intergranular porosity, very light oil stain.
4660 - 4670	Shale - as above, some silty and sandy streaks.
4670 - 4730	Shale - as above, minor interbedded sandstone - salt and pepper very fine to fine grained, kaolinitic, argillaceous, siliceous in part, streaky intergranular porosity - noneffective as sands too thin, patchy, very light oil stain, silty streaks.
4730 - 4800	Shale - medium to dark grey, fissile, micromicaceous, silty and sandy streaks, scattered pyrite, some brown ironstone, some spotty oil stain associated with the siliceous - tighter streaks.
4800 - 4850	Shale - medium to dark grey, fissile, micromicaceous, some silty and sandy streaks, some scattered brown ironstone.
4850 - 4970	Shale - dark grey, fissile, micromicaceous, some scattered silty and sandy streaks, a few fossil fragments, pyritic in part.
4970 - 4990	Shale - as above - somewhat more sand.
4990 - 5050	Shale - dark grey, fissile, micromicaceous, silty and sandy streaks, some scattered pyrite.
5050 - 5070	Shale - dark grey, fissile, micromicaceous, silty and sandy streaks, trace of greenish grey shale.
5070 - 5090	Shale - medium to dark grey, fissile, micromicaceous, silty and sandy streaks, trace of greenish grey shale, trace of chert lenses.
5090 - 5190	Shale - dark grey, fissile, micromicaceous, silty and sandy streaks, some scattered pyrite.

5190 - 5290	Shale - as above, some thin streaks of brown ironstone.
5290 - 5300	Shale - as above; shale - dull medium dark grey, fissile, micromicaceous, bituminous.
5300 - 5320	Shale - medium dark grey - dull slightly brownish cast, fissile, micromicaceous, bituminous, scattered streaks of carbonaceous materials, fossil fragments.
5320 - 5330	Shale - grey, blocky, some scattered white specks, calcareous in part, shell fragments, (fish remains?), streaks of dark grey, very fine crystalline, dense argillaceous limestone.
5330 - 5390	Shale - dull grey - slightly brownish, fissile, micromicaceous, bituminous, fossiliferous - fish remains, few scattered streaks of dark grey, microcrystalline, argillaceous limestone.
5390 - 5400	Shale - as above, some streaks of grey waxy shale, some aragonite crystals.
5400 - 5410	Shale - medium to dark grey, fissile, micromicaceous, fossiliferous - including fish remains.
5410 - 5450	Shale - dull medium grey, fissile, micromicaceous, bituminous, scattered fish remains.
5450 - 5460	Shale - medium to dark grey, fissile, micromicaceous, bituminous, veinlets of calcium.
5460 - 5470	Shale - medium to dark grey, fissile to blocky, micromicaceous, bituminous, some siliceous streaks, pyritic in part.
5470 - 5480	Shale - as above and shale - dark grey fissile, micromicaceous, some silty streaks.
5480 - 5490	Shale - medium to dark grey, fissile to blocky, micromicaceous, bituminous in part, some streaks of brownish grey very fine crystalline argillaceous dolomite.
5490 - 5500	Shale - medium to dark grey - slightly brownish, fissile to blocky, micromicaceous, bituminous, some dolomitic streaks.
5500 - 5520	Shale - medium to dark grey - slightly brownish, blocky - fissile in part, gritty, micromicaceous, bituminous streaks, scattered pyrite - finely disseminated in part.
5520 - 5560	Shale - medium to dark grey - slightly brownish, fissile to blocky, micromicaceous, gritty, bituminous for the most part, scattered pyrite, calcareous white specks in part, few veinlets of calcite, some scattered dolomitic streaks.

5560 - 5680	Shale - medium to dark grey - slightly brownish, fissile to blocky, micromicaceous, gritty, bituminous, some scattered pyrite.
5680 - 5710	Shale - as above, some thin interbeds of dolomite - dark grey, very fine crystalline, calcitic, argillaceous, dense, some scattered pyrite, some fine fractures filled with calcite.
5710 - 5740	Shale - dark grey - slightly brownish, splintery, micromicaceou bituminous, calcareous in part, some scattered fine fractures filled with calcite, some thin interbedded limestone - dark gre very fine crystalline, argillaceous, dense.
5740 - 5790	Shale - dark grey, slightly brownish, brittle, micromicaceous, bituminous, some scattered pyrite.
5790 - 5810	Shale - dark grey - slightly brownish, splintery, micromicaceou bituminous.
5810 - 5880	Shale - medium to dark grey, fissile, micromicaceous, bituminou in part.
5880 - 5970	Shale - dark grey, fissile to blocky, bituminous, calcareous, micromicaceous, fossiliferous - crinoids, small brachiopods, scattered streaks and specks of white calcite, (crinoid fragments), scattered pyrite, some thin interbeds of dark grey very fine crystalline limestone.
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5970 - 5980	Shale - as above. Limestone - brownish grey - some dark streaks, microcrystalline to very fine crystalline, fragmental, fossiliferous - crinoids, brachiopods, ostracods, bituminous, argillaceous, tight, scattered fractures filled with white calcite.
5980 - 5990	Limestone - light grey - slightly brownish - some dark streaks microcrystalline to very fine crystalline, fragmental, fossiliferous, argillaceous, bituminous, streaky, slight intercrystal line porosity - noneffective, some scattered styolites, scattered fractures filled with white calcite.
5990 - 6000	Limestone - light grey, slightly brownish - some dark streaks, microcrystalline to very fine crystalline - chalky to sucrosic in part, fragmental - organic in part, fossiliferous, crinoids, brachiopods, faviosites, argillaceous and bituminous, scattered fractures filled with white calcite, streaky slight intercrystalline porosity - noneffective, scattered partings of black bituminous shale.
6000 - 6100	Limestone - light to medium dark brownish grey, microcrystal-line to very fine crystalline, very slightly dolomitic in part, fragmental - micritic in part, argillaceous, bituminous, chalky

to sucrosic in part, scattered streaky slight intercrystalline porosity - noneffective, some scattered fractures filled with calcite, scattered partings of black bituminous shale, scattered fossils.

6100 - 6160 Limestone - light to dark brownish grey, microcrystalline to very fine crystalline, argillaceous, bituminous, dense, scattered fractures filled with calcite, some partings of black bituminous shale, scattered fossils.

6160 - 6240 Limestone - light to dark brownish grey, microcrystalline to very fine crystalline, micritic for the most part - fragmental in part, argillaceous, bituminous, dense, scattered fractures filled with calcite, scattered fossils, some dolomitic streaks.

6240 - 6270 Limestone - as above - fine crystalline in part.

6270 - 6330 Limestone - medium to dark brownish grey - some light streaks, microcrystalline to very fine crystalline, micritic for the most part - fragmental in part, slightly dolomitic in part, argillaceous, bituminous, shaly streaks, fractures filled with calcite, scattered fossils.

6330 - 6360 Limestone - as above - streaky dolomitization with slight intercrystalline porosity.

6360 - 6400 Limestone - medium to dark brownish grey - some light streaks, microcrystalline to very fine crystalline, argillaceous, bituminous, micritic - fragmental in part, scattered fractures filled with calcite, scattered fossils.

6400 - 6410 Limestone - as above - streaky dolomitization.

6410 - 6490 Limestone - medium to dark brownish grey - some light streaks, microcrystalline to fine crystalline, micritic - fragmental in part, slightly dolomitic, argillaceous, bituminous, scattere fractures filled with calcite, some partings of black bituminou shale, scattered fossils.

6490 - 6570 Limestone - medium grey - slightly brownish - slight greenish cast in part, microcrystalline to very fine crystalline, micritic, argillaceous, dense, scattered fractures filled with calcite.

6570 - 6620 Limestone - medium to dark brownish grey - some light streaks, microcrystalline to very fine crystalline, micritic to fragmental and pelletoid, slightly dolomitic, argillaceous, slightl silty, bituminous, dense, scattered fossils, ostracods, brachiopods.

6620 - 6680 Limestone - medium to dark brownish grey - some light streaks, microcrystalline to fine crystalline, micritic to fragmental, argillaceous, dolomitic in part, silty, slightly bituminous,

dense, some streaks of grey splintery shale, scattered fractures filled with calcite.

6680 - 6710 Limestone - light to medium brownish grey, microcrystalline to fine crystalline, fragmental, slightly argillaceous and bituminous, stilty, dense, some scattered calcite inclusions and infilling fractures - scattered partings of black bituminous shale.

6710 - 6720 Limestone - dark grey, microcrystalline to very fine crystalline, argillaceous, bituminous, silty, dense, scattered fractures filled with calcite.

6720 - 6750 Limestone - medium to dark grey, microcrystalline to fine crystalline, micritic to fragmental, slightly dolomitic in part, argillaceous, bituminous, slightly silty, dense, scattere fine fractures filled with calcite, scattered fossils - ostracods, brachiopods.

6750 - 6870 Limestone - medium brownish grey - greenish grey in part, cryptocrystalline to very fine crystalline, slightly dolomitic in part, micritic to fragmental, argillaceous, bituminous, slightly silty, dense, scattered fossils, scattered fractures filled with white crystalline calcite, scattered inclusions of calcite crystals, pyritic in part, shaly streaks.

6870 - 6880 Limestone - medium to dark brownish grey - interbedded greenish grey, cryptocrystalline to very fine crystalline, micritic - fragmental in part, argillaceous, bituminous, silty, dense, calcite inclusions, calcite infilling fractures, shaly streaks, scattered fossils - ostracods, brachiopods, pyritic in part.

6880 - 6900 Limestone - medium brownish grey and greenish grey, cryptocrystalline to microcrystalline, micritic, argillaceous, bituminous, silty, dense, fractured - infilled with calcite, shaly partings.

BEAR ROCK 6900

6900 - 6930 Dolomite - brownish grey, microcrystalline, calcitic, silty, argillaceous, dense, scattered hairline and fine fractures filled with white calcite (6920 & 6930 mostly cavings).

6930 - 6940 Dolomite - brownish grey, microcrystalline to very fine and rarely fine crystalline, calcitic, silty, argillaceous, dense, scattered fractures filled with calcite, some scattered inclusions of secondary dolomite crystals.

6940 - 6950 Dolomite - brownish grey, microcrystalline to fine crystalline, slightly calcitic, silty, streaky slight to poor intercrystalline porosity, some interbedded, greenish grey, microcrystallin limestone.

6950 - 6960	Dolomite - brownish grey, microcrystalline to very fine crystalline, calcitic, silty, argillaceous, interbedded limestone, tight.
6960 - 6970	Dolomite - as above - streaky slight intercrystalline porosity.
6970 - 6980	Limestone - very light grey, microcrystalline, dolomitic and white - chalky - brecciated; tight.
6980 - 7000	Dolomite - brownish grey, microcrystalline to very fine crystalline, slightly calcitic and argillaceous, silty, dense.
7000 - 7010	Dolomite - brownish grey - some dark streaks, microcrystalline to fine crystalline, very slightly calcitic, very slightly silty, streaky slight to poor intercrystalline porosity, some thin streaks of smoky chert, some partings of black bituminous shale, some scattered fractures filled with white calcite.
7010 - 7030	Dolomite - brownish grey - some dark streaks, microcrystalline to fine crystalline, very slightly calcitic, streaky - slight to poor intercrystalline porosity.
7030 - 7040	Dolomite - brownish grey, microcrystalline to very fine crystalline, calcitic, tight, some interbedded limestone, slight greenish to brownish grey, microcrystalline, dense.
7040 - 7050	Dolomite - brownish grey, microcrystalline to very fine crystalline, calcitic, streaky - slight intercrystalline porosity, scattered fractures filled with calcite.
7050 - 7070	Dolomite - as above and grey fine crystalline, dense; rare small drusy vugs, some inclusions of smoky chert.
7070 - 7080	Dolomite - as above - poor sample - mostly cavings - trip sample.
7080 - 7120	Dolomite - brownish grey - some dark streaks, microcrystalline to very fine crystalline, calcitic, slightly silty and argillaceous, streaky - noneffective - slight intercrystalline porosity, rare scattered inclusions of milky chert, fine fractures filled with white calcite.
7120 - 7150	Dolomite - as above - slightly darker in color, some thin interbedded limestone - medium dark greenish and brownish grey, cryptocrystalline to microcrystalline, dense, some shaly streaks.
7150 - 7170	Dolomite - brownish grey - some dark streaks - slight greenish

	cast in part, microcrystalline to fine crystalline, calcitic, slightly argillaceous, dense for the most part - some scattered streaky intercrystalline porosity, fine fractures filled with calcite.
7170 - 7190	Dolomite - brownish grey to medium dark brownish grey, microcrystalline to fine crystalline, calcitic, slightly argillaceous, dense, some partings of black bituminous shale, fractured.
7190 - 7200	Dolomite - brownish grey to greenish grey, cryptocrystalline to microcrystalline, calcitic, slightly argillaceous, dense.
7200 - 7210	Dolomite- brownish grey - some dark streaks, microcrystalline to very fine crystalline, calcitic, slightly argillaceous, slightly anhydritic, scattered fractures with calcite.
7210 - 7230	Dolomite - as above. Limestone - greenish grey, cryptocrystalline to microcrystalline, argillaceous, silty, dense. Anhydrite - grey microcrystalline.
7230 - 7250	Dolomite - brownish grey - some dark streaks, microcrystalline to very fine crystalline, argillaceous, dense. Anhydrite - grey, microcrystalline.
7250 - 7270	Dolomite - medium brownish grey, microcrystalline to very fine crystalline, argillaceous, dense, scattered fractures with calcite.
7270 - 7290	Dolomite - light to medium brownish grey, microcrystalline to very fine crystalline, argillaceous in part, dense, scattered fractures, thin interbeds of grey microcrystalline anhydrite.
7290 - 7330	Dolomite - light to medium brownish grey, microcrystalline to very fine crystalline, argillaceous in part, dense, fractures. Anhydrite - grey microcrystalline.
7330 - 7340	Dolomite - medium grey - slightly brownish, very fine to fine crystalline. Anhydrite - grey, microcrystalline.
7340 - 7360	Anhydrite - grey, microcrystalline, streaks of dolomite.
7360 - 7370	Anhydrite - as above. Dolomite - medium dark brownish grey, microcrystalline to very fine crystalline, argillaceous, dense.
7370 - 7400	Anhydrite - as above - streaks of dolomite.
7400 - 7460	Anhydrite - grey, microcrystalline to very fine crystalline.

Dolomite - grey to medium dark grey - slightly brownish, microcrystalline to very fine crystalline, argillaceous, dense, scattered fractures filled with white secondary anhydrite, some partings of black bituminous shale.

7460 - 7500 Anhydrite - grey, brownish in part, microcrystalline to very fine crystalline, some streaks and thin interbeds of dolomite as above,

7500 - 7510 Anhydrite - grey - brownish in part, microcrystalline to very fine crystalline.
Dolomite - medium brownish grey, microcrystalline to very fine crystalline, argillaceous, dense.

7510 - 7530 Dolomite - grey to medium dark grey - brownish, microcrystalline to very fine crystalline, argillaceous, dense, scattered blebs and thin interbeds of anhydrite, scattered fractures filled with anhydrite.

7530 - 7610 Dolomite - as above
Anhydrite - as above

7610 - 7630 Dolomite - medium brownish grey, microcrystalline to very fine crystalline, argillaceous dense, scattered blebs and thin interbeds of anhydrite.

7630 - 7650 Dolomite - grey to medium dark grey - brownish, microcrystalline to very fine crystalline, argillaceous, dense, anhydritic.
Anhydrite - brownish grey, microcrystalline to very fine crystalline.

7650 - 7660 Dolomite - brownish grey - some dark streaks, microcrystalline to fine crystalline, some argillaceous streaks, streaky - noneffective - slight intercrystalline porosity.
Anhydrite - brownish grey, microcrystalline to very fine crystalline.

7660 - 7680 Dolomite - light brownish grey - some dark streaks, microcrystalline to very fine crystalline, silty, slightly argillaceous in part, streaky slight intercrystalline porosity - noneffective, some thin streaks and interbeds of limestone - medium dark grey, microcrystalline to very fine crystalline, argillaceous, silty dense.

7680 - 7690 Dolomite - medium brownish grey - some light streaks, very fine crystalline, argillaceous, silty, dense, some interbedded medium dark grey, microcrystalline to very fine crystalline dense limestone - silty and argillaceous, some partings of black bituminous shale.

7690 - 7700	Dolomite - as above Anhydrite - brownish grey, microcrystalline.
7700 - 7710	Dolomite - buff to light brown, very finely granular, rare pin point vugs, bitumen and pyrite; some medium brown argillaceous slightly anhydritic very fine microcrystalline dolomite.
7710 - 7720	Dolomite - dark brown, very argillaceous, micro-crystalline, dense.
7720 - 7740	Dolomite - as above, some dark grey to dark brown grey; with brown and grey anhydrite and shale increasing towards base.
7740 - 7750	As above, with trace green grey argillaceous anhydritic micro-granular dolomite
7750 - 7760	Dolomite - dark brown, argillaceous, anhydritic, microcrystalline, some brown and grey anhydrite.
7760 - 7770	Anhydrite - brown and grey, with brown and buff very finely granular and crystalline dolomite (in part earthy), rare bitumen.
7770 - 7780	Dolomite - buff brown and brown grey, finely granular and very finely crystalline; rare pin point vugs and pyrite, trace green grey dolomite.
7780 - 7790	Dolomite - as above, some dark brown, some light grey and brown anhydrite.
7790 - 7800	Dolomite - brown to dark brown grey, finely crystal-line, vitreous luster, trace anhydrite, bitumen and green-grey dolomite.
7800 - 7820	Dolomite - buff, brown and dark brown, in part, argillaceous, very fine to microcrystalline and granular, rare pin point vugs and pyrite and white gypsum veins, some light grey and brown anhydrite decreasing towards base.
7820 - 7830	Dolomite - brown, anhydritic, microcrystalline, trace brown chert.
7830 - 7840	Dolomite - brown grey - medium grey, argillaceous, anhydritic, microcryptocrystalline, some medium grey chert.
7840 - 7850	Dolomite - buff and brown, microgranular and crystalline, some blue grey and brown anhydritic dolomite.

7850 - 7880	Dolomite - brown and brown grey, microcrystalline, trace pin point vugs, with brown and grey anhydrite (40% at base).
7880 - 7890	Dolomite - brown to very dark brown grey, argillaceous, very fine - microcrystalline, with anhydrite as above.
7890 - 7910	Dolomite - very dark grey, very argillaceous, micro-crypto crystalline, much anhydrite, as above, rare pyrite and white gypsum veins.
7910 - 7920	Dolomite - as above, some white chalky, trace gypsum, some anhydrite and shale.
7920 - 7930	Dolomite - brown and brown grey, argillaceous, micro-granular and crystalline.
7930 - 7940	Dolomite - brown to dark brown grey, argillaceous, micro-crypto crystalline, rare pyrite.
7940 - 7950	Dolomite - as above, much dark grey and black shale and brown and grey anhydrite.
7950 - 7990	Dolomite - buff, argillaceous, anhydritic (up to 20% at base), very finely granular and crystalline, some blue-grey micro-granular, trace silt and pyrite, some black shale at base.
7990 - 8000	Dolomite - buff and brown, very finely granular to micro-crystalline, some blue grey dolomite as above, some dark shale partings.
8000 - 8010	Dolomite - brown and grey,anhydritic, micro-crypto crystalline, with light grey anhydrite and shale streaks.
8010 - 8020	Dolomite - as above, with much light grey and brown dolomitic anhydrite.
8020 - 8030	Dolomite - light grey, slightly anhydritic and silty, argillaceous, some chalky, finely granular, some blue grey dolomite as above, trace bitumen and anhydrite, scattered pin point vugs, <u>trace porosity</u>.
8030 - 8040	Dolomite - very slightly silty and anhydritic, finely granular, trace light brown and grey anhydrite and blue grey pyritic dolomite, some black bitumitic shale.
8040 - 8050	Dolomite - light grey, light buff grey, slightly silty and anhydritic, very fine to finely granular, some white gypsum, trace pyrite and pyro-bitumen and shale.

8050 - 8060	Dolomite - cream, slightly argillaceous, some chalky to earthy, very fine to micro-crystalline, trace fossil.
8060 - 8070	Dolomite - light grey, cream very finely granular and crystalline, some chalky and slightly argillaceous, trace anhydrite and pyrite.
8070 - 8080	Dolomite - light grey, grey, in part silty and slightly argillaceous, fine to micro-granular and crystalline, trace bitumen, some coarse clear dolomite crystals, fair inter-granular porosity.
8080 - 8100	Dolomite - buff, grey, very fine - micro crystalline, some anhydrite (caved?)
8100 - 8110	Dolomite - as above, with brown finely granular dolomite with scattered pin point vugs and good intergranular porosity.
8110 - 8120	Dolomite - brown to dark brown, very fine to micro crystalline, some pin point vugs and dark brown grey shale, trace pyrite.
8120 - 8130	Dolomite - as above, some finely granular, in part, argillaceous.
8130 - 8140	Dolomite - light grey to brown, very finely crystalline and granular to micro crystalline, some pin point vugs, trace porosity, some white dolomite rhombs.
8140 - 8150	Dolomite - buff, earthy, very finely granular and dolomite, dark brown grey, argillaceous, very fine - micro crystalline, trace black platy shale and gypsum.
8150 - 8160	Dolomite - as above, with brown finely crystalline dolomite with pin point vugs and vitreous luster.
8160 - 8170	Dolomite - buff, finely crystalline and granular, chalky, rare pin point vugs.
8170 - 8190	Dolomite - buff, medium and brown grey, in part argillaceous, very fine to microcrystalline, some earthy to very finely granular, some dark shale.
8190 - 8210	Dolomite - medium grey, brown grey, argillaceous, micro-crypto crystalline, some white dolomite crystals.
8210 - 8220	Dolomite - brown - light brown, slightly anhydritic, very fine micro crystalline.

8220 - 8240	Dolomite - medium brown and grey, argillaceous, very fine - microcrystalline.
8240 - 8250	Dolomite - dark brown, very argillaceous, micro-crystalline, trace dark Shale
8250 - 8260	Dolomite - as above; with much grey argillaceous dolomite
8260 - 8270	Dolomite - as above; with light blue grey very argillaceous dolomite, some black bitumitic Shale
8270 - 8280	Dolomite - very dark grey and brown grey, very argillaceous, bitumitic, very fine to micro-crystalline, some coarse white dolomite rhombs
8280 - 8290	As above; some pyro-bitumen and black bitumitic Shale, trace pyrite, some brown finely granular dolomite
8290 - 8310	Dolomite - very dark grey to very dark brown grey, very argillaceous, bitumitic, very fine - micro-crystalline, some brown very finely granular, slightly argillaceous dolomite, some coarse white dolomite rhombs and veins, trace porosity, slightly anhydritic at base
8310 - 8320	Dolomite - buff brown, slightly argillaceous, very finely granular, trace porosity and as above
8320 - 8330	Dolomite - medium grey, argillaceous, micro-crystalline
8330 - 8340	Dolomite - dark brown grey, very argillaceous, micro-crystalline, rare pyrite, some dolomite crystals and veins, trace green shale
8340 - 8350	Dolomite - medium brown grey, argillaceous, very fine micro-crystalline, some white dolomite crystals
8350 - 8370	Dolomite - medium brown and dark brown grey, argillaceous, very fine micro-crystalline, trace black bitumitic shale
8370 - 8390	Dolomite - as above, very slightly anhydritic
8390 - 8420	Dolomite - medium to dark brown grey, very argillaceous, micro-crystalline, some bitumen, fossil (brach?) at base
8420 - 8430	Dolomite - brown and dark brown grey, argillaceous, micro-crystalline

8430 - 8440	Dolomite - grey and brown, very fine to finely granular and crystalline, rare bitumen and pin point vugs, trace porosity
8440 - 8470	Dolomite - brown to grey, micro-crystalline, with grey argillaceous siliceous dolomite, trace green shale
8470 - 8480	Dolomite - as above, with much dark grey and brown chert
8480 - 8490	As above, trace chalky earthy buff dolomite, rare fossil (brachiopod)
8490 - 8500	Dolomite - brown and grey, argillaceous, in part slightly siliceous, micro-crystalline
8500 - 8520	Dolomite - brown - medium brown grey, argillaceous in part, siliceous, micro-crystalline, scattered chert
8520 - 8540	Dolomite - light brown and dark brown grey, argillaceous, siliceous, cherty, micro-cryptocrystalline, some black bitumitic shale
8540 - 8550	Dolomite - buff, earthy to very fine granular, trace bitumen, some anhydrite, trace porosity, and as above
8550 - 8580	Dolomite - very dark brown and brown grey, very argillaceous, in part siliceous, micro-cryptocrystalline, platy, some buff earthy dolomite, trace fossil debris, rare pyrite, anhydrite and gypsum
8580 - 8590	Dolomite - buff brown and medium brown, argillaceous, micro granular and crystalline, trace fossil
8590 - 8610	Dolomite - buff brown, in part bitumitic, finely granular and earthy, trace fossil debris, poor porosity, Dolomite - medium to dark brown and brown grey, very argillaceous, micro-crystalline. Lighter colored towards base
8610 - 8620	Dolomite - dark brown, dark grey and dark brown grey, argillaceous, very fine - micro-crystalline, rare pin point vugs
8620 - 8630	Dolomite - dark grey and brown grey, argillaceous, bitumitic, fine to very finely granular and crystalline
8630 - 8640	Dolomite - dark grey and dark brown grey, very argillaceous, siliceous, micro-crystalline, some chert mottled dark and light grey

8640 - 8650	Dolomite - medium to dark grey, very argillaceous, slightly anhydritic, micro-crystalline, some chalky type, sulfur odor when heated to dry
8650 - 8660	As above, more anhydritic and partly siliceous, rare pyrite, some coarse dolomite rhombs and dark chert. Sulfur odor
8660 - 8670	Dolomite - dark brown and grey, very argillaceous and siliceous, micro-crystalline, some green grey argillaceous anhydritic very finely granular chalky dolomite
8670 - 8680	Dolomite - medium grey, very argillaceous, micro-crystalline, some chert and light grey crystalline anhydrite
8680 - 8690	Dolomite - dark grey, argillaceous, siliceous, micro-crystalline, much dark chert, trace green shale
8690 - 8710	Dolomite - dark grey and dark brown grey, argillaceous, micro-crystalline, trace brown finely granular dolomite, white crystalline anhydrite, some chalky and some fossil debris, some gypsum crystals
8710 - 8720	Dolomite - dark brown, dark brown grey, very argillaceous. micro-crystalline
8720 - 8730	Dolomite - brown to medium brown, slightly argillaceous, siliceous, very finely crystalline and granular, some white anhydrite
8730 - 8740	Dolomite - medium - dark grey, very argillaceous, siliceous, micro-crystalline, and dolomite, brown, calcareous, very finely crystalline, some dark grey chert and black-dark grey hard shale, some anhydrite
8740 - 8750	Dolomite - brown, in part slightly calcareous, argillaceous, very fine to crypto-crystalline, very rare bitumen flakes, some anhydrite and dolomite, light blue grey, siliceous, anhydritic, crypto-crystalline
875 - 60	Dolomite - brown as above, non-calcareous and dolomite, blue grey, micro-crystalline, argillaceous, anhydritic, rare pyrite and bitumen specks, some white anhydrite
8760 - 8770	As above, blue grey dolomite becoming silty, some salmon chalky dolomite, rare floating sand grains, some brown and black shale, some pelletoidal

8770 - 8780	Dolomite - dark brown and dark brown grey, micro-crystalline, very argillaceous, some white dolomite crystals and veinlets
8780 - 8790	Dolomite - medium dark grey, argillaceous, micro-crystalline, trace pink chalk
8790 - 8810	Dolomite - medium dark grey, very argillaceous, slightly anhydritic, siliceous, micro-crystalline, in part, cherty, some dark grey shale streaks
8810 - 8820	Dolomite - as above, some light grey crystalline and chalky anhydrite, rare pyrite
8820 - 8830	Dolomite - and anhydrite, as above, with some grey and brown very finely crystalline dolomite, some black bituminous shale
8830 - 8840	Dolomite - as above, some buff earthy to chalky dolomite, trace light green shale, trace green grey argillaceous crypto-crystalline dolomite
8840 - 8850	Dolomite - green grey, argillaceous, micro-crypto crystalline and dolomite, brown and dark grey, argillaceous, micro-crystalline, rare pyrite and pale green shale streaks
8850 - 8860	Dolomite - dark brown grey and dark brown, very argillaceous, micro-crypto crystalline, some gypsum veins, some white anhydrite
8860 - 8870	Dolomite - dark grey, dark brown grey, argillaceous, micro-crystalline, some buff earthy dolomite, much grey anhydrite
8870 - 8880	As above, some grey silty dolomite, trace green shale and dark grey shale, some pyrite, much light grey and some yellowish anhydrite, some buff earthy dolomite, some white dolomite rhombs
8880 - 8890	Dolomite - dark grey, dark brown grey, very argillaceous, micro-crystalline, much light grey - yellow grey anhydrite (20%), some light blue grey finely sandy to silty finely crystalline dolomite
8890 - 8900	Anhydrite - grey to dark grey and medium grey, crystalline and massive, some dark dolomite, as above
8900 - 8910	Anhydrite - grey to light yellow brown, some light grey silty and very fine grained arenaceous very finely crystalline dolomite, (in places almost a sandstone), trace pale green shale

8910 - 8920	Sandstone - (in places a sandy dolomite), light grey to grey, blue grey, siliceous, very dolomitic, silty to very fine grained, hard, trace anhydrite
8920 - 8930	Dolomite - green grey, brown and medium grey, argillaceous, silty and very finely sandy, some dark brown and grey argillaceous micro-crystalline dolomite, some grey anhydrite (15%)
8930 - 8940	As above, less silty and sandy, darker grey and brown, anhydrite (20%), trace green shale, pyrite and gypsum veins, some black bituminous shale
8940 - 8950	Dolomite - dark grey, argillaceous, mottled with grey anhydrite (25%), micro-crystalline, dense and dolomite, buff, argillaceous, very finely granular to chalky (washes out in cleaning)
8950 - 8960	Dolomite - dark brown grey and dark grey, very argillaceous, in part siliceous, micro-crystalline, dense, much buff chalky dolomite as above, some sand and silt streaks, trace anhydrite, poor intergranular porosity
8960 - 8970	Anhydrite - buff chalky as above, and dolomite, light-dark grey, argillaceous, silty - very finely sandy, micro-crystalline, dense
8970 - 8980	Anhydrite - grey and yellow grey, some loose sand grains and sandy streaks, and buff dolomite, as above, some black bituminous shale
8980 - 9000	As above, less sandy and silty and less anhydrite, more black shale, trace pyrite
9000 - 9010	Dolomite - light grey, finely granular, trace intergranular porosity, dark grey to black bituminous shale, some anhydrite, vitreous luster
9010 - 9020	Dolomite - brown, brown grey and green grey, argillaceous, micro-crystalline, some silty - very finely sandy, some black shale and anhydrite
9020 - 9030	Dolomite - dark brown, argillaceous, crypto-crystalline, much shale, as above, some blue grey argillaceous, silty dolomite
9030 - 9050	Dolomite - light grey, light blue grey and darker blue grey, siliceous, silty sandy (very fine to fine grained), in part more a sandstone than dolomite. Trace pyrite, some black bituminous shale.

9050 - 9060	Generally as above, less silty and sandy, some anhydrite and darker brown micro-crypto crystalline dolomite. Some light grey finely granular dolomite with some porosity (from 9000 - 9010).
9060 - 9070	As above, more black bitumitic shale.
9070 - 9120	Dolomite - slightly greenish and brownish grey, micro-crystalline to very fine crystalline, abundant silty and sandy streaks - frosted - very fine to medium - rounded quartz grains, dense, some thin interbeds of brownish grey anhydrite, scattered partings of black bituminous shale.
9120 - 9130	Dolomite - silty and sandy as above - some coarse quartz grains, trace of partings of apple green shale. Some interbedded anhydrite.
9130 - 9160	Dolomite - greyish brown, micro-crystalline, dense and slight greenish and brownish grey, micro-crystalline to very fine crystalline, silty, sandy - very fine to coarse quartz grains - trace of glauconite, some scattered fine fractures filled with anhydrite, some thin interbeds of brownish grey micro-crystalline anhydrite.
9160 - 9190	Dolomite - slightly greenish and brownish grey, microcrystalline to very fine crystalline, silty and sandy streaks, dense some thin streaks of greenish grey shale, some interbedded anhydrite.
9190 - 9200	Dolomite - grey - slight greenish cast in part - slight brownish cast in part, microcrystalline to very fine crystalline, silty and sandy streaks - trace of glauconite, some interbedded anhydrite - very light grey to brownish grey, microcrystalline to very fine crystalline.
9200 - 9240	Dolomite - as above; dolomite - greyish brown, micro-crystalline, silty, dense, some interbedded anhydrite, trace of gypsum, some streaks of greenish grey shale.
9240 - 9250	Dolomite - grey - greenish to brownish cast in part, micro-crystalline to very fine crystalline, very silty and sandy - grading to a dolomitic sandstone in part - trace of glauconite, dense, streaks of greenish grey shale, some interbedded brownish grey anhydrite.
9250 - 9270	Dolomite - as above; dolomite - medium dark greenish grey, crypto-crystalline to micro-crystalline, silty, dense, trace of oolitic limestone, some streaks of anhydrite, some partings of greenish grey shale and dark grey bituminous shale.

9270 - 9280	Dolomite - grey - brownish to greenish cast, micro-crystalline to very fine crystalline, some silty and sandy streaks, dense, interbedded shale - medium to dark grey - greenish in part, micro-micaceous, bituminous in part, some thin interbeds of anhydrite.
9280 - 9300	Dolomite - as above, some streaks of dolomite - greenish to brownish grey, crypto-crystalline to micro-crystalline, silty, dense, scattered blebs and streaks of anhydrite.
9300 - 9310	Dolomite - greenish grey, micro-crystalline to very fine crystalline, very silty and sandy - grading to a dolomitic sandstone. Shaly, slightly anhydritic.
9310 - 9320	Dolomite - light greenish grey and greyish brown, micro-crystalline to very fine crystalline, silty and sandy streaks, some streaks of dark grey shale - trace of greenish grey shale, some thin interbeds of anhydrite, some scattered fractures filled with white secondary dolomite.
9320 - 9360	Dolomite - greenish grey - light in part and greyish brown, micro-crystalline to very fine crystalline, silty and sandy - grading to a dolomitic sandstone in part dense, streaks of dark grey shale - bituminous in part, thin interbeds of anhydrite.
9360 - 9390	Dolomite - greenish grey greyish brown, micro-crystalline to very fine crystalline, silty and sandy streaks, dense, greenish grey, shale streaks, anhydrite - brownish grey, micro-crystalline to very fine crystalline.
9390 - 9400	Dolomite - greenish grey, micro-crystalline to very fine crystalline, silty and sandy streaks, some streaks of greenish grey chert; dolomite - medium to dark brownish grey, micro-crystalline to very fine crystalline - rare fine crystalline, argillaceous, silty dense, some streaks of greenish grey shale, trace of greenish grey rounded chert pebbles (caving?), scattered blebs of anhydrite, some scattered fractures filled with anhydrite.
9400 - 9410	Dolomite - medium to dark grey - some light streaks, micro-crystalline to fine crystalline, silty and sandy streaks, argillaceous, dense, a few scattered crinoid stems, some stylolites, some blebs and streaks of anhydrite , some scattered fractures filled with secondary dolomite.
9410 - 9430	Dolomite - greenish grey - some brownish streaks, micro-crystalline to very fine crystalline, silty and sandy streaks, shaly, dense, streaks and blebs of anhydrite.

9430 - 9460	Dolomite - as above - some streaks of greyish brown crypto-crystalline to micro-crystalline dense dolomite, some streaks of greenish grey shale, anhydrite.
9460 - 9470	Dolomite - greenish grey, micro-crystalline to very fine crystalline, silty and sandy streaks, dense, anhydrite.
9470 - 9480	Dolomite - as above; dolomite - light greyish brown, crypto-crystalline to micro-crystalline, dense.
9480 - 9490	Dolomite - light greyish brown - some greenish streaks, micro-crystalline to very fine crystalline - very dense.
9490 - 9500	Dolomite - greenish and brownish grey, micro-crystalline to very fine crystalline, silty and sandy streaks, some partings of dark grey shale, dense - some very dense streaks, anhydrite.
9500 - 9510	Dolomite - grey to dark grey - brownish for the most part - greenish in part, micro-crystalline to very fine crystalline, some silty and sandy streaks, argillaceous in part, dense, anhydrite.
9510 - 9550	Dolomite - brownish to greenish grey, crypto-crystalline to very fine crystalline, some silty and sandy streaks, dense, some partings of dark grey shale, anhydrite
9550 - 9580	Dolomite - grey to medium dark grey - greenish to brownish cast, microcrystalline to very fine crystalline, silty and sandy streaks, scattered blebs of anhydrite, and few scattered fractures filled with secondary dolomite and anhydrite, some scattered partings of black bituminous shale, scattered crinoids.
9580 - 9600	Dolomite - greenish to brownish grey - some dark streaks, crypto-crystalline to very fine crystalline, silty and sandy streaks, dense, some scattered fractures filled with anhydrite, some scattered streaks and blebs of anhydrite, a few scattered partings of black bituminous shale.
9600 - 9670	Dolomite - greenish to brownish medium dark grey - some light streaks, micro-crystalline to very fine crystalline, silty, some sandy streaks, dense, some scattered fractures filled with anhydrite, scattered blebs of anhydrite, scattered crinoid stems, some partings of greenish grey and dark grey shale - bituminous in part.

F.T.D. 9670'

SECTION III ENGINEERING SUMMARY

DRILL STEM TESTS

No. 1	15/3/72	6900'-7079'	Bottom Hole Dev.	Bear Rock (Mis-run)
No. 2	18/3/72	6905'-7080'	Dual Straddle	Bear Rock
No. 3	4/4/72	7640'-8160'	Dual Straddle	Bear Rock (Mis-run)
No. 4	5/4/72	8250'-8500'	Dual Straddle	Bear Rock
No. 5	7 & 8/4/72	3608'-3800'	Bottom Hole Cret. (plug back)	Upper Sand

DRILL STEM TEST DATA SHEET

TEST NO. 1

DATE 3/15/72

WELL NAME Candel DECLRI et al Stewart B-30 LOCATION Unit B, Sec. 30, Grid. 64-20-125 15

TEST DATA:

INTERVAL 6900'-7079' SUB-SEA -5211'to-5390' FORMATION Bear Rock

BLOW: (Describe) Good airblow, decreasing slowly, dead in 40 minutes on main flow

Gas to Surface ..... Mins. Max. Rate (Measure) ..... (Est.) ..... Mcf/day

Describe Gas: Sweet ..... Sour ..... Was Flare Lit .....

Describe Build-up, etc. .....

FLUID TO SURFACE: (Record Times & Describe Fluid) .....

RECOVERY: (Record amount & whether Gassy, Salty, Fresh, Sulphurous, Etc.)

Mud: 45' drilling mud

Water: .....

Oil: .....

Remarks: (Special Samples, Sampling Points, Samples Retained, Etc.) .....

RECORD OF FIELD PRESSURES AND TIMES:

Started in Hole			Out of Hole		
Initial Hydrostatic			Pressure	3378.1	psi.
Valve Open (Initial)	7	Mins.	Pressure		psi.
Initial Shut-in	30	Mins.	Pressure		psi.
Valve Open	90	Mins.	Pressure (initial)	(final)	psi.
Final Shut-in	120	Mins.	Pressure		psi.
Final Hydrostatic			Pressure	3378.1	psi.

Temperature 146°F

Remarks Charts indicate plugged tool

HOLE DATA:

Hole Size & Depth 8 3/4" x 7079' Mud: Wt. 9.2 Visc. 85 W.L. 8.0

TESTING EQUIPMENT:

Testing Co. B-J Service Ticket No. .....

Packer(s): No 2 Size 7 1/2" Choke (B.H.) 1/2"

Drill Pipe Size: 4 1/2 F.H. Drill Collars: Amit 538' I.D. 2 7/8

Recorders: (No. & Type) 3

Special Equipment: (Underline) MFE Tool, Jars, Safety Joint, Pump Out, Sub, Straddle By-Pass, Etc. .....

REMARKS ON TEST: (Misrun, Disposition of Samples - Charts, Hole Problems, etc.)

Misrun - plugged tool

COMPANY REPRESENTATIVE D. R. Nelson

DRILL STEM TEST DATA SHEET

TEST NO. 2

DATE 3/18/72

WELL NAME Candel DECLRI et al Stewart B-30 LOCATION Unit B, Sec. 30, Grid 64-20-125-15

TEST DATA:

INTERVAL 6905-7080 SUB-SEA -5216' to -5389' FORMATION Bear Rock

BLOW: (Describe) Weak air blow increasing slightly

Gas to Surface ..... Mins. Max. Rate (Measure) ..... (Est.) ..... Mcf/day

Describe Gas: Sweet ..... Sour ..... Was Flare Lit .....

Describe Build-up, etc. .....

FLUID TO SURFACE: (Record Times & Describe Fluid) .....

RECOVERY: (Record amount & whether Gassy, Salty, Fresh, Sulphurous, Etc.)

Mud: 270' water cut drilling mud

Water: 540' muddy water

Oil: .....

Remarks: (Special Samples, Sampling Points, Samples Retained, Etc.)

Samples from 810', 540' & top of tool

RECORD OF FIELD PRESSURES AND TIMES:

Started in Hole			Out of Hole		
Initial Hydrostatic			Pressure	3325.1	psi.
Valve Open (Initial)	10	Mins.	Pressure		psi.
Initial Shut-in	33	Mins.	Pressure	2563.2	psi.
Valve Open	120	Mins.	Pressure (initial) 131.3 psi (final)	396.6	psi.
Final Shut-in	236	Mins.	Pressure	2563.2	psi.
Final Hydrostatic			Pressure	3308.5	psi.

Temperature 144°F

Remarks .....

HOLE DATA:

Hole Size & Depth 8 3/4" x 7384' Mud: Wt. 9.4 Visc. ..... W.L. .....

TESTING EQUIPMENT:

Testing Co. B-J Service Ticket No. .....

Packer(s): No 4 Size 7 1/2" Choke (B.H.) 3/4"

Drill Pipe Size: 4 1/2" F.H. Drill Collars: Amit 628' I.D. 2 7/8

Recorders: (No. & Type) 3

Special Equipment: (Underline) MFE Tool, Jars, Safety Joint, Pump Out, Sub, Straddle By-Pass, Etc. .....

REMARKS ON TEST: (Misrun, Disposition of Samples - Charts, Hole Problems, etc.)

Good test

COMPANY REPRESENTATIVE D. R. Nelson

DRILL STEM TEST DATA SHEET

TEST NO. 3

DATE 4/4/72

WELL NAME Candel DECLRI et al Stewart B-30 LOCATION Unit B, Sec. 30, Grid. 64-20-125-

TEST DATA:

INTERVAL 7640' - 8160' SUB-SEA -5951' to -6471 FORMATION Bear Rock

BLOW: (Describe) Very weak air blow - dead in 40 minutes on main flow

Gas to Surface ..... Mins. Max. Rate (Measure) ..... (Est.) ..... Mcf/day

Describe Gas: Sweet ..... Sour ..... Was Flare Lit .....

Describe Build-up, etc. .....

FLUID TO SURFACE: (Record Times & Describe Fluid) .....

RECOVERY: (Record amount & whether Gassy, Salty, Fresh, Sulphurous, Etc.)

Mud: 30' drilling mud

Water: .....

Oil: .....

Remarks: (Special Samples, Sampling Points, Samples Retained, Etc.) .....

RECORD OF FIELD PRESSURES AND TIMES:

Started in Hole			Out of Hole		
Initial Hydrostatic			Pressure	3674.9	psi.
Valve Open (Initial)	10	Mins.	Pressure		psi.
Initial Shut-in	30	Mins.	Pressure		psi.
Valve Open	120	Mins.	Pressure (initial)	(final)	psi.
Final Shut-in	240	Mins.	Pressure		psi.
Final Hydrostatic			Pressure	3674.9	psi.
Temperature	164°F				
Remarks					

HOLE DATA:

Hole Size & Depth ..... Mud: Wt. 9.5 Visc. 130 W.L. .....

TESTING EQUIPMENT:

Testing Co. B-J Service Ticket No. .....

Packer(s): No 4 Size 7 1/2" Choke (B.H.) 3/4"

Drill Pipe Size: 4.5 E.H. Drill Collars: Amit 568' I.D. 2. 7/8

Recorders: (No. & Type) 3

Special Equipment: (Underline) MFE Tool, Jars, Safety Joint, Pump Out, Sub, Straddle By-Pass, Etc. .....

REMARKS ON TEST: (Misrun, Disposition of Samples - Charts, Hole Problems, etc.)

Misrun - plugged tool

COMPANY REPRESENTATIVE D. R. Nelson

DRILL STEM TEST DATA SHEET

TEST NO. 4

DATE 5/4/72

WELL NAME Candel DECLRI et al Stewart B-30 LOCATION Unit B, Sec.30, Grid. 64-20-125-15

TEST DATA:

INTERVAL 8250' - 8500' SUB-SEA -6561' to -6811' FORMATION Bear Rock

BLOW: (Describe) Strong blow, slowly decreasing until dead in 110 minutes on main flow

Gas to Surface ..... Mins. Max. Rate (Measure) ..... (Est.) ..... Mcf/day

Describe Gas: Sweet ..... Sour ..... Was Flare Lit .....

Describe Build-up, etc. .....

FLUID TO SURFACE: (Record Times & Describe Fluid) .....

RECOVERY: (Record amount & whether Gassy, Salty, Fresh, Sulphurous, Etc.)

Mud: .....

Water: 940' salt water

Oil: .....

Remarks: (Special Samples, Sampling Points, Samples Retained, Etc.) .....

RECORD OF FIELD PRESSURES AND TIMES:

Started in Hole			Out of Hole		
Initial Hydrostatic			Pressure	3986.2	psi.
Valve Open (Initial)	8 Mins.		Pressure		psi.
Initial Shut-in	37 Mins.		Pressure	3158.4	psi.
Valve Open	118 Mins.		Pressure (initial)	514.0 psi (final) 3157.0	psi.
Final Shut-in	157 Mins.		Pressure	3161.2	psi.
Final Hydrostatic			Pressure	-	psi.
Temperature	164.0°F				
Remarks					

HOLE DATA:

Hole Size & Depth 8 3/4" x 9671' Mud: Wt. 9.0 Visc. 45 W.L. .....

TESTING EQUIPMENT:

Testing Co. B-J Service Ticket No. .....

Packer(s): No 4 Size 7 1/2" Choke (B.H.) 3/4"

Drill Pipe Size: 4 1/2 E.H. Drill Collars: Amit 568' I.D. 2 7/8"

Recorders: (No. & Type) 3

Special Equipment: (Underline) MFE Tool, Jars, Safety Joint, Pump Out, Sub, Straddle By-Pass, Etc. .....

REMARKS ON TEST: (Misrun, Disposition of Samples - Charts, Hole Problems, etc.)

Good test

COMPANY REPRESENTATIVE P. Brown

DRILL STEM TEST DATA SHEET

TEST NO. 5

DATE 7 & 8/4/72

WELL NAME Candel DECLRI et al Stewart B-30 LOCATION Unit B, Sec. 30, Grid 64-20-125-1

TEST DATA:

INTERVAL 3608' - 3800' SUB-SEA -1919' to -2111' FORMATION Cretaceous U. Sand.

BLOW: (Describe) Strong blow - slowly decreasing until dead in 65 minutes on main flow

Gas to Surface ..... Mins. Max. Rate (Measure) ..... (Est.) ..... Mcf/day

Describe Gas: Sweet ..... Sour ..... Was Flare Lit .....

Describe Build-up, etc. .....

FLUID TO SURFACE: (Record Times & Describe Fluid) .....

RECOVERY: (Record amount & whether Gassy, Salty, Fresh, Sulphurous, Etc.)

Mud: 620' slightly gas cut drilling mud & water

Water: 1660' slightly gas cut water

Oil: .....

Remarks: (Special Samples, Sampling Points, Samples Retained, Etc.) .....

RECORD OF FIELD PRESSURES AND TIMES:

Started in Hole			Out of Hole			
Initial Hydrostatic			Pressure		1691.8	psi.
Valve Open (Initial)	5	Mins.	Pressure			psi.
Initial Shut-in	30	Mins.	Pressure		1094.5	psi.
Valve Open	234	Mins.	Pressure (initial)	736.0 psi	(final) 1093.2	psi.
Final Shut-in	129	Mins.	Pressure		1095.9	psi.
Final Hydrostatic			Pressure		1691.8	psi.
Temperature	118°F					
Remarks						

HOLE DATA:

Hole Size & Depth 8¾" X 3800' Mud: Wt. 9.0 Visc. 32 W.L. .....

TESTING EQUIPMENT:

Testing Co. B-J Service Ticket No. .....

Packer(s): No 4 Size 7 1/2 Choke (B.H.) 3/4"

Drill Pipe Size: 4 1/2" E.H. Drill Collars: Amit 361' I.D. 2 7/8"

Recorders: (No. & Type) 3

Special Equipment: (Underline) MFE Tool, Jars, Safety Joint, Pump Out, Sub, Straddle By-Pass, Etc. .....

REMARKS ON TEST: (Misrun, Disposition of Samples - Charts, Hole Problems, etc.)

Good test

COMPANY REPRESENTATIVE P. Brown

CASING REPORT

Well Candel DECLRI et al Stewart B-30 Date February 21/72

Type of Casing String: (surface) (intermediate) (production) (liner) (other) Surface

Drilling Contractor Jennings International Drilling, Rig #9

PIPE DATA

Make of Casing

Type: (seamless) (welded) Size No. of Joints 26

Weight 36 # Grade K-55 Range Threads ST&C

Couplings: (short) (long) Minimum I.D. 9 5/8" Maximum O.D.

Casing Shoe: make type depth ft.

Cementing Collar: make type depth ft.

Centralizers: No. Make and Type

Depths

Scratchers: No. Make and Type

Depths

Welding: (electric) (acetylene) No. of Collars? Casing Shoe?

Total amount casing run	1018' ft.	Kelly Bushing elevation	1689' ft.
Amount pipe above K.B.	2' ft.	K.B. to Rotary Table	ft.
Depth Casing Shoe landed	1016 ft.	R.T. to Derrick Floor	ft.
Top of casing below K.B.	ft.	D.F. to Ground Level	ft.
Amount of casing in hole	ft.	Ground Level elevation	1675' ft.
Length of Landing Joint	ft.	G.L. to (casing bowl) to (casing collar)	ft.
Length of Cut off Joint	ft.	Csg. Bowl Flange Elev.	ft.
Length of Shoe Joint overall	ft.	K.B. to top of casing	ft.

CEMENTING DATA

Time Hole Open Before Casing Started in Hole hrs.

Casing Started in Hole	M.	Casing in	M. (elapsed) hrs.
Circulating: Started	M.	Finished	M. (elapsed) hrs.
Mixing Cement: Started	M.	Finished	M. (elapsed) min.
Displacing: Started	M.	Plug Down 1:00 P.	M. (elapsed) min.

Maximum Displacement Pressure psi. Final Pressure psi.

Plug Displaced to ft. Displacement Fluid: (mud) (water) (other)

Method of Displacement

Method of Cementing

Amount Cement Used 790 Sacks. Average Cement Slurry Weight lbs./gal.

Kind of Cement: (Canadian) (American) (bulk) (sack): Weight per sack lbs.

Estimated Amount Cement Returns 50 Bbls sacks. Time Cement to Set hrs.

Was Pipe Worked During Circulating? Cementing? How Long

Additives to Cement 3% $CaCl_2$, 1% Gel Flakes, 2% Gel

Cementing Company B-J Service Operator Budvarson

Casing Landed in hrs. Well Head Make

Remarks

Signed

BIT RECORD

Well: Candel DECLRI et al Stewart B-30
64 - 20N 125 - 15W

Date Spudded: February 15, 1972

Date Completed: March 31, 1972

Bit No.	Size	Make & Type	Serial	Depth In	Depth Out	Footage	Hours	Condition
1A	8 3/4"	H.W. XIG	31339	Surface	447	447	14	8-8-0
2A	8 3/4"	H.W. XIG	31341	447	864	417	13 1/4	
3A	8 3/4"	H.W. XIG	31326	864	1018	154	3 3/4	8-8-1
1A	13 3/4"	Reed Hole Opener	990R	Surface	760	760	20 1/4	
2A	13 3/4"	Reed Hole Opener	1011R	760	1016	256	7 1/4	
1	8 3/4"	H.W. X3A	JM 193	1016	2529	1513	37 1/4	8-8-1
2	8 3/4"	H.W. X3A	JM 189	2529	3546	1017	35 3/4	8-7-1
3	8 3/4"	H.W. J-33	KH 144	3546	5485	1939	175 1/2	7-1-1
4	8 3/4"	H.W. J-33	KH 154	5485	7079	1594	166 1/4	6-1-1
5	8 3/4"	H.W. J-33	KH 143	7079	7384	305	39 1/4	7-7-0
6	8 3/4"	H.W. J-55	KM 213	7384	8725	1341	154 3/4	2-1-0
7	8 3/4"	H.W. J-55	LA0 44	8725	9671	946	129 1/4	2-2-1

DAILY MUD RECORD

Date 1972	Depth & Tour	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives						
							Gel	Caustic	Peltex	DV-68	DF-19	$CaCl_2$	Misc.
Feb 15	3 133		50				5500	200					Spud 6:30 p.m.
Feb 16	1 194'		70				1000	50					Losing Circul.
	2 372'		65				3500	100					Swdst 50SX
													Fbr Sl 45"
	3 447'		110				4000						Swdst 100"
													Fbr Sl 30"
Feb 17	1 625		72				3000	50					
	2 810						5400	100					Swdst 10"
													Fbr Sl6"
	3 864						6700	100					Fbr Sl 10"
													Swdst 50"
Feb 18	1 864						7000	100					Swdst 150"
													Fbr Sl 10"
	2 864						9200	200					Fbr Sl 20"
													Swdst 80"
	3 263		180				2700	50					Reaming
Feb 19	1 469		160				4000	100					Swdst 25"
	2 531'		200				7800						Swdst 100"
													Fbr Sl 8"
	3 760		400				5200						Swdst 60"
Feb 20	1 1018						4500						Swdst 50"
	2 1018						1200						
	3 1018						2300						
Feb 21	1 1018												Run casing
Feb 22	1 1018												W.O.C.
Feb 23	1 1039												
	2 1446	8.5				11.0					5#	500#	Cement 8 sx
	3 1758										2#		
Feb 24	1 2072	9.6				10.5					10#	400#	Cement 7 sx
	2 2318	8.8				10.5					5#		
	3 2488	8.9				10.5					2#	160#	
Feb 25	1 2529	8.8				10.5					2#	80#	
	2 2574	8.8				10.5					6#	100#	
	3 2850	8.8				10.5					6#	150#	
Feb 26	1 3044	8.7					3700			3 gal	8#	250#	
	2 3210	8.8				10.5	1400				8#	400#	
	3 3370	8.6									2#		
Feb 27	1 3540	8.8				10.5	700				6#		
	2 3556						800						
	3 3670	8.9	28				1200						Mud up at 3600
Feb 28	1 3766	8.9	35				4400						
	2 3905	9.0	37				2500						
	3 4028	9.0	36				2700						
Feb 29	1 4110	9.0	44				3600						
	2 4190	9.0	43			8.0	3600	100	200				
	3 4261	9.0	42			8.0	1800	50	50				
Mar 1	1 4332	9.0	42			9.0	3600	100	50				
	2 4407	9.0	45			8.0	3600						
	3 4480	9.1	47			8.0	4200						

DAILY MUD RECORD

Date 1972	Depth & Tour	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	Peltex	DV-68	DF-19	$CaCl_2$	Misc.
Mar 2	1 4590	9.0	48	9.2	2	8.0	5000'						
	2 4649	9.0	42			8.0	1900						
	3 4730	9.0	47			8.0	2500						
Mar 3	1 4820	9.0	43	9.8	2	8.0	2500	50	50				
	2 4900	9.1	44	9.4	2	8.5	1900						
	3 4975	9.1	45	10.2	2	8.0	2500						
Mar 4	1 5040	9.1	39	9.4	2	8.0	3800	50	50				
	2 5108	9.1	43	10.4	2	8.0	1600						CMC 100
	3 5173	9.1	42	8.4	2	8.0							
Mar 5	1 5236	9.1	41	8.2	2	8.0	2000						
	2 5308	9.1	48	9.0	2	10.0	1900	150	150				CMC 100
	3 5378	9.1	41	6.8	2	10.5							
Mar 6	1 5451	9.1	42	7.6	2	10.5	2300						
	2 5485	9.1	44	8.4	2	10.0	1600						
	3 5513	9.1	47	7.2	2	10.0							
Mar 7	1 5583	9.2	48	8.6	2	10.0	1700						
	2 5663	9.2	41	7.2	2	10.0	1700						
	3 5733	9.2	41	8.0	2	8.5	1800						
Mar 8	1 5808	9.1	43	8.8	2	10.5		100	100				
	2 5898	9.2	42	7.8	2	10.0	3500	100	200				
	3 5964	9.1	40	7.9	2	10.5							
Mar 9	1 6013	9.2	45	8.2	2	10.5	2000	100	100				
	2 6040	9.2	82	7.8	2	10.5	3600						Prepare for Dst
	3 6103	9.2	48	8.0	2	10.5		100					not run
Mar 10	1 6170	9.2	45	7.8	2	10.5	1900	100					
	2 6230	9.1	46	8.4	2	10.5	2000						
	3 6300	9.2	39	8.0	2	10.5							
Mar 11	1 6374	9.2	50	8.6	2	10.0	2000	150	150				
	2 6444	9.2	38	8.6	2	10.5	2200						
	3 6512	9.2	44	9.0	2	10.5							
Mar 12	1 6590	9.2	46	8.4	2	10.5	2000						
	2 6664	9.2	40	8.4	2	10.0	2200	100	200				
	3 6751	9.2	44	8.4	2	10.5							
Mar 13	1 6830	9.2	43	8.2	2	10.5	2000	150					
	2 6900	9.2	45	8.2	2	10.5	2200						
	3 6987	9.2	39	8.4	2	10.5	1700	100	100				
Mar 14	1 7069	9.2	44	8.4	2	10.5	500	50	50				
	2 7079	9.2	85	8.0	2	10.5	4700						To run DST #1
Mar 15	1 7079												
	2 7079							100					
	3 7090	9.2	60	8.5	2	10.5							
Mar 16	1 7168	8.9	48	8.2	2	10.5	2900	100	100				
	2 7233	9.1	42	8.4	2	10.5	2100						
	3 7290	9.2	45	8.4	2	11.0		350	550				Soda Ash 2100#

DAILY MUD RECORD

Date 1972	Depth & Tour	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	Peltex	DV-68	DF-19	$CaCl_2$	Misc.
Mar 17	1 7352	9.2	45	8.4	2	11.5		450	600				Soda Ash 2500#
	2 7384	9.3+	46	8.6	2	11.5		300	750				Soda Ash 1000#
	3 7384												WtMat 4300#
													Trip to Test
Mar 18	1 7384												Testing
Mar 19	1 7454	9.3	80	9.8	2	11.5		450	650				Soda Ash 900#
	2 7519	9.3	50	7.8	2	11.5		250	650				CMC 50
	3 7576	9.2	45	8.2	2	11.0		250	250				
Mar 20	1 7651	9.3	50		2	11.0	2800	300	300				CMC 100
	2 7720	9.3	42	13.2	2	11.5							CMC 100
	3 7785	9.4	44	11.2	2	11.5							
Mar 21	1 7845	9.4	40	11.6	2	11.5	2800						CMC 100
	2 7909	9.4	43	11.5	2	10.5							
	3 7975	9.4	42	10.8	2	11.5							
Mar 22	1 8030	9.5	44	10.0	2	11.5	2800	100	100				
	2 8090	9.5	48	8.4	2	11.5	2600						CMC 150
	3 8154	9.4	41	9.5	2	11.0		100	100				
Mar 23	1 8225	9.4	41	11.2	2	11.5	1800						
	2 8283	9.4	52	9.8	2	10.5	2600	150	150				CMC 150
	3 8355	9.4	42	10.2	2	11.0							
Mar 24	1 8438	9.4	44	9.0	2	11.0	2700						CMC 150
	2 8508	9.3	40	10.4	2	11.0	2700						CMC 150
	3 8573	9.3	55	9.6	2	11.0		100					
Mar 25	1 8643	9.3	53	10.2	2	10.5		50					
	2 8709	9.3	50	9.8	2	11.0	2700	150	150				CMC 150
	3 8725	9.3	56	9.8	2	11.0							
Mar 26	1 8753	9.3	54	9.4	2	11.0							
	2 8803	9.3	48	9.4	2	10.0		150	150				
	3 8857	9.2	42	9.8	2	11.0							
Mar 27	1 8901	9.3	49	9.0	2	11.0	1400						CMC 200
	2 8950	9.3	45	9.8	2	11.0		150	150				
	3 8999	9.3	40	9.4	2	10.5		350	350				
Mar 28	1 9046	9.3	43	10.0	2	11.5	3200						
	2 9104	9.3	43	9.4	2	11.0							
	3 9164	9.4	43	9.6	2	11.0							
Mar 29	1 9225	9.4	43	9.6	2	11.0							
	2 9285	9.5	45	11.0	2	10.5	2400	50	50				CMC 100
	3 9337	9.5	45	10.4	2	11.0							
Mar 30	1 9392	9.4	43	10.6	2	11.0							
	2 9461	9.5	44	10.4	2	10.5		50	50				
	3 9526	9.5	41	11.8	2	10.5							
Mar 31	1 9593	9.5	47	9.8	2	11.5	3100	200	100				CMC 200
	2 9658	9.6	46	9.0	2	11.0	5100						
	3 9671	9.6	130	9.2	2	11.0	9000						
Apr 1	1 9671	9.6	130	9.2	2	11.0							Running logs

DAILY MUD RECORD

Date 1972	Depth & Tour	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel Caustic Peltex DV-68 DF-19 $CaCl_2$	Misc.
Apr 3	1 9671							Testing
	2 9671							
	3 9671		65					Add water
Apr 4	1 9671	9.3	45					Testing
Apr 5	1 9671							Finish Test Run plugs
Apr 6	1 9671							Run plugs
Apr 7	1 9671							Testing
Apr 8	1 9671							Plugging
Apr 9								Rig released 6:00 a.m.

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE 1972	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
Feb. 15	0	133'	133'	5 1/4	1A	90	1/8	Drilling. Spud in 6:30 P.M. Feb. 15/72. Drill 8 3/4" pilot hole.
Feb. 16	133'	447'	314'	9 1/4	1A	240 360 480 690	1/2 1 1 3/4 1 1/4	Mix lost circulation material. Lot circulation at 447' while drilling 8 3/4" pilot hole.
Feb. 17	447'	864'	417'	13 1/4	2A	790	1	Mix lost circulation material. Losing circulation at 810' and 864' - drilling 8 3/4" pilot hole.
Feb. 18	864'	864'	Ream 263'	5 1/2	Reamer			Ream. Regain circulation - trip out for reamer, and ream hole to 13 3/4" to a depth of 263'.
Feb. 19		864'	Ream 497'	14 3/4	Reamer	280	1/4	Trip reamer. Reamed 13 3/4" hole to 760'.
Feb. 20	864'	1018'	154'	3 3/4	3A	988	1°	Circulate. Reamed to 864', drilled 8 3/4" pilot hole to 1018' - reamed to 13 3/4" to depth of 1016'.
Feb. 21		1018'	0	0				W.O.C. Ran 26 jts. (1018') 36#, 9 5/8", K-55, New Casing, Set at 1016' K.B. Cemented w/600 sacks + 3% Ca Cl_2 + 1% Gel Flakes + 2% Gel and 190 sacks w/2% $CaCl_2$. Plug down at 1:00 P.M. Feb. 21. 50 bbls. cement returns.
Feb. 22		1016'	0	0				Nipple up and pressure test. Pressure test to 1500#
Feb. 23	1016'	1758'	742'	14	1	1186' 1430' 1624 1780	3/4 1 1 7/8	Drilling. Drill out w/8 3/4" bit commencing at 6:30 A.M.
Feb. 24	1758'	2488'	730'	21 1/4	1	2380 2529	1/2 1/2	Drilling.
Feb. 25	2488'	2850'	362'	9 1/2	1 & 2	2668 2815	1/2 1/2	Drilling.

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE 1972	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
Feb. 15	0	133'	133'	5 1/4	1A	90	1/8	Drilling. Spud in 6:30 P.M. Feb. 15/72. Drill 8 3/4" pilot hole.
Feb. 16	133'	447'	314'	9 1/4	1A	240 360 480 690	1/2 1 1 3/4 1 1/4	Mix lost circulation material. Lot circulation at 447' while drilling 8 3/4" pilot hole.
Feb. 17	447'	864'	417'	13 1/4	2A	790	1	Mix lost circulation material. Losing circulation at 810' and 864' - drilling 8 3/4" pilot hole.
Feb. 18	864'	864'	Ream 263'	5 1/2	Reamer			Ream. Regain circulation - trip out for reamer, and ream hole to 13 3/4" to a depth of 263'.
Feb. 19		864'	Ream 497'	14 3/4	Reamer	280	1/4	Trip reamer. Reamed 13 3/4" hole to 760'.
Feb. 20	864'	1018'	154'	3 3/4	3A	988	1°	Circulate. Reamed to 864', drilled 8 3/4" pilot hole to 1018' - reamed to 13 3/4" to depth of 1016'.
Feb. 21		1018'	0	0				W.O.C. Ran 26 jts. (1018') 36#, 9 5/8", K-55, New Casing, Set at 1016' K.B. Cemented w/600 sacks + 3% Ca Cl_2 + 1% Gel Flakes + 2% Gel and 190 sacks w/2% $CaCl_2$. Plug down at 1:00 P.M. Feb. 21. 50 bbls. cement returns.
Feb. 22		1016'	0	0				Nipple up and pressure test. Pressure test to 1500#
Feb. 23	1016'	1758'	742'	14	1	1186' 1430' 1624 1780	3/4 1 1 7/8	Drilling. Drill out w/8 3/4" bit commencing at 6:30 A.M.
Feb. 24	1758'	2488'	730'	21 1/4	1	2380 2529	1/2 1/2	Drilling.
Feb. 25	2488'	2850'	362'	9 1/2	1 & 2	2668 2815	1/2 1/2	Drilling.

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
Feb. 26	2850'	3370'	520'	20-1/2	2	3160 3318	1/2 1/2	Drilling.
Feb. 27	3370'	3670'	300'	15-1/4	2 & 3	3506 3663	7/8 3/4	Drilling. Mud up at 3600'.
Feb. 28	3670'	4028'	358'	22-1/4	3	3851	9/16	Drilling.
Feb. 29	4028'	4261'	233'	22-1/2	3	4040 4230	9/16 1/4	Drilling.
Mar. 1	4261'	4480'	219'	21-3/4	3	4418	1/4	Drilling.
Mar. 2	4480'	4730'	250'	22-3/4	3	4607	1/4	Drilling.
Mar. 3	4730'	4975'	245'	22-3/4	3	4795	3/4	Drilling.
Mar. 4	4975'	5173'	198'	22-3/4	3	4985	1	Drilling.
Mar. 5	5173'	5378'	205'	22-1/4	3	5174	1-1/4	Drilling.
Mar. 6	5378'	5513'	135'	14-1/4	3 & 4	5361	1-3/4	Drilling. Tripped for bit #4 at 5485'.
Mar. 7	5513'	5733'	220'	22-3/4	4	5550	1-7/8	Drilling.
Mar. 8	5733'	5964'	231'	22-3/4	4	5735	1-7/8	Drilling.
Mar. 9	5964'	6103'	139'	19	4	5923	2	Drilling. Circulate at 6015' - possible DST - drill ahead.
Mar. 10	6103'	6300'	197'	22-1/4	4			Drilling.
Mar. 11	6300'	6512'	212'	22-1/4	4	6395	1-3/4	Drilling.
Mar. 12	6512'	6751'	239'	22-1/2	4	6585	1-1/2	Drilling.
Mar. 13	6751'	6987'	236'	22-3/4	4	6835	1-1/2	Drilling.
Mar. 14	6987'	7079'	92'	9	4	7038	1-1/2	Run in test tools. Drilled to 7079' in Bear Rock - Conditioned mud and will test.
Mar. 15	7079'	7090'	11'	1-1/2	5	7106	1	Drilling. Ran DST #1 - misrun - drill ahead with bit #5. Install Teledrift equipment for surveys.
Mar. 16	7090'	7290'	200'	23-1/4	5	7200	1-1/2	Drilling.

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
Feb. 26	2850'	3370'	520'	20-1/2	2	3160 3318	1/2 1/2	Drilling.
Feb. 27	3370'	3670'	300'	15-1/4	2 & 3	3506 3663	7/8 3/4	Drilling. Mud up at 3600'.
Feb. 28	3670'	4028'	358'	22-1/4	3	3851	9/16	Drilling.
Feb. 29	4028'	4261'	233'	22-1/2	3	4040 4230	9/16 1/4	Drilling.
Mar. 1	4261'	4480'	219'	21-3/4	3	4418	1/4	Drilling.
Mar. 2	4480'	4730'	250'	22-3/4	3	4607	1/4	Drilling.
Mar. 3	4730'	4975'	245'	22-3/4	3	4795	3/4	Drilling.
Mar. 4	4975'	5173'	198'	22-3/4	3	4985	1	Drilling.
Mar. 5	5173'	5378'	205'	22-1/4	3	5174	1-1/4	Drilling.
Mar. 6	5378'	5513'	135'	14-1/4	3 & 4	5361	1-3/4	Drilling. Tripped for bit #4 at 5485'.
Mar. 7	5513'	5733'	220'	22-3/4	4	5550	1-7/8	Drilling.
Mar. 8	5733'	5964'	231'	22-3/4	4	5735	1-7/8	Drilling.
Mar. 9	5964'	6103'	139'	19	4	5923	2	Drilling. Circulate at 6015' - possible DST - drill ahead.
Mar. 10	6103'	6300'	197'	22-1/4	4			Drilling.
Mar. 11	6300'	6512'	212'	22-1/4	4	6395	1-3/4	Drilling.
Mar. 12	6512'	6751'	239'	22-1/2	4	6585	1-1/2	Drilling.
Mar. 13	6751'	6987'	236'	22-3/4	4	6835	1-1/2	Drilling.
Mar. 14	6987'	7079'	92'	9	4	7038	1-1/2	Run in test tools. Drilled to 7079' in Bear Rock - Conditioned mud and will test.
Mar. 15	7079'	7090'	11'	1-1/2	5	7106	1	Drilling. Ran DST #1 - misrun - drill ahead with bit #5. Install Teledrift equipment for surveys.
Mar. 16	7090'	7290'	200'	23-1/4	5	7200	1-1/2	Drilling.

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
Mar. 17	7290'	7384'	194'	14-1/2	5	7364	1	Make up DST #2. Drill to 7384' and prepare to straddle test same interval as DST #1 - Bear Rock porosity.
Mar. 18	7384'	7388'	4'	3/4	6			Drilling. Completed DST #2 - good test, drill ahead with bit #6.
Mar. 19	7388'	7576'	188'	23	6	7500 7610	2 2-1/2	Drilling.
Mar. 20	7576'	7785'	209'	22-3/4	6	7704	2-1/2	Drilling.
Mar. 21	7785'	7975'	190'	23-1/4	6	7890	2	Drilling.
Mar. 22.	7975'	8154'	179'	23	6	8230	3-3/4	Drilling.
Mar. 23	8154'	8355'	201'	22-1/4	6	8350	2	Drilling.
Mar. 24	8355'	8573'	218'	22-1/2	6	8397 8422 8485 8580	2-1/2 2-1/2 2-1/2 2-1/2	Drilling.
Mar. 25	8573'	8725'	152'	17-1/2	6	8700 8725	2-1/2 3-3/4	Drilling. Tripped for Bit #7 at 8725'
Mar. 26	8725'	8857'	132'	19-1/4	7	8895	2-1/2	Drilling.
Mar. 27	8857'	8999'	142'	23-1/4	7	8950	2-1/2	Drilling.
Mar. 28	8999'	9164'	165'	23-1/4	7	9140	2-1/2	Drilling.
Mar. 29	9164'	9337'	173'	23-1/4	7			Drilling.
Mar. 30	9337'	9526'	189'	23-1/4	7	9395	2-1/2	Drilling.
Mar. 31	9526'	9671'	145'	17	7	9670	3-3/4	Trip to run logs. Drilled to final T.D. 9671'.
April 1	9671'	9671'	0	0				Logging. Logs include DIL, BHCS-GR, FDC-GR, SNP-GR, HDT. Loggers T.D. 9668'.
April 2		9671'	0	0				Running DST #3. Finished logging - to run test #3 from 7640' - 8160'

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
Mar. 17	7290'	7384'	194'	14-1/2	5	7364	1	Make up DST #2. Drill to 7384' and prepare to straddle test same interval as DST #1 - Bear Rock porosity.
Mar. 18	7384'	7388'	4'	3/4	6			Drilling. Completed DST #2 - good test, drill ahead with bit #6.
Mar. 19	7388'	7576'	188'	23	6	7500 7610	2 2-1/2	Drilling.
Mar. 20	7576'	7785'	209'	22-3/4	6	7704	2-1/2	Drilling.
Mar. 21	7785'	7975'	190'	23-1/4	6	7890	2	Drilling.
Mar. 22.	7975'	8154'	179'	23	6	8230	3-3/4	Drilling.
Mar. 23	8154'	8355'	201'	22-1/4	6	8350	2	Drilling.
Mar. 24	8355'	8573'	218'	22-1/2	6	8397 8422 8485 8580	2-1/2 2-1/2 2-1/2 2-1/2	Drilling.
Mar. 25	8573'	8725'	152'	17-1/2	6	8700 8725	2-1/2 3-3/4	Drilling. Tripped for Bit #7 at 8725'
Mar. 26	8725'	8857'	132'	19-1/4	7	8895	2-1/2	Drilling.
Mar. 27	8857'	8999'	142'	23-1/4	7	8950	2-1/2	Drilling.
Mar. 28	8999'	9164'	165'	23-1/4	7	9140	2-1/2	Drilling.
Mar. 29	9164'	9337'	173'	23-1/4	7			Drilling.
Mar. 30	9337'	9526'	189'	23-1/4	7	9395	2-1/2	Drilling.
Mar. 31	9526'	9671'	145'	17	7	9670	3-3/4	Trip to run logs. Drilled to final T.D. 9671'.
April 1	9671'	9671'	0	0				Logging. Logs include DIL, BHCS-GR, FDC-GR, SNP-GR, HDT. Loggers T.D. 9668'.
April 2		9671'	0	0				Running DST #3. Finished logging - to run test #3 from 7640' - 8160'

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
April 3		9671'	0	0				Conditioning hole. DST #3 misrun - to run DST #4 from 8250' - 8500'.
April 4		9671'	0	0				Running DST #4.
April 5		9671'	0	0				Running abandonment plugs. Completed DST #4 - good test. Run plug #1 9671' - 9570'. Plug down at 8:00 p.m. Run plug #2 8850' to 8750'. Plug down at 10:00 p.m.
April 6		9671'						Running abandonment plugs. Felt plug #2 at 8730'. Ran plug #3 7000' - 6800'. Feel for plug #3 at 6830 after 8 hours. Ran plug #4 6015' - 5910'. Plug down at 6:15 p.m.
April 7		9671'						Running DST #5. Felt plug #5 at 3780' - polish off cement plug to 3800' to run DST #5.
April 8		9671'						W.O.C. Completed DST #5 - good test - Ran plug #6 3600' - 3500'. Felt top at 3480' after 8 hours. Ran plug #7 1070' - 970'
April 9		9671'						Abandoned. Feel plug #7 at 980' after 8 hours. Lay down pipe and tear out rig. Rig released at 6:00 A.M. April 9, 1972.

DAILY PROGRESS REPORT

24 Hour Period from Midnight to Midnight

DATE	DEPTH From	DEPTH To	Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY Depth	DEVIATION SURVEY R.D.G.	REMARKS
April 3		9671'	0	0				Conditioning hole. DST #3 misrun - to run DST #4 from 8250' - 8500'.
April 4		9671'	0	0				Running DST #4.
April 5		9671'	0	0				Running abandonment plugs. Completed DST #4 - good test. Run plug #1 9671' - 9570'. Plug down at 8:00 p.m. Run plug #2 8850' to 8750'. Plug down at 10:00 p.m.
April 6		9671'						Running abandonment plugs. Felt plug #2 at 8730'. Ran plug #3 7000' - 6800'. Feel for plug #3 at 6830 after 8 hours. Ran plug #4 6015' - 5910'. Plug down at 6:15 p.m.
April 7		9671'						Running DST #5. Felt plug #5 at 3780' - polish off cement plug to 3800' to run DST #5.
April 8		9671'						W.O.C. Completed DST #5 - good test - Ran plug #6 3600' - 3500'. Felt top at 3480' after 8 hours. Ran plug #7 1070' - 970'
April 9		9671'						Abandoned. Feel plug #7 at 980' after 8 hours. Lay down pipe and tear out rig. Rig released at 6:00 A.M. April 9, 1972.

ABANDONMENT PLUGS

#1	9671' - 9570'	36 sacks cement, plus 14# retarder, plug down @ 8:00 P.M. April 5, 1972. No feel.
#2	8850' - 8750'	40 sacks cement, plus 14# retarder, plug down @ 10:00 P.M. April 5, 1972. Felt at 8730' after 8 hours.
#3	7000' - 6800'	80 sacks cement, plug down at 8:00 A.M. April 6, 1972. Felt @ 6800' after 8 hours.
#4	6015' - 5910'	40 sacks cement, plug down at 6:15 P.M. April 6, 1972. Felt @ 5915' after 8 hours.
#5	4000' - 3800'	92 sacks cement plus 3% $CaCl_2$, plug down at 4:30 A.M. April 7, 1972. Felt @ 3780' after 10 3/4 hours - polished off to 3800'.
#6	3600' - 3500'	45 sacks cement plus 3% $CaCl_2$. Plug down at 10:15 A.M. April 8, 1972. Felt @ 3480' after 8 hours.
#7	1070' - 970'	45 sacks cement plus 3% $CaCl_2$. Plug down at 7:30 P.M. April 8, 1972. Felt @ 980' after 8 hours.
		5 sacks of cement put in top of surface casing and welded on plate.

LOST CIRCULATION ZONES

Depth	Formation	Remarks
265' & 447'	Glacial Gravel	Lost circulation while drilling 8 3/4" pilot hole (approximately 1300 -1400 bbls.) Regain circulation by adding sawdust and fibre seal.
690'	Cretaceous	Lost approximately 100 barrels - add lost circulation material.
810'	Cretaceous	Losing drilling fluid to Glacial gravel over the interval from ground surface to 490'. Added sawdust and fibre seal to regain circulation. No further problems after surface casing set.
864'	Cretaceous	Lost about 1450 barrels of drilling fluid - add lost circulation material.
469-531'	Glacial Gravel & Cretaceous	Lost approximately 1800 - 1900 barrels of fluid while reaming surface hole. Add lost circulation material.

SECTION IV ELECTRICAL LOGS

Electrical Logs: By Schlumberger

Dual Induction - Laterolog	Run 1	April 1/72	1014' - 9661'
Borehole Compensated Sonic Log	" "	" "	1014' - 9666'
Formation Density Log	" "	" "	1014' - 9666'
Sidewall Neutron Porosity Log	" "	" "	1014' - 9666'
Dipmeter	" "	April 2/72	3500' - 9666'

SECTION V ANALYSIS

Lab No.	Sample	From	To	Source	Remarks
C72-4587	Mudddy Water	6905'	7080'	DST. #2	Water Analysis
933-2475	Water	8500'	8250'	DST. #4 (top of tool)	" "
933-2475	Water	3800'	3608'	DST. #5 (top of tool)	Water Analysis
933-2398	Muddy Water	6905'	7080'	DST. #2 (top of tool)	Mud Filtrate Analysis

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C72-4587

Received: Mar.24,1972 Reported: April 17, 1972

Well: Location: CanDel DEC etal Stewart B-30-64-20-125-15

Operator: CANDEL OIL LTD.

Field or Area: Stewart

Elev.: K.B. 1689' Grd. 1675' Zone/Formation: Bear Rock

Sample Interval: 6905' - 7080'

Method of Production: D.S.T. 2

Sampled from:

Sampled by: Johnston Testers Ltd. Date: Mar.18,1972

OTHER PERTINENT DATA Recovery: 810' fluid,
270' water cut drilling mud,
540' muddy water

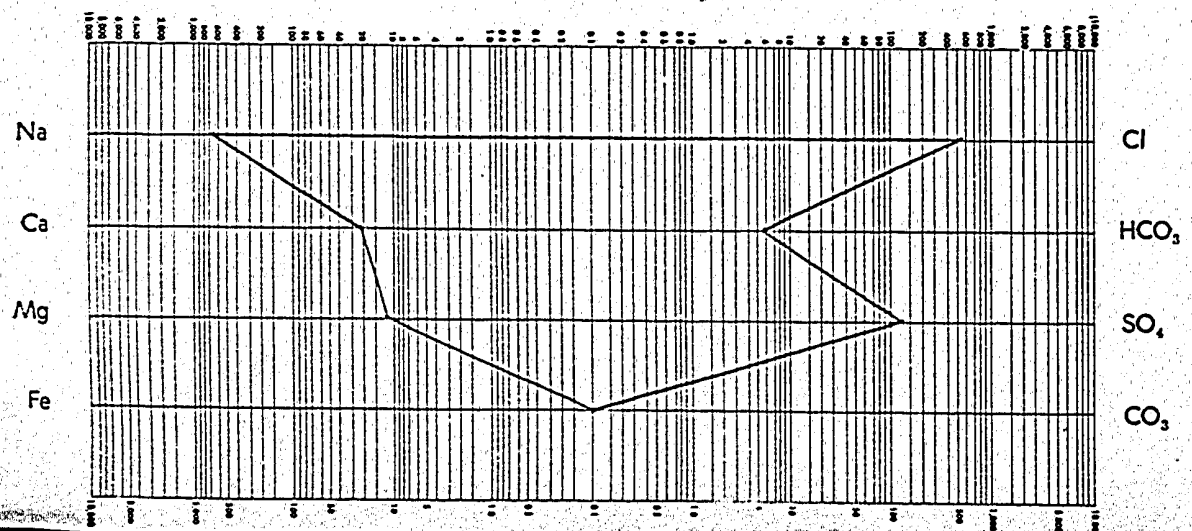
(Signed)

	Na & K		Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	15,072		440	146					6304	19,600				350		
Meq./L	655.62		21.96	12.00					131.12	552.72				5.74		
Meq. %	47.54		1.59	0.87					9.51	40.08				0.42		

Total Solids Mg/L: By Evaporation 43,660 Fe Trace Specific Gravity 1.031 @60°F Observed pH 7.8 @ 74°F

Calculated 41,912 After Ignition 41,560 H_2S Nil Refractive Index 1.3398 @25°C Resistivity 0.182 ohm meters @ 68°F

Pattern Unit Meq./L



Remarks and Conclusions

Analysis determined on brown filtrate recovered from water containing approximately 60% sediment. Much organic matter detected in evaporated total dissolved solids.

MUD FILTRATE ANALYSIS

FOR

CANDEL OIL LTD.

CANDEL DECLRI ET AL STEWART B-30
STEWART AREA
NORTHWEST TERRITORIES

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 18 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

CORE LABORATORIES - CANADA LTD.
Petroleum Reservoir Engineering
CALGARY - EDMONTON - REGINA

CORE LABORATORIES — CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company CanDel Oil Ltd. Page 1 of 1

Well CanDel Declri et al Stewart B-30 File 933-2398

Field Stewart Area, N.W.T. Analyst LK

Location 64 19' 12.00 N.L. 125 19' 20.00 W.L. Elevation: K.B. Grd. 1975'

Formation Depth

Sampled from DST #2 (Top of Tool) by

Sampling pressure psig Sampling temp. °F Ambient temp. °F

Date sampled March 18/72 Date received March 24/72 Date analysed March 30/72

Container pressure Mud Water cushion

Recovery or flowrate:

MUD FILTRATE ANALYSIS

Resisitivity	0.228	Ohm-meters @ 69°F
Chloride	17,025	mg/liters

MUD FILTRATE ANALYSIS

FOR

CANDEL OIL LTD.

CANDEL DECLRI ET AL STEWART B-30
STEWART AREA
NORTHWEST TERRITORIES

CORE LABORATORIES - CANADA LTD.
Petroleum Reservoir Engineering
CALGARY - EDMONTON - REGINA

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company CanDel Oil Ltd. Page 1 of 1

Well CanDel Declri et al Stewart B-30 File 933-2398

Field Stewart Area, N.W.T. Analyst LK

Location 64 19' 12.00 N.L. 125 19' 20.00 W.L. Elevation: K.B. _____ Grd. 1975'

Formation _____ Depth _____

Sampled from DST #2 (Top of Tool) by _____

Sampling pressure _____ psig Sampling temp. _____ °F Ambient temp. _____ °F

Date sampled March 18/72 Date received March 24/72 Date analysed March 30/72

Container pressure _____ Mud _____ Water cushion _____

Recovery or flowrate: _____

MUD FILTRATE ANALYSIS

Resisitivity	0.228 Ohm-meters @ 69°F
Chloride	17,025 mg/liters

WATER ANALYSES

FOR

CANDEL OIL LTD.

CANDEL DECLRI ET AL STEWART B-30
STEWART AREA
NORTHWEST TERRITORIES

CORE LABORATORIES - CANADA LTD.
Petroleum Reservoir Engineering
CALGARY - EDMONTON - REGINA

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 933-2475 Page 1 of 2

Company CanDel Oil Ltd.

Well CanDel Declri et al Stewart B-30 K.B. ____ Grd. 1975'

Location 64° 19' 12.00 N.L. 125° 19' 20.00 W.L. Field Stewart Area Province N.W.T.

Formation ____ Interval 8500' - 8250'

Sampled from DST #4 (Top of Tool) by ____

Date sampled April 4/72 Date analysed April 20/72 Analyst LK

Recovery Salt water.

____ Mud type ____ Water cushion ____

Resistivity 0.141 Ohm-meters @ 70 °F

Specific gravity 1.0397 @ 60°F

pH 7.55 H_2S Absent

Refractive Index 1.3425 @ 77°F

Total Solids:

Calculated 54,873 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
18798	1857	211	Trace	Abs.	-	-	29808	151	4048	Nil	Nil

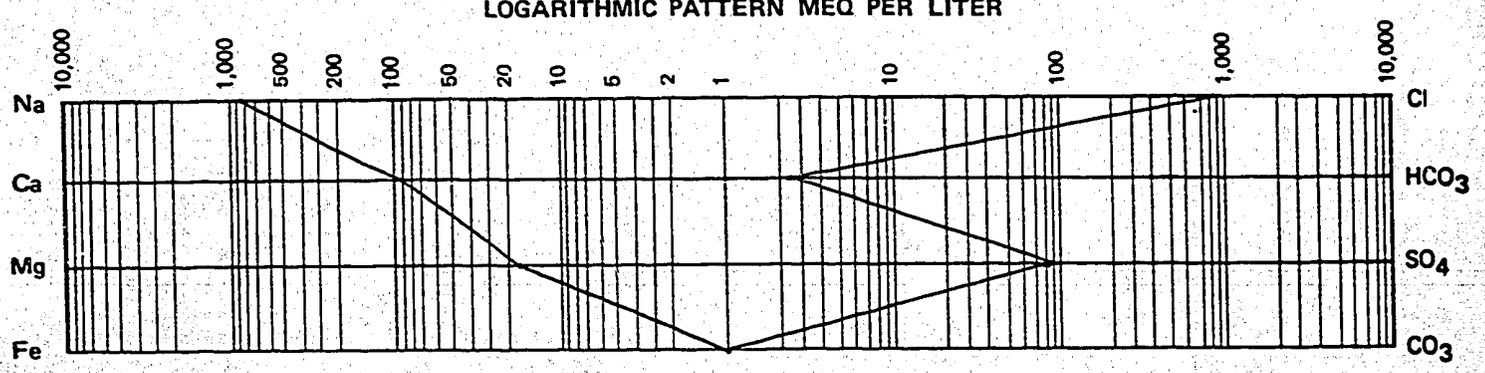
PER CENT CALCULATED SOLIDS

34.3	3.4	.4	Trace	Abs.	-	-	54.3	.3	7.4	.0	.0

MEQ PER LITER

817.3	92.7	17.3	Trace	Abs.	-	-	840.6	2.5	84.2	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



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CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 933-2475 Page 2 of 2

Company CanDel Oil Ltd.

Well CanDel Declri et al Stewart B-30 K.B. ____ Grd. 1975'

Location 64° 19' 12.00 N.L. 125° 19' 20.00 W.L. Field Stewart Area Province Alberta

Formation ____ Interval 3800' - 3608'

Sampled from DST #5 (Top of Tool) by ____

Date sampled April 8/72 Date analysed April 20/72 Analyst LK

Recovery ____

____ Mud type ____ Water cushion ____

Resistivity 1.91 Ohm-meters @ 71 °F

Specific gravity 1.0037 @ 60°F

pH 12.0 H_2S Absent

Refractive Index 1.3332 @ 77°F

Total Solids:

Calculated 4,107 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
998	433		Trace	Abs.	-	-	103		2244	158	171

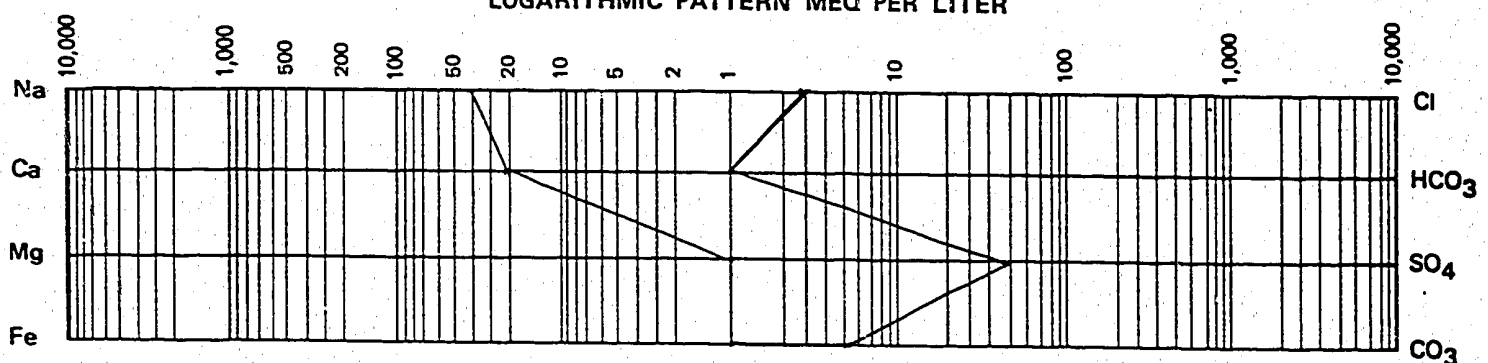
PER CENT CALCULATED SOLIDS

24.3	10.5	.0	Trace	Abs.	-	-	2.5	.0	54.6	3.8	4.2

MEQ PER LITER

43.4	21.6	.0	Trace	Abs.	-	-	2.9	.0	46.7	5.3	10.1

LOGARITHMIC PATTERN MEQ PER LITER



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BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DCLRI ET AL STEWART

B-30

TEST NO. 1

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name	CANDEL DCLRI ET AL STEWART	Test No.	1
Well Number	B-30	Zone Tested	
Company	CANDEL OIL LTD.	Interval	6900.0 TO 7079.0
Comp. Rep.	D.NELSON	Tester RUDVARSON	Date MARCH 15,1972

Type of Test DUAL BOTTOM HOLE RFS Tool No. 14

Preflow 7.0 mins. ISI 30.0 mins. Flow 90.0 mins. FSI 120.0 mins.

	IN REC. No. 2011 5500 RANGE 12 HR. CLOCK	OUT REC. No. 1875 5600 RANGE 12 HR. CLOCK	OUT REC. No. 3958 6500 RANGE 24 HR. CLOCK
DEPTH	6882.0	6916.0	6921.0
Initial Hydro Mud Press	3378.1	3394.9	3397.4
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	3378.1	3394.9	3397.4

Mud Drop NIL Fluid Loss 8.00 Mud Weight 9.2

Viscosity 85.0 Temperature °F 146.0 Net Pay Tested

Top Packer Depth 6894.0 Bottom Packer Depth 6900.0 Total Depth 7079.0

Drill Pipe Size 4.5 FH Wt. 16.60 Drill Collar I.D. 2.875 Ft. Run 538.00

Surface Choke Size CLOSED Bottom Choke Size 0.50 Main Hole Size 8.750

Anchor Size 4.75 Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.50

Fluid Recovery Total Feet 45.0

Recovered 45 Feet of DRILLING MUD

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe

REMARKS: GOOD AIR BLOW ON PREFLOW. GOOD AIR BLOW ON INITIAL FLOW SLOWLY DECREASING UNTIL DEAD IN 40 MINUTES.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 18 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

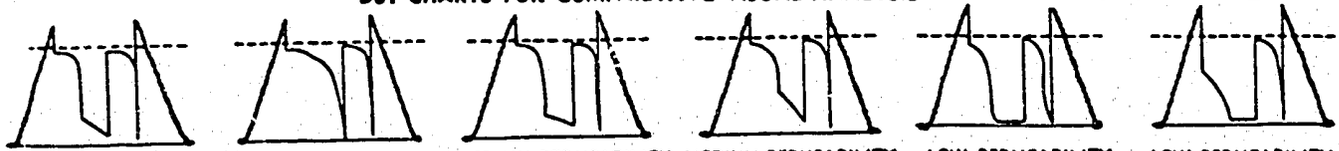
A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

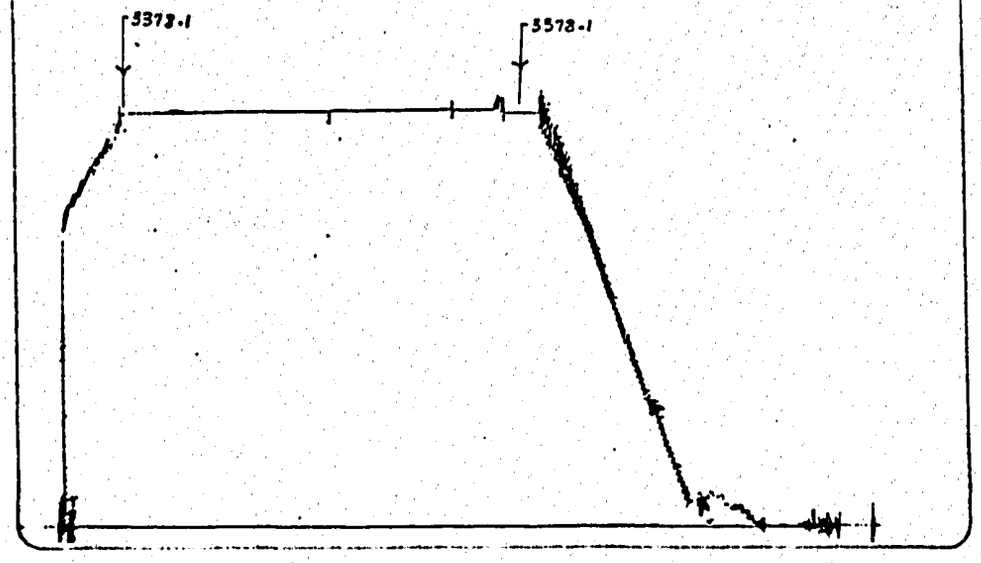
		ID	OD	LENGTH	
	4S LANDING SUB				
	4S CHAMBER C.O. SUB			1.00	
	4S TOOL OR P.O. SUB			1.00	
	CO SUB REC. CASE			4.00	
WEIGHT INDICATER READING	SHUT IN TOOL		4¾	5.20	
PRIOR TO SETTING PACKERS	R.F.S. No. 14	2¼	4¾	3.35	
AFTER PULL PACKERS LOOSE	R.F.S. No.	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.15	
	JARS JOHNSTON	1	4¾	7.80	
	RECORDER No. 2011	2¼	4¾	5.00	DEPTH 6882
	RECORDER No.	2¼	4¾		DEPTH
	SAFETY JOINT	2 11/16	4¾	1.75	
	BY PASS SUB	1 5/32	4¾		
1. PACKER DEPTH 6894	PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 6900	PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 47.00
	ANCHOR—SPECIFY	2½		1.00	
	PERFS			15.00	
	BLANK OFF OR BY PASS SUB	1 5/32	4¾		
	RECORDER No. 1875	2¼	4¾	5.00	DEPTH 6916
	REC. NO. 3958			1.00	6921
3. PACKER DEPTH	PACKER	1 OR ⅞			TOTAL INTERVAL 179.00
4. PACKER DEPTH	PACKER	1 OR ⅞			
	ANCHOR—SPECIFY	2½			
	C.O. SUB			1.00	
	RECORDER No	2¼	4¾		DEPTH
	DRILL COLLARS			153.00	
TOTAL DEPTH 7079	BULLNOSE	2¼	4¾	3.00	TOTAL TAIL PIPE 179.00
					TOTAL TEST TOOL 73.00

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



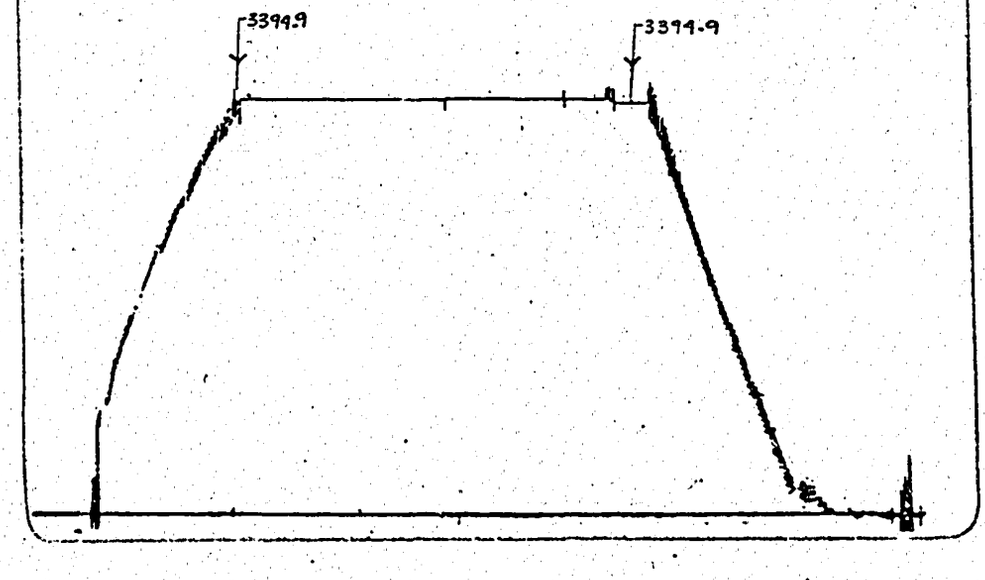
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 6900 - 7079
DST NO. 1 REC. NO. 2011

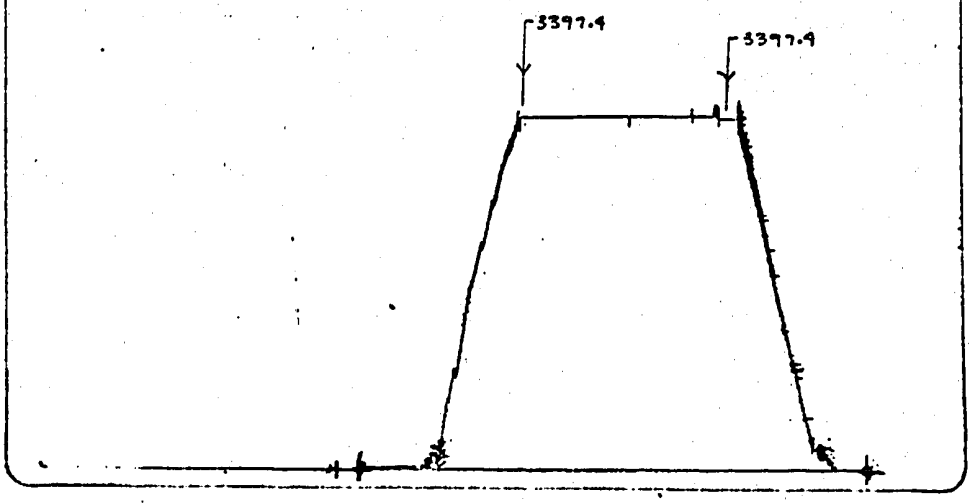


DST RECORDER CHARTS

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 6900 - 7079
DST NO. 1 REC. NO. 1875



CANDEL DCLRI ET AL STEWART B-30
INTERVAL 6900 - 7079
DST NO. 1 REC. NO. 3958



DST RECORDER CHARTS

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DCIRI ET AL STEWART

B-30

TEST # 2

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DOLRI ET AL STEWART B-30 Test No. 2

Well Number B-30 Zone Tested BEAR ROCK

Company CANDEL OIL LTD. Interval 6905.0 TO 7080.0

Comp. Rep. D. NELSON Tester MR. BUDVARSON Date MARCH 18, 1972

Type of Test DUAL STRADDLE CONV. RFS Tool No.

Preflow 10.0 mins. ISI 33.0 mins. Flow 120.0 mins. FSI 236.0 mins.

	OUT REC. No. 2011	BOT REC. No. 1875	OUT REC. No. 3958
	5500 RANGE 12 HR. CLOCK	5600 RANGE 24 HR. CLOCK	6500 RANGE 12 HR. CLOCK
DEPTH	6923.0	7108.0	6928.0
Initial Hydro-Mud Press	3325.1	3410.2	3320.2
Initial Shut-In Press	2563.2		2564.2
Initial Flow Press	131.3		131.4
Final Flow Press	396.6		399.6
Final Shut-In Press	2563.2		2567.4
Final Hydro Mud Press	3308.5	3392.0	3297.4

Mud Drop NIL Fluid Loss 8.60 Mud Weight 9.4

Viscosity 43.0 Temperature °F 144.0 Net Pay Tested 20.0

Top Packer Depth 6905.0 Bottom Packer Depth 7080.0 Total Depth 7384.0

Drill Pipe Size 4.5 FH Wt. 16.6 Drill Collar I.D. 2.875 Ft. Run 628.00

Surface Choke Size CLOSED Bottom Choke Size 0.75 Main Hole Size 8.750

Anchor Size 4.75 OD Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet 810.0

Recovered 540 Feet of MUDDY WATER

Recovered 270 Feet of WATER CUT DRILLING MUD

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe IMMEDIATELY

REMARKS: VERY WEAK AIR BLOW ON PREFLOW. VERY WEAK AIR BLOW DURING INITIAL FLOW, SLIGHTLY INCREASING AND REMAINING CONSTANT THROUGHOUT FLOW PERIOD.

NO CALCULATIONS DONE—RESEVOIR PRESSURE STABILIZED.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 18 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

	ID	OD	LENGTH	
4S LANDING SUB				
4S CHAMBER				
4S TOOL OR P.O. SUB			1.00	90' ABOVE JOHNSTON M.F.E. TOOL
CO SUB				
SHUT IN TOOL		4¾		
R.F.S. No.	2¼	4¾		
R.F.S. No.	2¼	4¾		
HYDRAULIC TOOL JOHNSTON M.F.E.		4¾	21.10	90' ABOVE BJ TOOL
JARS JOHNSTON	1	4¾	7.80	90' ABOVE BJ TOOL
RECORDER No.	2¼	4¾		DEPTH
RECORDER No.	2¼	4¾		DEPTH
SAFETY JOINT	2 11/16	4¾	1.75	
BY PASS SUB	1 5/32	4¾		
1. PACKER DEPTH 6899 — PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 6905 — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 42.65
ANCHOR—SPECIFY	2½		1.00	
PERFS			16.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾		
RECORDER No. 2011	2¼	4¾	5.00	DEPTH 6923
" " 3958			1.00	" 6928
D. COLLAR, CO & SUB			149.00	
3. PACKER DEPTH 7080 — PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 175.00
			3.00	
4. PACKER DEPTH 7086 — PACKER	1 OR ⅞		6.00	
ANCHOR—SPECIFY	2½			
PERFS			17.50	
RECORDER No 1875	2¼	4¾	1.00	DEPTH 7108
D.C., CO SUB			274.00	
TOTAL DEPTH 7384 — BULLNOSE	2¾	4¾	2.50	TOTAL TAIL PIPE 304.00
				TOTAL TEST TOOL 95.65

WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS

HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

B

WELL NAME CANDEL DCLRI ET AL STEWART B-30 DST. NO. 2

LOCATION B-30 REC. NO. 2011 DEPTH 6923.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	132.0	3325.1
INITIAL HYDRO PRESSURE	3	173.0	3325.1
INITIAL PREFLOW PRESSURE	4	173.0	89.4
	5	178.0	111.7
FINAL PREFLOW PRESSURE	6	183.0	124.3
START INITIAL SHUT-IN	7	183.0	124.3
	8	188.0	2546.7
	9	193.0	2559.1
	10	198.0	2561.8
	11	203.0	2563.2
	12	208.0	2563.2
	13	213.0	2563.2
INITIAL SHUT-IN PRESSURE	14	216.0	2563.2
START FLOW PERIOD	15	216.0	2563.2
INITIAL FLOW PRESSURE	16	217.0	131.3
	17	221.0	139.7
	18	226.0	152.2
	19	236.0	171.8
	20	246.0	194.1
	21	256.0	216.5
	22	266.0	240.2
	23	276.0	261.2
	24	286.0	283.5
	25	296.0	305.9
	26	306.0	328.2
	27	316.0	350.6
	28	326.0	372.9
FINAL FLOW PRESSURE	29	336.0	396.6
START FINAL SHUT-IN	30	336.0	396.6
	31	341.0	2531.6
	32	346.0	2549.5
	33	356.0	2557.7

WELL NAME CANDEL DCLRI ET AL STEWART B-30 DST. NO. 2

LOCATION B-30 REC. NO. 2011 DEPTH 6923.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
	34	366.0	2560.4
	35	376.0	2563.2
	36	386.0	2563.2
	37	396.0	2563.2
	38	406.0	2563.2
	39	416.0	2563.2
	40	426.0	2563.2
	41	436.0	2563.2
	42	446.0	2563.2
	43	456.0	2563.2
	44	466.0	2563.2
	45	476.0	2563.2
	46	486.0	2563.2
	47	496.0	2563.2
	48	506.0	2563.2
	49	516.0	2563.2
	50	526.0	2563.2
	51	536.0	2563.2
	52	546.0	2563.2
	53	556.0	2563.2
	54	566.0	2563.2
FINAL SHUT-IN PRESSURE	55	572.0	2563.2
RUN OUT OF HOLE	56	572.0	2563.2
FINAL HYDRO PRESSURE	57	573.0	3308.5
	58	575.0	3308.5
OUT OF HOLE	59	576.0	0.0

WELL NAME CANDEL DOLRI ET AL STEWART B-30 TST. NO. 2

LOCATION B-30 REC. NO. 2011 DEPTH 6923.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2570.1
NO. OF POINTS CONSIDERED IN BUILD-UP	7
NO. OF POINTS USED IN EXTRAPOLATION	7
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI).....	1.64
EFFECTIVE PRODUCING TIME (MIN)	10.0

WELL NAME CANDEL DCLRI ET AL STEWART B-30 DST. NO. 2

LOCATION B-30 REC. NO. 2011 DEPTH 6923.

DATA FOR BUILD-UP PLOT (FIRST SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
POINTS USED IN EXTRAPOLATION					
8	5.0	2546.7	2548.6	1.9	3.00
9	10.0	2559.1	2556.5	-2.5	2.00
10	15.0	2561.8	2560.1	-1.7	1.67
11	20.0	2563.2	2562.2	-1.0	1.50
12	25.0	2563.2	2563.5	0.3	1.40
13	30.0	2563.2	2564.5	1.3	1.33
14	33.0	2563.2	2564.9	1.7	1.30

WELL NAME CANDEL DCLRI ET AL STEWART B-30 DST. NO. 2

LOCATION B-30 REC. NO. 2011 DEPTH 6923.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2563.7
NO. OF POINTS CONSIDERED IN BUILD-UP	21
NO. OF POINTS USED IN EXTRAPOLATION	4
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.02
EFFECTIVE PRODUCING TIME (MIN)	130.0

WELL NAME CANDEL DCLRI ET AL STEWART B-30 DST. NO. 2

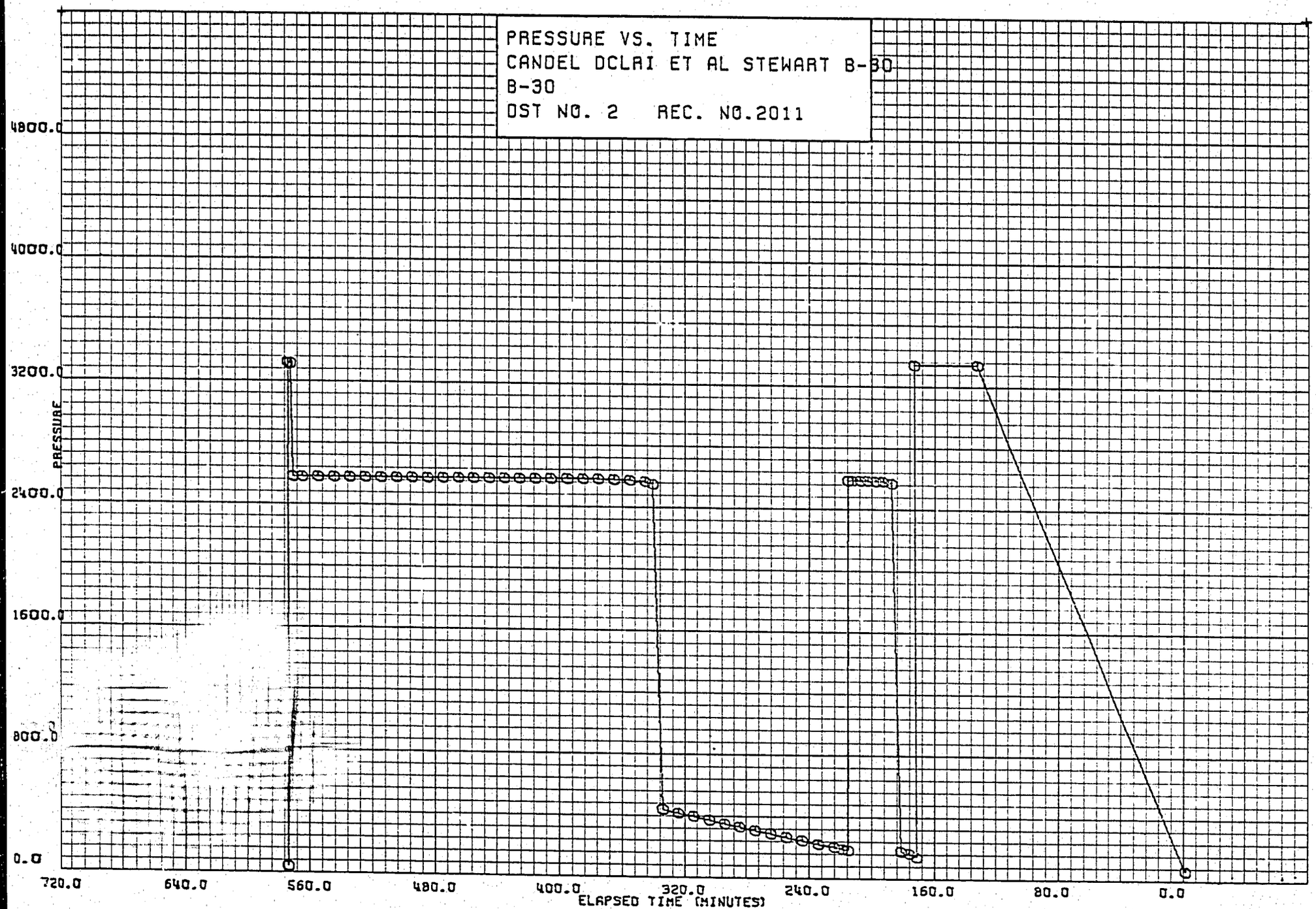
LOCATION B-30 REC. NO. 2011 DEPTH 6923.

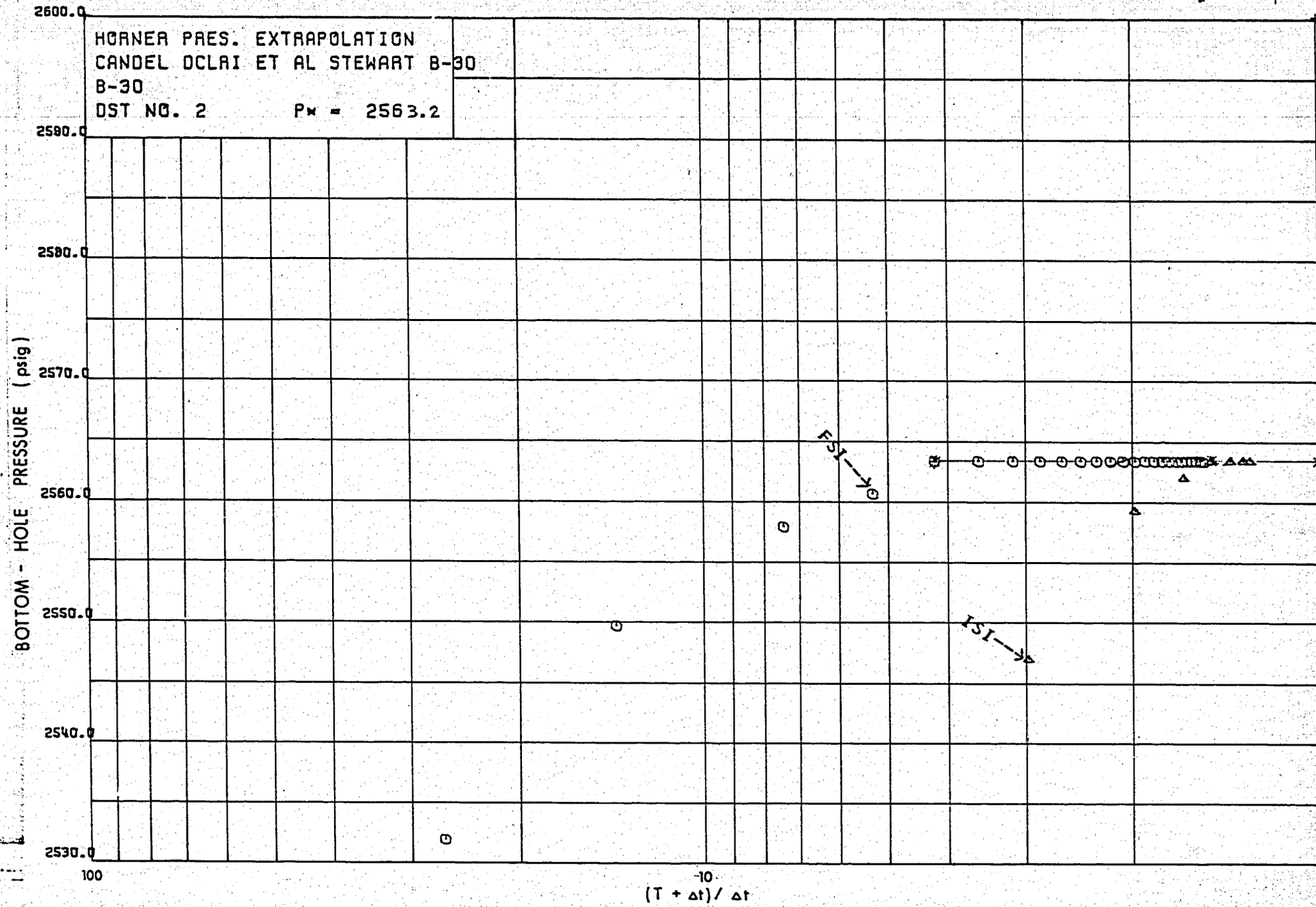
DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
EARLY POINTS NOT CONSIDERED					
31	5.0	2531.6			27.00
32	10.0	2549.5			14.00
33	20.0	2557.7			7.50
34	30.0	2560.4			5.33
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
35	40.0	2563.2			4.25
36	50.0	2563.2			3.60
37	60.0	2563.2			3.17
38	70.0	2563.2			2.86
39	80.0	2563.2			2.62
40	90.0	2563.2			2.44
41	100.0	2563.2			2.30
42	110.0	2563.2			2.18
43	120.0	2563.2			2.08
44	130.0	2563.2			2.00
45	140.0	2563.2			1.93
46	150.0	2563.2			1.87
47	160.0	2563.2			1.81
48	170.0	2563.2			1.76
49	180.0	2563.2			1.72
50	190.0	2563.2			1.68
51	200.0	2563.2			1.65
POINTS USED IN EXTRAPOLATION					
52	210.0	2563.2	2563.2	-0.0	1.62
53	220.0	2563.2	2563.2	-0.0	1.59
54	230.0	2563.2	2563.2	0.0	1.57
55	236.0	2563.2	2563.2	0.0	1.55

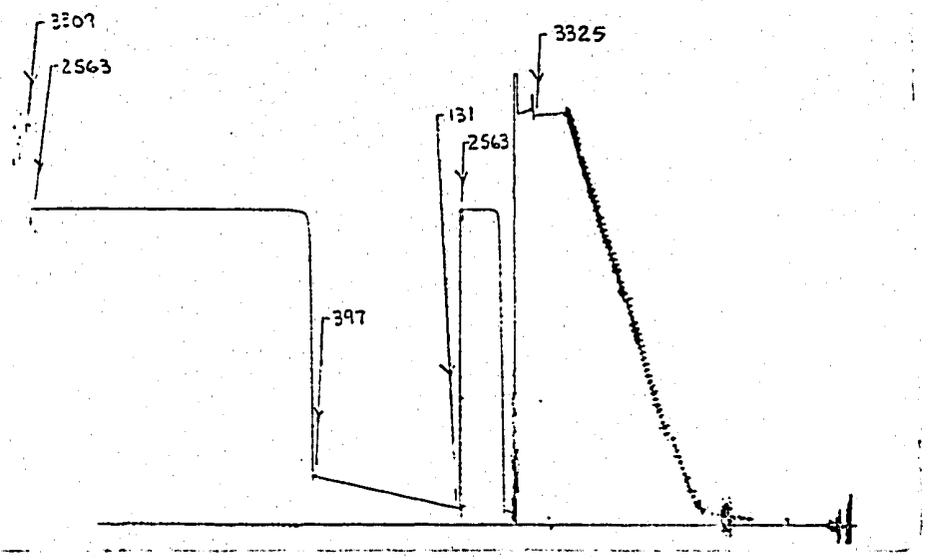
ASSUMPTIONS AND LIMITATIONS

THE ENCLOSED DST INTERPRETATION CALCULATIONS REQUIRE SEVERAL NECESSARY ASSUMPTIONS TO PROVIDE A QUICK ESTIMATE OF MANY OF THE FACTORS INVOLVED. AS A RESULT THE INFORMATION GAINED SHOULD BE USED TO FORM AN OPINION OR ESTIMATE ONLY, UNTIL THE ASSUMPTIONS OF RESERVOIR AND FLUID PROPERTIES CAN BE WHOLLY OR PARTIALLY CLARIFIED BY MORE COMPLETE ANALYSIS AND TESTING.


PRESSURE VS. TIME
CANDEL DCLRI ET AL STEWART B-30
B-30
DST NO. 2 REC. NO.2011
4800.0
4000.0
3200.0
2400.0
1600.0
800.0
0.0
PRESSURE
720.0
640.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

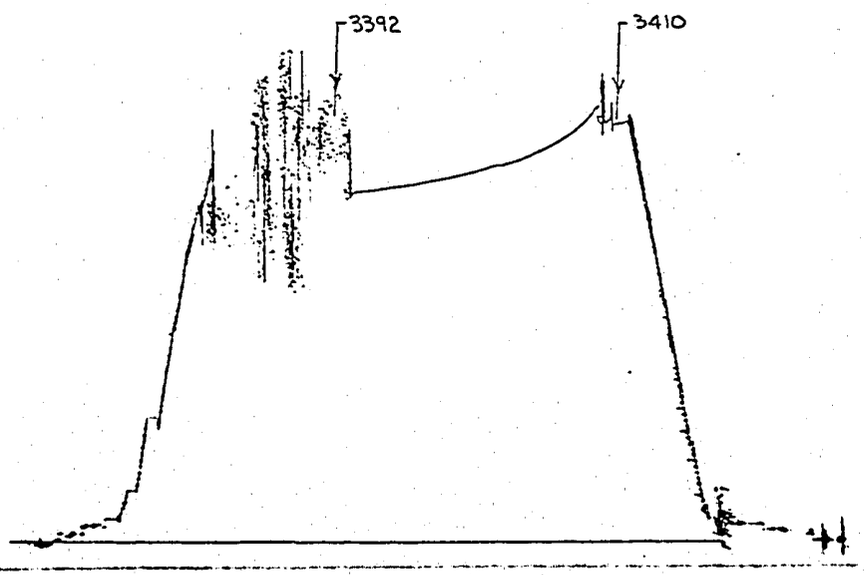

HORNER PRES. EXTRAPOLATION
CANDEL OCLAI ET AL STEWART B-30
B-30
DST NO. 2 Px = 2563.2
2600.0
2590.0
2580.0
2570.0
2560.0
2550.0
2540.0
2530.0
BOTTOM - HOLE PRESSURE (psig)
FSI
ISI
100
10
1
(T + Δt) / Δt

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 6905 - 7080
DST NO. 2 REC. NO. 2011

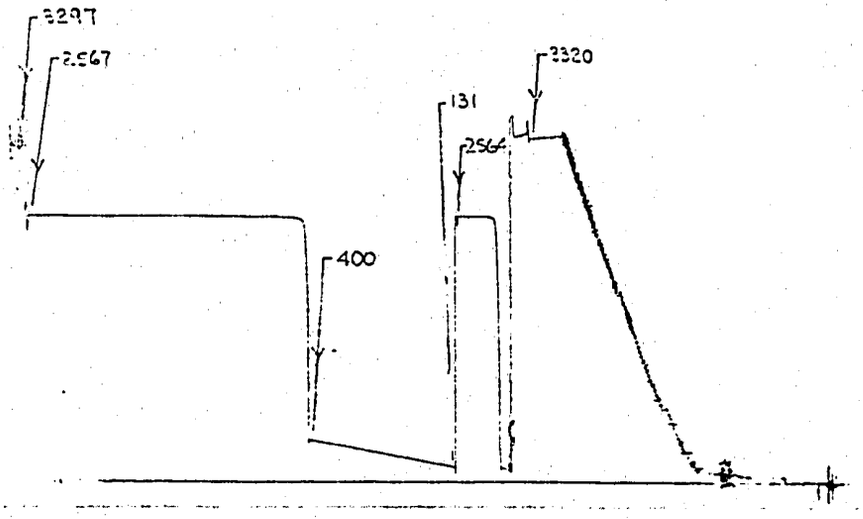


DST RECORDER CHARTS

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 6905 - 7080
DST NO. 2 REC. NO. 1875



CANDEL DCLRI ET AL STEWART B-30
INTERVAL 6905 - 7080
DST NO. 2 REC. NO. 3958



DST RECORDER CHARTS

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DCLRI ET AL

STEWART B-30

TEST # 3

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DCLRI ET AL STEWART	Test No. 3
Well Number B-30	Zone Tested
Company CANDEL OIL LTD.	Interval
Comp. Rep. HADDOW & NELSON Tester MR. BUDVARSON	Date

Type of Test DUAL STRADDLE BY PASS R F S Tool No. 19 (DRAINED)

Preflow 10.0 mins. ISI 30.0 mins. Flow 120.0 mins. FSI 240.0 mins.

	IN REC. No. 2011 5500 RANGE 12 HR. CLOCK	OUT REC. No. 1875 5600 RANGE 12 HR. CLOCK	BTM REC. No. 3958 6500 RANGE 24 HR. CLOCK
DEPTH	7621.0	7675.0	8181.0
Initial Hydro Mud Press	3674.9	3701.5	
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	3674.9	3701.5	

Mud Drop NIL Fluid Loss Mud Weight 9.5

Viscosity 130.0 Temperature °F 164.0 Net Pay Tested

Top Packer Depth 7640.0 Bottom Packer Depth 8160.0 Total Depth 9671.0

Drill Pipe Size 4.5 EH Wt. 16.6 Drill Collar I.D. 2.875 Ft. Run 568.00

Surface Choke Size CLOSED Bottom Choke Size 0.75 Main Hole Size 8.750

Anchor Size 4.75 OD Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet 30.0

Recovered 30 Feet of DRILLING MUD

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe 40 MINUTES

REMARKS: VERY WEAK AIR BLOW ON PREFLOW. VERY WEAK AIR BLOW ON INITIAL FLOW - DEAD IN 40 MINUTES. DECLARED MISRUN DUE TO A PLUGGED TOOL. NO CLEAN OUT TRIP AFTER TWO DAYS LOGGING.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 18 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

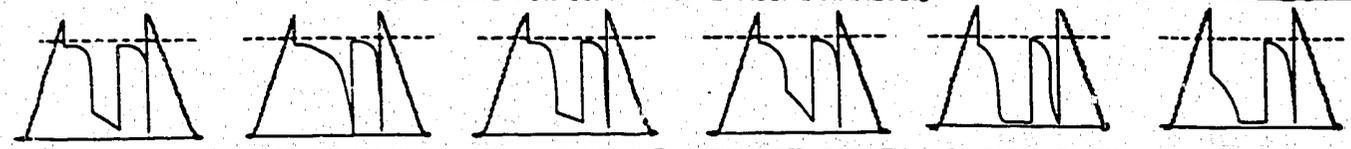
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

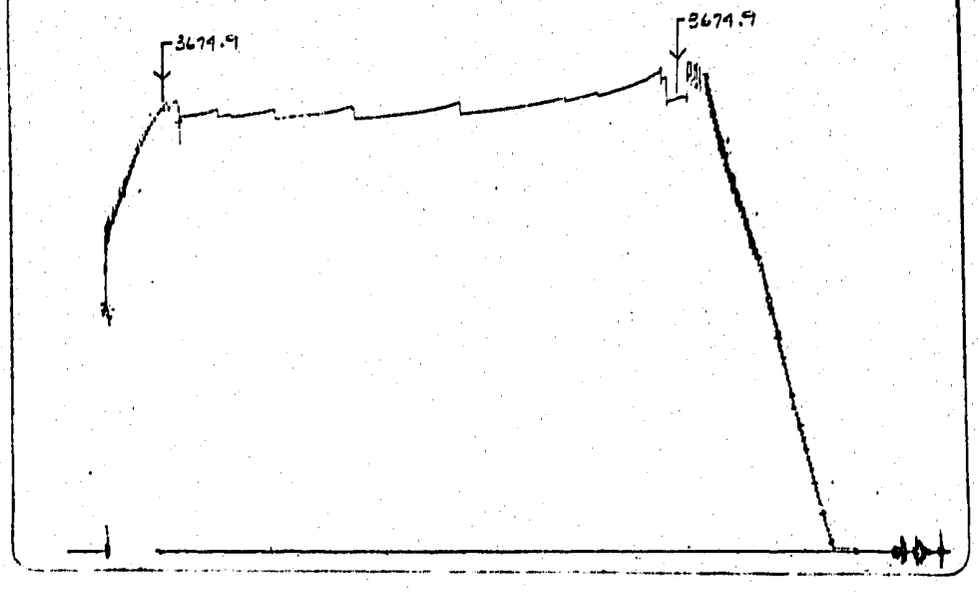
	ID	OD	LENGTH	
4S LANDING SUB				
4S CHAMBER				
4S TOOL OR P.O. SUB			1.00	30 FT ABOVE TOOL
CO SUB			1.00	
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 19	2¼	4¾	3.35	
R.F.S. No. (DRAINED)	2¼	4¾		
HYDRAULIC TOOL		4¾	7.15	
JARS JOHNSTON	1	4¾	7.80	31 FT ABOVE TOOL
RECORDER No. 2011	2¼	4¾	5.00	DEPTH 7621
RECORDER No.	2¼	4¾		DEPTH
SAFETY JOINT	2 11/16	4¾	1.75	
BY PASS SUB	1 5/32	4¾	1.00	
1. PACKER DEPTH — PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 44.00
ANCHOR—SPECIFY	2½		1.00	
PERFS			32.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
RECORDER No. 1875	2¼	4¾	1.00	DEPTH 7675
DRILL COLLARS			481.00	
C.O. SUB			1.00	
3. PACKER DEPTH — PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 520.00
			3.00	
4. PACKER DEPTH — PACKER	1 OR ⅞		6.00	
ANCHOR—SPECIFY	2½			
PERFS			6.00	
RECORDER No 3958	2¼	4¾	5.00	DEPTH 8180
DRILL PIPE			1487.00	
C.O. SUB			1.00	
TOTAL DEPTH — BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 1511.00
				TOTAL TEST TOOL 107.00

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



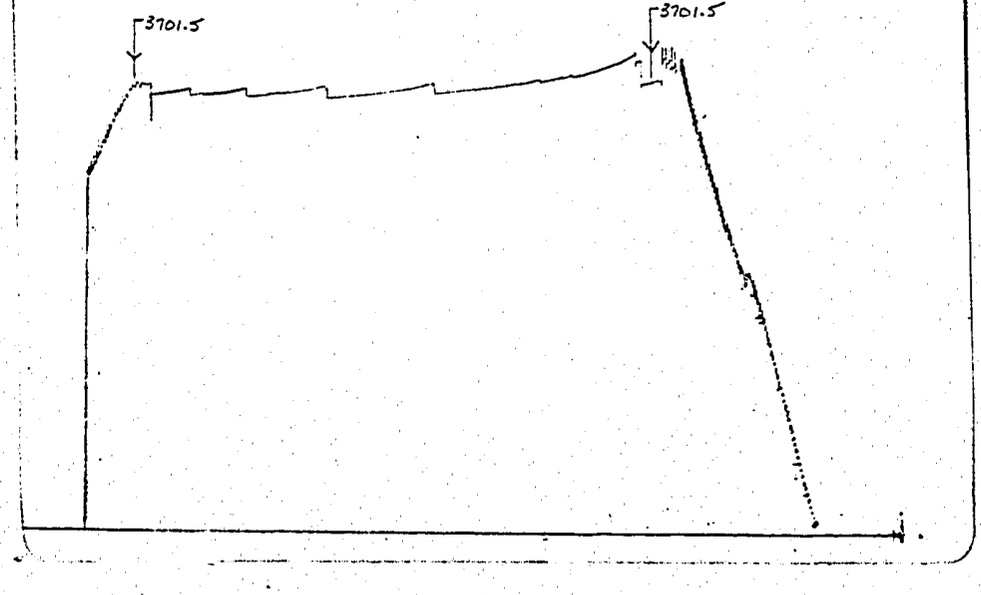
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

CANDEL DCLRI ET AL STEWART B-30
DST NO. 3
REC. NO. 2011



DST RECORDER CHARTS

CANDEL DCLRI ET AL STEWART B-30
DST NO. 3
REC. NO. 1875



BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DCLRI ET AL

STEWART B-30

Test # 4

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name **CANDEL DCLRI ET AL STEWART** Test No. **4**

Well Number **B-30** Zone Tested

Company **CANDEL OIL LTD.** Interval **8250.0 TO 8500.0**

Comp. Rep. **BROWN & NELSON** Tester **MR BUDVARSON** Date **APRIL 5, 1972**

Type of Test **DUAL STRADDLE BY-PASS** R F S Tool No. **19**

Preflow **8.0** mins. ISI **37.0** mins. Flow **118.0** mins. FSI **157.0** mins.

	IN REC. No. 2011	OUT REC. No. 1875	BTM REC. No. 3958
	5500 RANGE 12 HR. CLOCK	5600 RANGE 12 HR. CLOCK	6500 RANGE 24 HR. CLOCK
DEPTH	8231.0	8285.0	8532.0
Initial Hydro Mud Press	3986.2	4029.1	4154.6
Initial Shut-In Press	3158.4	3176.1	
Initial Flow Press	514.0	624.7	
Final Flow Press	3157.0	3180.4	
Final Shut-In Press	3161.2	3190.3	
Final Hydro Mud Press			4154.6

Mud Drop **NIL** Fluid Loss Mud Weight **9.0**

Viscosity **45.0** Temperature °F **164.0** Net Pay Tested

Top Packer Depth **8250.0** Bottom Packer Depth **8500.0** Total Depth **9671.0**

Drill Pipe Size **4.5 EH** Wt. **16.6** Drill Collar I.D. **2.875** Ft. Run **568.00**

Surface Choke Size **CLOSED** Bottom Choke Size **0.75** Main Hole Size **8.750**

Anchor Size **4.75 OD** Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size **7.5**

Fluid Recovery Total Feet **940.0**

Recovered **940** Feet of **SALT WATER**

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe **110 MINUTES**

REMARKS: **STRONG BLOW DURING PREFLOW. STRONG BLOW ON INITIAL FLOW, SLOWLY DECREASING UNTIL DEAD IN 110 MINUTES.**

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 18 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

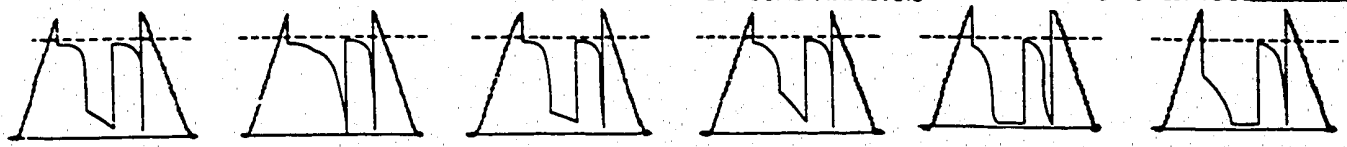
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

	ID	OD	LENGTH	
4S LANDING SUB				
4S CHAMBER				
4S TOOL OR P.O. SUB			1.00	60 FT ABOVE TOOL
CO SUB			1.00	
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 19	2¼	4¾	3.35	
R.F.S. No.	2¼	4¾		
HYDRAULIC TOOL		4¾	7.15	
JARS JOHNSTON	1	4¾	7.80	62 FT ABOVE TOOL
RECORDER No. 2011	2¼	4¾	5.00	DEPTH 8231
RECORDER No.	2¼	4¾		DEPTH
SAFETY JOINT	2 11/16	4¾	1.75	
BY PASS SUB	1 5/32	4¾	1.00	
1. PACKER DEPTH 8244 — PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 8250 — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 44.00
ANCHOR—SPECIFY	2½		1.00	
PERFS			32.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
RECORDER No. 1875	2¼	4¾	1.00	DEPTH 8285
C.O. SUB			1.00	
DRILL COLLARS			211.00	
3. PACKER DEPTH 8500 — PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 250.00
			3.00	
4. PACKER DEPTH 8506 — PACKER	1 OR ⅞		6.00	
ANCHOR—SPECIFY	2½			
PERFS			23.00	
RECORDER No 3958	2¼	4¾	5.00	DEPTH 8582
DRILL PIPE			1130.00	
C.O. SUB			1.00	
TOTAL DEPTH 9671 — BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 1171.00
				TOTAL TEST TOOL 124.00

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

WELL NAME CANDEL OCLRI ET AL STEWART DST. NO. 4

LOCATION 8-30 REC. NO. 1875 DEPTH 8285.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	313.0	4029.1
INITIAL HYDRO PRESSURE	3	351.0	4029.1
INITIAL PREFLOW PRESSURE	4	351.0	438.4
	5	356.0	567.1
FINAL PREFLOW PRESSURE	6	359.0	698.6
START INITIAL SHUT-IN	7	359.0	698.6
	8	360.0	3166.2
	9	364.0	3176.1
	10	369.0	3176.1
	11	374.0	3176.1
	12	379.0	3176.1
	13	384.0	3176.1
	14	389.0	3176.1
INITIAL SHUT-IN PRESSURE	15	396.0	3176.1
START FLOW PERIOD	16	396.0	3176.1
INITIAL FLOW PRESSURE	17	397.0	624.7
	18	399.0	694.5
	19	401.0	3170.5
	20	406.0	3177.6
	21	411.0	3177.6
	22	416.0	3177.6
	23	421.0	3177.6
	24	426.0	3177.6
	25	431.0	3177.6
	26	436.0	3177.6
	27	441.0	3179.0
	28	446.0	3179.0
	29	451.0	3179.0
	30	456.0	3179.0
	31	461.0	3179.0
	32	466.0	3179.0
	33	471.0	3179.0
	34	476.0	3179.0
	35	481.0	3180.4

WELL NAME CANDEL OCLRI ET AL STEWART DST. NO. 4

LOCATION B-30 REC. NO. 1875 DEPTH 8285.

MEASURED PRESSURES

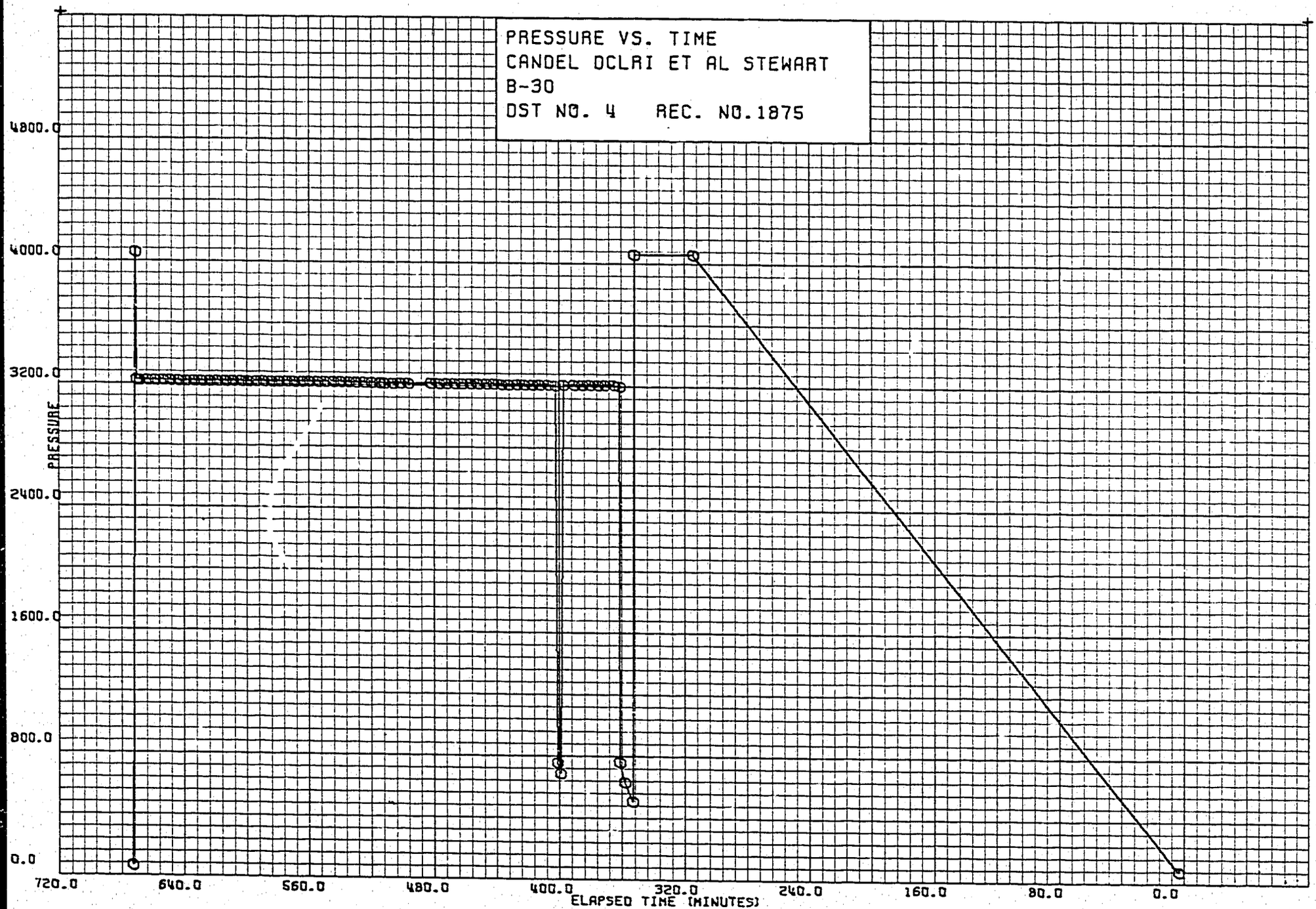
	POINT NUMBER	TIME MIN	PRESSURE PSIG
	36	496.0	3180.4
	37	501.0	3180.4
	38	506.0	3180.4
	39	511.0	3180.4
FINAL FLOW PRESSURE	40	514.0	3180.4
START FINAL SHUT-IN	41	514.0	3180.4
	42	519.0	3184.7
	43	524.0	3184.7
	44	529.0	3184.7
	45	534.0	3187.5
	46	539.0	3187.5
	47	544.0	3187.5
	48	549.0	3187.5
	49	554.0	3187.5
	50	559.0	3187.5
	51	564.0	3187.5
	52	569.0	3187.5
	53	574.0	3187.5
	54	579.0	3187.5
	55	584.0	3187.5
	56	589.0	3187.5
	57	594.0	3188.9
	58	599.0	3188.9
	59	604.0	3188.9
	60	609.0	3188.9
	61	614.0	3188.9
	62	619.0	3188.9
	63	624.0	3188.9
	64	629.0	3188.9
	65	634.0	3188.9
	66	639.0	3188.9
	67	644.0	3190.3
	68	649.0	3190.3
	69	654.0	3190.3
	70	659.0	3190.3
	71	664.0	3190.3
	72	669.0	3190.3
FINAL SHUT IN PRESSURE	73	671.0	3190.3
CLOCK RAN OUT	74	671.0	3190.3

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 4

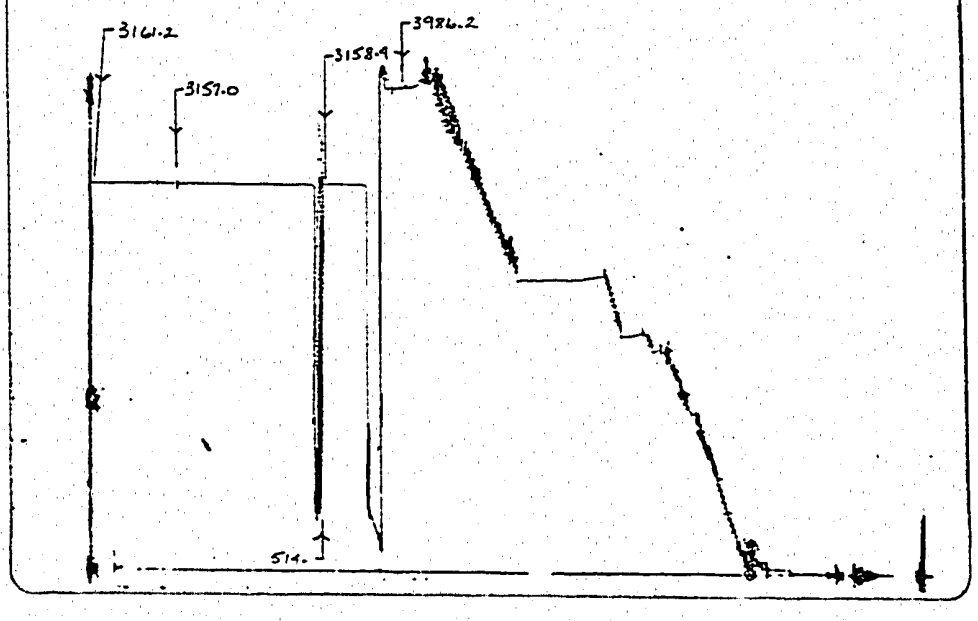
LOCATION B-30 REC. NO. 1875 DEPTH 8285.

MEASURED PRESSURES

POINT NUMBER	TIME MIN	PRESSURE PSIG
75	672.0	4029.1
76	673.0	0.0

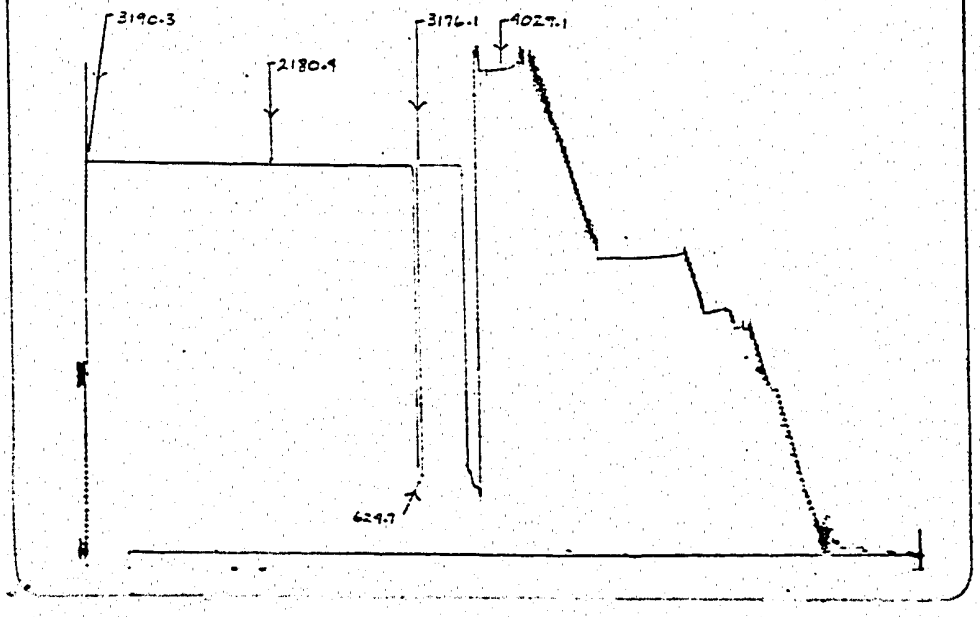

PRESSURE VS. TIME
CANDEL OCLRI ET AL STEWART
B-30
DST NO. 4 REC. NO.1875
4800.0
4000.0
3200.0
2400.0
1600.0
800.0
0.0
PRESSURE
720.0
640.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 8250 - 8500
DST NO. 4 REC. NO. 2011

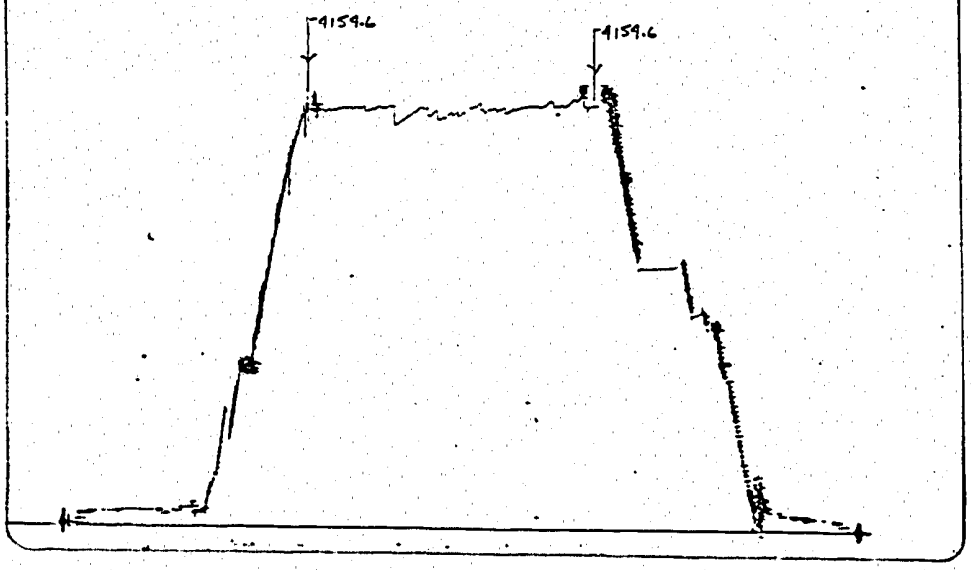


DST RECORDER CHARTS

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 8250 - 8500
DST NO. 4 REC. NO. 1875



CANDEL DCLRI ET AL STEWART B-30
INTERVAL 8250 - 8500
DST NO. 4 REC. NO. 3958



DST RECORDER CHARTS

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DCLRI ET AL

STEWART B-30

TEST # 5

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DCLRI ET AL STEWART Test No. 5

Well Number B-30 Zone Tested CRET. UPPER SND.

Company CANDEL OIL LTD. Interval 3608.0 TO 3800.0

Comp. Rep. P. BROWN Tester MR. BUDVARSON Date APRIL 7&8/72

Type of Test DUAL BOTTOM HOLE RFS Tool No. 19

Preflow 5.0 mins. ISI 30.0 mins. Flow 234.0 mins. FSI 129.0 mins.

	IN REC. No. 2011 5500 RANGE 12 HR. CLOCK	OUT REC. No. 1875 5600 RANGE 12 HR. CLOCK	OUT REC. No. 3958 6500 RANGE 12 HR. CLOCK
DEPTH	3590.0	3634.0	3639.0
Initial Hydro Mud Press	1691.8	1718.5	1699.3
Initial Shut-In Press	1094.5	1105.6	1119.2
Initial Flow Press	736.0	762.1	785.6
Final Flow Press	1093.2	1109.7	1124.2
Final Shut-In Press	1095.9	1117.9	1124.2
Final Hydro Mud Press	1691.8	1718.5	1699.3

Mud Drop 20" Fluid Loss Mud Weight 9.0

Viscosity 32.0 Temperature °F 118.0 Net Pay Tested 60.0

Top Packer Depth 3602.0 Bottom Packer Depth 3608.0 Total Depth 3800.0

Drill Pipe Size 4.5 EH Wt. 16.6 Drill Collar I.D. 2.875 Ft. Run 361.00

Surface Choke Size CLOSED Bottom Choke Size 0.75 Main Hole Size 8.750

Anchor Size 4.75 OD Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet 2280.0

Recovered 620 Feet of SLIGHTLY GAS CUT DRILLING MUD AND WATER

Recovered 1660 Feet of SLIGHTLY GAS CUT WATER

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Riser size:

mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day
mins.	Temp. °F	Press Rdg.	psi	Orifice Size	=	MCF/Day

Bleed Off Time for Drill Pipe 65 MINUTES

REMARKS: STRONG BLOW ON PREFLOW. STRONG BLOW ON INITIAL FLOW- SLOWLY DECREASING UNTIL DEAD IN 65 MINUTES.

NO CALCULATIONS DONE - RESERVOIR PRESSURE STABILIZED.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 18 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMI · DEVELOPMENT BRANCH

A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

		ID	OD	LENGTH	
	4S LANDING SUB				
	4S CHAMBER				
	4S TOOL OR P.O. SUB			1.00	29 FT. ABOVE TOOL
	CO SUB			1.00	
WEIGHT INDICATER READING					
PRIOR TO SETTING PACKERS	SHUT IN TOOL		4¾	5.20	
	R.F.S. No. 19	2¼	4¾	3.35	
AFTER PULL PACKERS LOOSE	R.F.S. No.	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.15	
	JARS JOHNSTON	1	4¾	7.80	30 FT. ABOVE TOOL
	RECORDER No. 2011	2¼	4¾	5.00	DEPTH 3590
	RECORDER No.	2¼	4¾		DEPTH
	SAFETY JOINT	2 11/16	4¾	1.75	
	BY PASS SUB	1 5/32	4¾		
1. PACKER DEPTH 3602	PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 3608	PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 43.00
	ANCHOR—SPECIFY	2½		1.00	
	PERFS			25.00	
	BLANK OFF OR BY PASS SUB	1 5/32	4¾		
	RECORDER No. 1875	2¼	4¾	5.00	DEPTH 3634
	" 3958			1.00	" 3639
3. PACKER DEPTH	PACKER	1 OR ⅞			TOTAL INTERVAL 192.00
4. PACKER DEPTH	PACKER	1 OR ⅞			
	ANCHOR—SPECIFY	2½			
	C.O. SUB			1.00	
	RECORDER No	2¼	4¾		DEPTH
	DRILL COLLARS			151.00	
	PERFS			5.00	
TOTAL DEPTH	BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE
					TOTAL TEST TOOL 84.00

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS

HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 5

LOCATION B-30 REC. NO. 2011 DEPTH 3590.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	84.0	1691.8
INITIAL HYDRO PRESSURE	3	142.0	1691.8
INITIAL PREFLOW PRESSURE	4	142.0	636.9
FINAL PREFLOW PRESSURE	5	147.0	676.0
START INITIAL SHUT-IN	6	147.0	676.0
	7	148.0	1054.8
	8	152.0	1078.1
	9	157.0	1087.7
	10	162.0	1090.4
	11	167.0	1093.2
	12	172.0	1094.5
INITIAL SHUT-IN PRESSURE	13	177.0	1094.5
START FLOW PERIOD	14	177.0	1094.5
INITIAL FLOW PRESSURE	15	178.0	736.0
	16	182.0	789.1
	17	187.0	864.5
	18	192.0	921.8
	19	197.0	967.9
	20	207.0	1023.3
	21	217.0	1054.8
	22	227.0	1069.9
	23	237.0	1078.1
	24	247.0	1082.2
	25	257.0	1084.9
	26	267.0	1087.7
	27	277.0	1089.0
	28	287.0	1090.4
	29	297.0	1091.8
	30	307.0	1091.8
	31	317.0	1093.2
	32	327.0	1093.2
	33	337.0	1093.2
	34	347.0	1093.2
	35	357.0	1093.2

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 5

LOCATION 8-30 REC. NO. 2011 DEPTH 3590.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
	36	367.0	1093.2
	37	377.0	1093.2
	38	387.0	1093.2
	39	397.0	1093.2
	40	407.0	1093.2
FINAL FLOW PRESSURE	41	411.0	1093.2
START FINAL SHUT-IN	42	411.0	1093.2
	43	416.0	1095.9
	44	421.0	1095.9
	45	431.0	1095.9
	46	441.0	1095.9
	47	451.0	1095.9
	48	461.0	1095.9
	49	471.0	1095.9
	50	481.0	1095.9
	51	491.0	1095.9
	52	501.0	1095.9
	53	511.0	1095.9
	54	521.0	1095.9
	55	531.0	1095.9
FINAL SHUT-IN PRESSURE	56	540.0	1095.9
RUN OUT OF HOLE	57	540.0	1095.9
FINAL HYDRO PRESSURE	58	541.0	1691.8
	59	557.0	1691.8
OUT OF HOLE	60	669.0	0.0

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 5

LOCATION B-30 REC. NO. 2011 DEPTH 3590.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	1099.8
NO. OF POINTS CONSIDERED IN BUILD-UP	7
NO. OF POINTS USED IN EXTRAPOLATION	6
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.39
EFFECTIVE PRODUCING TIME (MIN)	5.0

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 5

LOCATION B-30 REC. NO. 2011 DEPTH 3590.

DATA FOR BUILD-UP PLOT (FIRST SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
7	1.0	1054.8			6.00
POINTS USED IN EXTRAPOLATION					
8	5.0	1078.1	1078.2	0.2	2.00
9	10.0	1087.7	1087.2	-0.5	1.50
10	15.0	1090.4	1090.9	0.5	1.33
11	20.0	1093.2	1092.9	-0.3	1.25
12	25.0	1094.5	1094.1	-0.4	1.20
13	30.0	1094.5	1095.0	0.5	1.17

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 5

LOCATION B-30 REC. NO. 2011 DEPTH 3590.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	1096.0
NO. OF POINTS CONSIDERED IN BUILD-UP	14
NO. OF POINTS USED IN EXTRAPOLATION	4
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.01
EFFECTIVE PRODUCING TIME (MIN)	239.0

WELL NAME CANDEL DCLRI ET AL STEWART DST. NO. 5

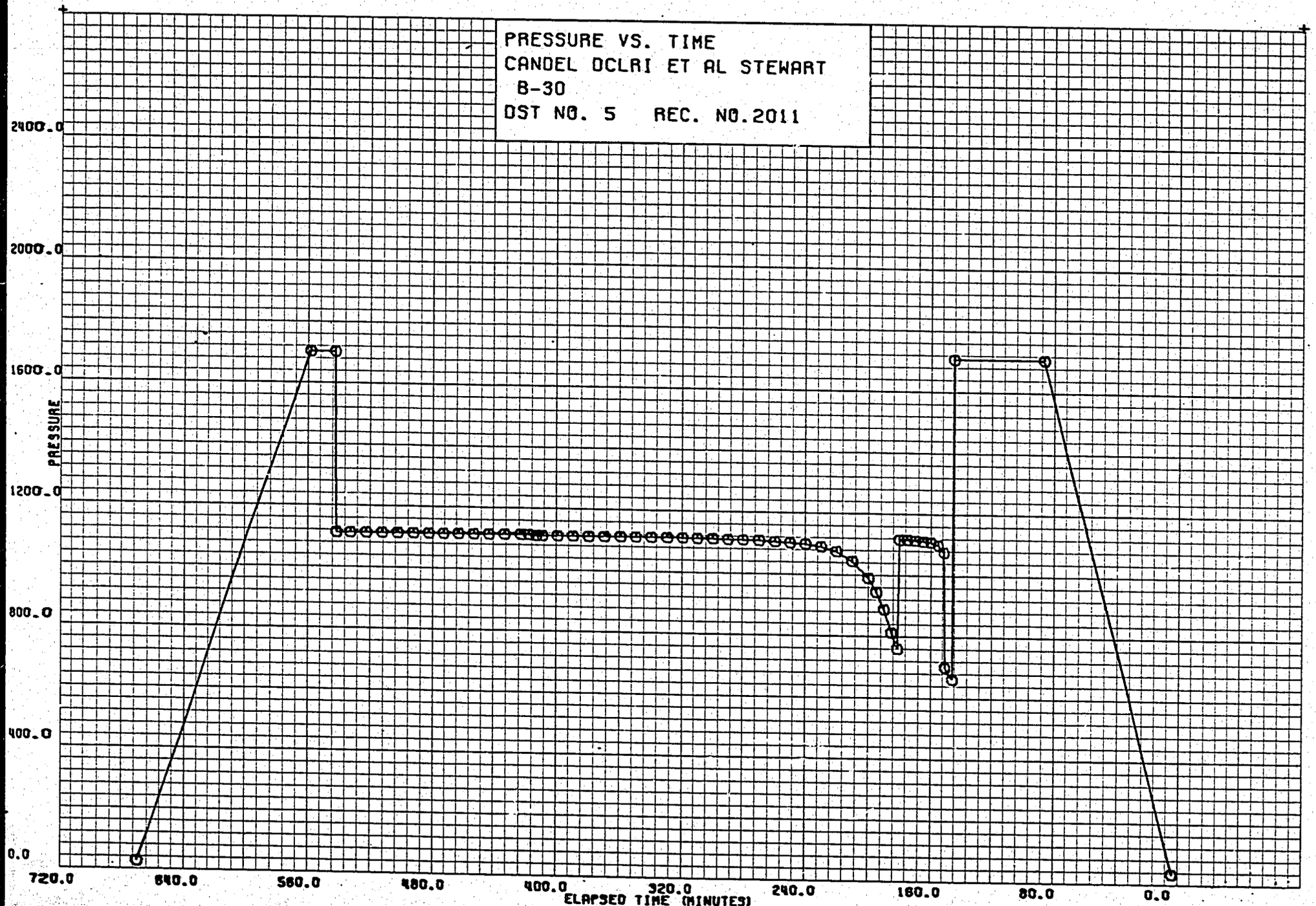
LOCATION B-30 REC. NO. 2011 DEPTH 3590.

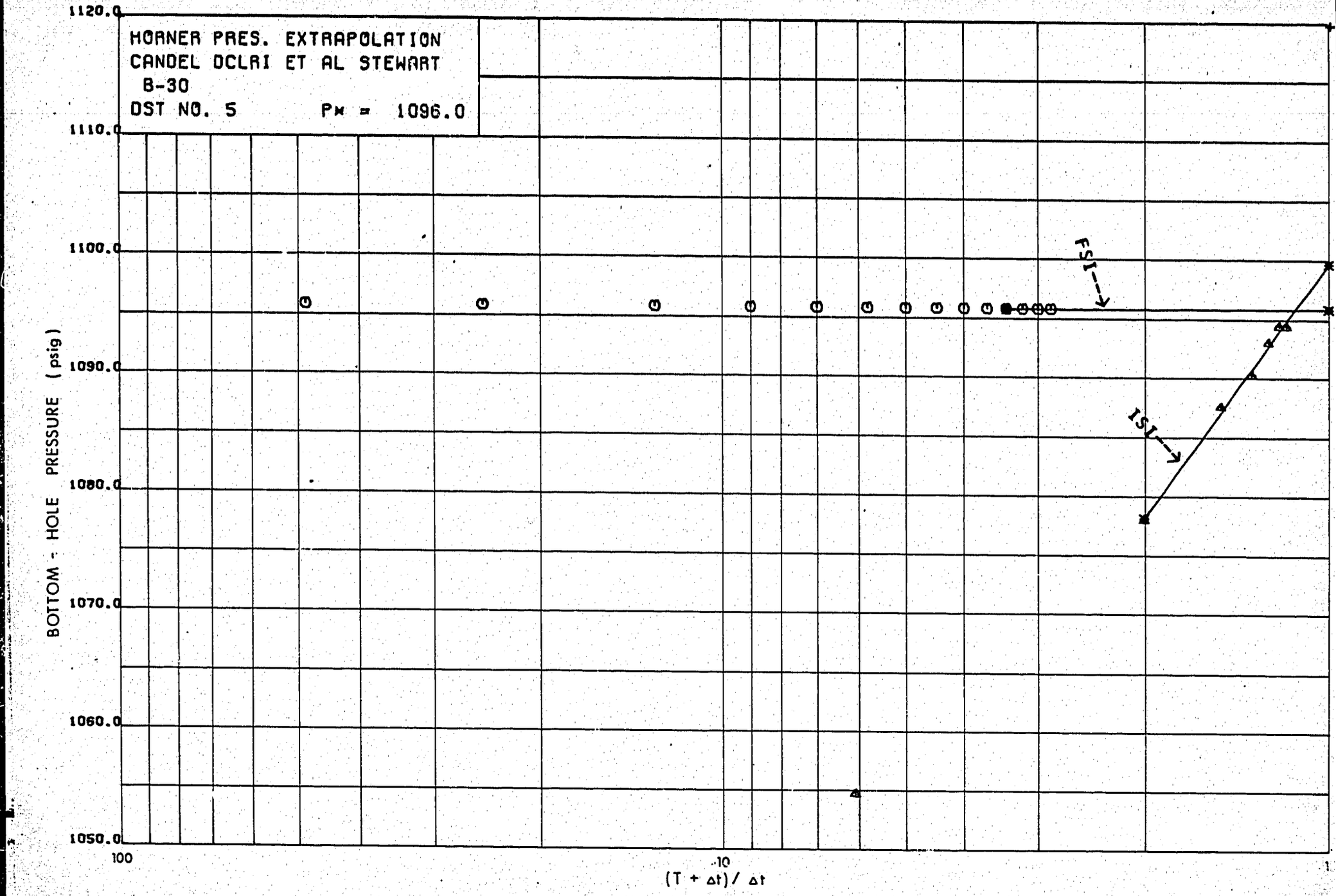
DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
43	5.0	1095.9			48.80
44	10.0	1095.9			24.90
45	20.0	1095.9			12.95
46	30.0	1095.9			8.97
47	40.0	1095.9			6.97
48	50.0	1095.9			5.78
49	60.0	1095.9			4.98
50	70.0	1095.9			4.41
51	80.0	1095.9			3.99
52	90.0	1095.9			3.66
POINTS USED IN EXTRAPOLATION					
53	100.0	1095.9	1095.9	-0.0	3.39
54	110.0	1095.9	1095.9	-0.0	3.17
55	120.0	1095.9	1095.9	0.0	2.99
56	129.0	1095.9	1095.9	0.0	2.85

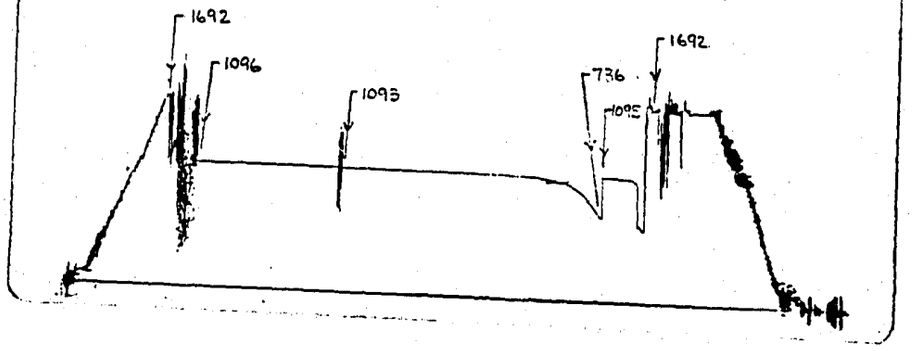
ASSUMPTIONS AND LIMITATIONS

THE ENCLOSED DST INTERPRETATION CALCULATIONS REQUIRE SEVERAL NECESSARY ASSUMPTIONS TO PROVIDE A QUICK ESTIMATE OF MANY OF THE FACTORS INVOLVED. AS A RESULT THE INFORMATION GAINED SHOULD BE USED TO FORM AN OPINION OR ESTIMATE ONLY, UNTIL THE ASSUMPTIONS OF RESERVOIR AND FLUID PROPERTIES CAN BE WHOLLY OR PARTIALLY CLARIFIED BY MORE COMPLETE ANALYSIS AND TESTING.


PRESSURE VS. TIME
CANDEL OCLRI ET AL STEWART
B-30
OST NO. 5 REC. NO.2011
2400.0
2000.0
1600.0
1200.0
800.0
400.0
0.0
PRESSURE
720.0
640.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

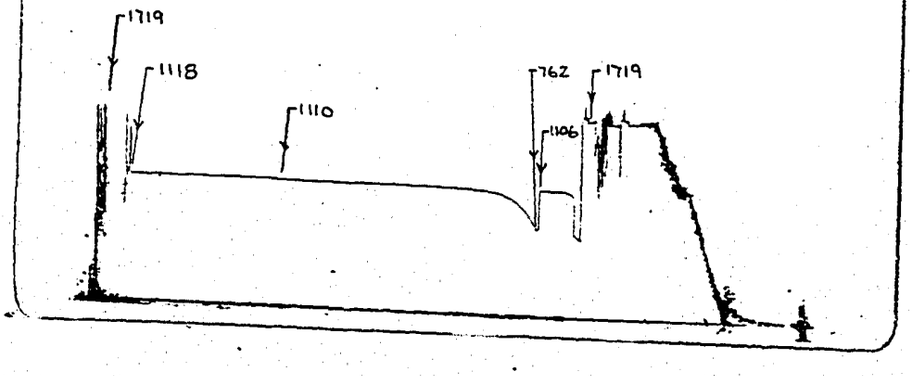

HORNER PRES. EXTRAPOLATION
CANDEL OCLRI ET AL STEWART
B-30
DST NO. 5 Pm = 1096.0
1120.0
1110.0
1100.0
1090.0
1080.0
1070.0
1060.0
1050.0
BOTTOM - HOLE PRESSURE (psig)
100
10
1
(T + Δt) / Δt
FSI
ISI

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 3608 - 3800
DST NO. 5 REC. NO. 2011

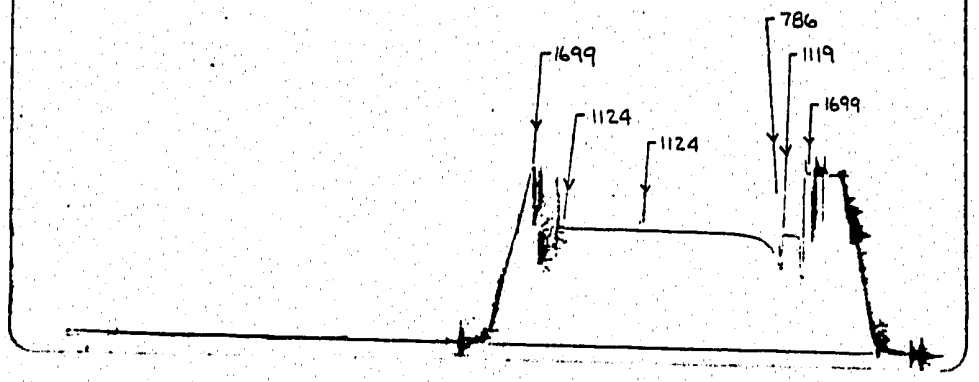


DST RECORDER CHARTS

CANDEL DCLRI ET AL STEWART B-30
INTERVAL 3608 - 3800
DST NO. 5 REC. NO. 1875



CANDEL DCLRI ET AL STEWART B-30
INTERVAL 3608 - 3800
DST NO. 5 REC. NO. 3958



DST RECORDER CHARTS

DAILY DRILLING REPORT

REPORT NO. DATE April 12 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Canadian Delhi	Candel Delhi et al Stewart	B-30			

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING NO. / SIZE

TOOL JOINT O.D. / TYPE THD.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludvikson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Grundah

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			LOAD OUT RIG TO NEW LOCATION

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ray Lestus

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	12 00	4	LOAD OUT AT OLD LOCATION
12 00	6 00	6	CLEAN UP LEASE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Frykas

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			SPOT & LEVEL SUB
			PIN DERRICK & RIG UP.

APPROVED

APPROVED

DAILY DRILLING REPORT

REPORT NO. _____ DATE April 11/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Canadian Delhi	Candel Dedri et al Stewart	B-38			

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D. / TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9			

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsay

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON M. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON M. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. S PAR'EL-P COM'D-C
	STANDS D.P.	FT.	BIT NO.		TIME														
	SINGLES D.P.	FT.	SIZE		WEIGHT														
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC														
	D.C. I.D. O.D.	FT.	TYPE		W.L.-C.C.														
	STB. BODY O.D.	FT.	NOZZLE NO.		FL.TR. CK.														
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH														
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %														
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT														
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED														
		FT.	TOTAL FTG.		TYPE	AMT.	TYPE	AMT.											
	KELLY DOWN	FT.	TOTAL HR. RUN																
	TOTAL	FT.	COND. OF BIT																
WT. OF STRING		LBS.	REAMER NO.																
			REAMER TYPE		DRILLER Bill Gualak														

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 00	12	LOAD OUT RIG

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. S PAR'EL-P COM'D-C
	STANDS D.P.	FT.	BIT NO.		TIME														
	SINGLES D.P.	FT.	SIZE		WEIGHT														
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC														
	D.C. I.D. O.D.	FT.	TYPE		W.L.-C.C.														
	STB. BODY O.D.	FT.	NOZZLE NO.		FL.TR. CK.														
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH														
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %														
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT														
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED														
		FT.	TOTAL FTG.		TYPE	AMT.	TYPE	AMT.											
	KELLY DOWN	FT.	TOTAL HR. RUN																
	TOTAL	FT.	COND. OF BIT																
WT. OF STRING		LBS.	REAMER NO.																
			REAMER TYPE		DRILLER Ray J. Lester														

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 00	12	LOAD OUT RIG

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE FROM	FOOTAGE TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. S PAR'EL-P COM'D-C
	STANDS D.P.	FT.	BIT NO.		TIME														
	SINGLES D.P.	FT.	SIZE		WEIGHT														
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC														
	D.C. I.D. O.D.	FT.	TYPE		W.L.-C.C.														
	STB. BODY O.D.	FT.	NOZZLE NO.		FL.TR. CK														
	STB. BODY O.D.	FT.	NOZZLE SIZE		PH														
	RMR. BODY O.D.	FT.	SER. NO.		SD. CONT. %														
	SUBS O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT														
	BIT OR C.B.	FT.	DEPTH IN		MUD & CHEMICALS ADDED														
		FT.	TOTAL FTG.		TYPE	AMT.	TYPE	AMT.											
	KELLY DOWN	FT.	TOTAL HR. RUN																
	TOTAL	FT.	COND. OF BIT																
WT. OF STRING		LBS.	REAMER NO.																
			REAMER TYPE		DRILLER Dave Frykas														

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			LAY MATTING
			CEMENT CONDUCTOR BARREL IN
			SPREAD SAWDUST 300 SKS
			USED 65 SKS CEMENT FOR CONDUCTOR BARREL

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. | DATE Apr. 10/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL ETAL STEWART B-30	B-30	STEWART LAKE		

CONTRACTOR: Jennings International Drilling, Division of Fancana Industries Ltd. | RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6¼ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindbom

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	14
2.	EMSCO	DA500	14
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Ingram

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			SPREAD SAWDUST ON PAD ON NEW LOCATION (450 SKS SAWDUST)

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Swanlak

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00	12	UNPIN DERRICK LOAD OUT SUB & MATTING & DWRKS. CLEAN UP LOCATION.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER

FOOTAGE FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			CLEAN UP RIG LOCATION

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 55 — DATE APRIL 9

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI ETAL STEWART — WELL NO. B-30 — FIELD OR DIST. STEWART LAKE — COUNTY — STATE W. W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6 1/4 O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Luchuk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NEW	36#	25			1016	790 sks Cement
							3% CaCl2 2% Gel
							1% Jelflake -

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES — SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	2:30	2½	W.O.C.
2:30	3:00	½	Run in Feel Plug @ 980
3:00	8:00	5	Lay Down Tipe & Tear Out

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Guardado

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00			TEAR OUT RIG
			Rig released @ 6AM April 9/72

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.

STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
STB. BODY O.D.		FT.
STB. BODY O.D.		FT.
RMR. BODY O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
7			TEAR OUT

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 54 DATE APRIL 8/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI etal STEWART

WELL NO. B-30 FIELD OR DIST. STEWART LAKE COUNTY STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ TOOL JOINT 6 1/4 O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Luchuba

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	D-500	16"
2.	EMSCO	D-500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NEW	36#	25			1016	790 sks Cement
							3% CaCl2 2% Del
							1% SELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	2¼		
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	5¼		
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	6		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.
SIZE
MFG.
TYPE
NOZZLE NO.
NOZZLE SIZE
SER. NO.
DEPTH OUT
DEPTH IN
TOTAL FTG.
TOTAL HR. RUN
COND. OF BIT
REAMER NO.
REAMER TYPE

MUD RECORD

TIME
WEIGHT
VISC.-SEC
W.L.-C.C.
FLTR. CK.
PH
SD. CONT. %
PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Fryhoo

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P CON'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	5:45	5¼	TESTING
5:45	8:00	2¼	Pull D.S.T #5

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.
SIZE
MFG.
TYPE
NOZZLE NO.
NOZZLE SIZE
SER. NO.
DEPTH OUT
DEPTH IN
TOTAL FTG.
TOTAL HR. RUN
COND. OF BIT
REAMER NO.
REAMER TYPE

MUD RECORD

TIME
WEIGHT
VISC.-SEC
W.L.-C.C.
FLTR. CK.
PH
SD. CONT. %
PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Grundah

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P CON'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	BREAK DOWN TEST TOOLS
8:15	9:30	1¼	RUN IN OPEN END DRILL PIPE - STRAP
9:30	9:45	¼	CIRC
9:45	10:15	½	RUN Plug #6 3600 - 3500
10:15	4:00	5¾	WOC
			45 SX CEMENT + 3% CaCl2

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.
SIZE
MFG.
TYPE
NOZZLE NO.
NOZZLE SIZE
SER. NO.
DEPTH OUT
DEPTH IN
TOTAL FTG.
TOTAL HR. RUN
COND. OF BIT
REAMER NO.
REAMER TYPE

MUD RECORD

TIME
WEIGHT
VISC.-SEC
W.L.-C.C.
FLTR. CK
PH
SD. CONT. %
PRESSURE GRADIENT

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Fryhoo

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P CON'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:15	2¼	W.O.C
6:15	7:00	¾	Run in Feel Plug #6 Plug #6 @ 3480
7:00	7:30	½	Run Plug #7 1070 - 970
			45 SX CEMENT + 3% CaCl2
7:30	12:00	5½	WOC

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 53 DATE APRIL 1/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DELRI Std STEWART

WELL NO. B-30 FIELD OR DIST. STEWART LAKE COUNTY STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Parcana Industries Ltd. RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ TOOL JOINT 6 1/4 O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindstrom

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8	NEW	36#	25			1016

REMARKS: 790 sks CEMENT 3% CaCl 2% Gel 1% JELFLAKE

TIME DISTRIBUTION--HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			1
TRIPS		1½	3
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT		6¼	
DRILL STEM TEST			1½
OTHER		¼	2½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
				FUEL-2'								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	2 ~~15~~	2¼	WOC Top of Plug @ 5915
2¹⁵	3¹⁵	1	RUN IN FEEL PLUG @ 4
3¹⁵	4⁰⁰	1	PULL UP 4000
4⁰⁰	4³⁰	½	RUN PLUG #5 PLUG DOWN @ 4³⁰ PM
4³⁰	8⁰⁰	3½	W.O.C

Plug #5 4000 - 3800 92 CEMENT 3% CaCl2

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	STANDS D.P.	3352.62 FT.
1	SINGLES D.P.	31.57 FT.
	D.C. I.D. O.D.	FT.
12	D.C. I.D. O.D.	366.05 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
2	SUBS OX O.D.	4.50 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	19.00 FT.
	TOTAL	3800.35 FT.

WT. OF STRING 84,000 LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Guardiak

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	11⁰⁰	3½	WOC
11⁰⁰	12³⁰	1½	RUN IN W/ BIT & COLLARS TO FEEL PLUG STRAP
12³⁰	3¹⁵	2¾	W.O.C.
3¹⁵	3⁴⁵	½	POLISH OFF CEMENT PLUG TO 3800
3⁴⁵	4⁰⁰	¼	CIRC OUT CEMENT CUT MUD.

FEEL PLUG #5 @ 3780

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5⁰⁰	1	CIRC OUT CEMENT CUT MUD
5⁰⁰	6³⁰	1½	STRAP OUT FOR PACKER
6³⁰	9⁰⁰	2½	PICK UP TEST TOOLS & MAKE UP SAME
9⁰⁰	10³⁰	1½	RUN IN W/ DST #5
10³⁰	12⁰⁰	1½	TESTING

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 52 DATE APRIL 6 '72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI std STEWART

WELL NO. B-30 FIELD OR DIST. STEWART LAKE COUNTY STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 1 SIZE 5½ TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwickson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 sks CEMENT
							3% CaCl2 & ½% GEL
							1% CELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT	6	8	
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 32

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | NOZZLE NO. | NOZZLE SIZE | SER. NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HR. RUN | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC.-SEC | W.L.-C.C. | FLTR. CK. | PH | SD. CONT. % | PRESSURE GRADIENT

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DRILLER Dave Fryksas

FOOTAGE: FROM | TO | DR.-D RM.-R CORE.-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

				FUEL 3½ FEET								

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	600	6	W.O.C
600	700	1	FEEL for PLUG - @ 8730 PULL up to RUN
700	800	1	PLUG # 3 PLUG DOWN @ 8 AM
			PLUG # 3 7000 - 6800
			80 SX CEMENT
			32 LBS RETARDER

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | NOZZLE NO. | NOZZLE SIZE | SER. NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HR. RUN | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC.-SEC | W.L.-C.C. | FLTR. CK. | PH | SD. CONT. % | PRESSURE GRADIENT

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DRILLER Bill Granlah.

FOOTAGE: FROM | TO | DR.-D RM.-R CORE.-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[redacted]			
800	400	8	W.O.C.
			Changed oil + filters & fuel filters in D-353

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | NOZZLE NO. | NOZZLE SIZE | SER. NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HR. RUN | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC.-SEC | W.L.-C.C. | FLTR. CK | PH | SD. CONT. % | PRESSURE GRADIENT

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DRILLER Dave Fryksas

FOOTAGE: FROM | TO | DR.-D RM.-R CORE.-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	515	1¼	FEEL PLUG # 3 @ 6800'
515	545	½	PULL UP [redacted] TO RUN PLUG # 4
545	615	½	RUN PLUG # 4 PLUG DOWN @ 615 PM
615	1200	5¾	W.O.C 40 SAX CEMENT
			PLUG @ 6015 — 5910'

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 51 — DATE APRIL 5/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRI etal STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9	2	4½	6¼ O.D.	XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsham

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	3% $CaCl_2$ 2% Gel
							1% Gelflake
							790 sks Cement

MORNING TOUR

TIME DISTRIBUTION–HOURS	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	4½	2½	
LUBRICATE RIG		¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	½		
OTHER		6½	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

NO.	DRILLING ASSEMBLY AT END OF TOUR	FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	LBS.

BIT RECORD		
BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD				
TIME				
WEIGHT				
VISC.–SEC				
W.L.–C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER: David Fuglar

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COMP'D–C
				INTERVAL 8250-8500'								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	3³⁰	3½	TESTING
3³⁰	8⁰⁰	4½	PULL OUT W/ DST #4

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	LBS.

BIT RECORD		
BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD				
TIME				
WEIGHT				
VISC.–SEC				
W.L.–C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER: Bill Gruenlak

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COMP'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV
8¹⁵	8³⁰	¼	RECOVER RECORDERS
8³⁰	9³⁰	1	WAIT ON ORDERS
9³⁰	12⁰⁰	2½	BREAK & LAY DOWN TEST TOOLS
12⁰⁰	12⁴⁵	¾	PICK UP 1 STD & LAY DOWN SAME
12⁴⁵	1⁴⁵	1	SLIP & CUT LINE
1⁴⁵	4⁰⁰	2¼	RUN IN OPEN END D.P.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	FT.
	STANDS D.P.	
	SINGLES D.P.	
	D.C. I.D. O.D.	
	D.C. I.D. O.D.	
	STB. BODY O.D.	
	STB. BODY O.D.	
	RMR. BODY O.D.	
	SUBS O.D.	
	BIT OR C.B.	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	LBS.

BIT RECORD		
BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD				
TIME				
WEIGHT				
VISC.–SEC				
W.L.–C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				
MUD & CHEMICALS ADDED	TYPE	AMT.	TYPE	AMT.

DRILLER: David Fuglar

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COMP'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV
4¹⁵	5⁰⁰	¾	FINISH RUN IN OPEN END
5⁰⁰	6⁰⁰	1	PICK UP 20 JTS 4½ D.P.
6⁰⁰	7¹⁵	1¼	CIRC OPEN END
7¹⁵	8⁰⁰	¾	CEMENT PLUG & DISPLACE
8⁰⁰	9⁰⁰	1	CIRC
9⁰⁰	10⁰⁰	1	CEMENT PLUG & DISPLACE
10⁰⁰	12⁰⁰	2	W.O.C.

Plug #1 36 SAX CEMENT Plug at 9671 – 9570 – No Feel
Plug #2 40 SAX CEMENT Plug @ 8850 – 8750
Plug Down @ 8⁰⁰ PM

WIRE LINE RECORD	
REEL NO.	
NO. OF LINES	4 SIZE 1/16
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	51
CUMULATIVE ROTATING HRS.	

TIME SUMMARY (OFFICE USE ONLY)	
DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

APPROVED — APPROVED

A.A.O.D.C.–A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 50 DATE APRIL 4/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI etal STEWART B-30

WELL NO. B-30 | FIELD OR DIST. Stewart Lake | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pumpana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ | TOOL JOINT 6 1/4 O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sandulak

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA500	16"
2.	Emsco	DA500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NEW	36#	25			1016	790 sks Cement
							3% CaCl2 2% Bent
							1/4 % Jelflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	5¾		
TRIPS	2		3½
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			4¼
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 9 SIZE 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 50

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	18-7
SIZE	8 3/4
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	KA044
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12⁰⁰	3⁰⁰	6⁰⁰
WEIGHT	9.4	9.3	9.3
VISC.-SEC	130	90	45
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER David Frykas

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. PAR'EL-P COM'D-C
				Fuel 3½ Feet			1250	5½				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service & ✓ B.O.P.
12¹⁵	6⁰⁰	5 3/4	Circ & Cond Hole & Mud
6⁰⁰	8⁰⁰	2	Trip out

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Gusulak.

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv & ✓ Bops
8¹⁵	11⁰⁰	2 3/4	Hoist To Test
11⁰⁰	12⁰⁰	1	Pick up Tail Pipe 1162'
12⁰⁰	3³⁰	3½	Pick up Tool & make up
3³⁰	4⁰⁰	½	Run in w/ DST #4

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER David Frykas

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Serv
4¹⁵	7⁴⁵	3½	Run in w/ DST #4
7⁴⁵	12⁰⁰	4¼	Head up Tester & Test

APPROVED

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 49 DATE APRIL 3, 1972

OPERATOR: CANADIAN DEVON

LEASE: CANDEL ET AL STEWART B-30

WELL NO.: B-30

FIELD OR DIST.: STEWART LAKE

COUNTY:

STATE: N W T

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO.: 9

DRILL PIPE STRING: NO. 2, SIZE 4½

TOOL JOINT: 6¼ O.D.

TYPE THD.: XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsay

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL 2% GEL
							1% JEL FLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			4
TRIPS	1¾	3¼	3
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			¼
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	6	1	
OTHER		3½	½
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	9	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Ladoway

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs
12:15	2:00	1¾	RUN IN WITH DST #3
2:00	8:00	6	TESTING.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
96	STANDS D.P.	9036.25 FT.
2	SINGLES D.P.	63.14 FT.
	D.C. I.D. O.D.	540.57 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	30.00 FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: David Foykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE
8:15	9:15	1	TESTING
9:15	11:30	2¼	PULL OUT W/ DST #2
11:30	3:00	3½	BREAK DOWN TOOLS + SERVICE
3:00	4:00	1	PULL OUT TAIL PIPE
4:00	5:30		RUN IN WITH CLEANOUT BIT

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
96	STANDS D.P.	9036.25 FT.
	SINGLES D.P.	63.14 FT.
18	D.C. I.D. O.D.	540.57 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	30.00 FT.
	TOTAL	9671.90 FT.
WT. OF STRING		162,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	LA044
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00		11:45	
WEIGHT				
VISC.-SEC	HEAVY		65	
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	WATER.		

DRILLER: Bill Gaudet

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
							1200	5½	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERV
4:15	5:30	1¼	RUN IN W/ CLEANOUT BIT
5:30	5:45	¼	WORK ON HYDRAMATIC AIR LINE
5:45	7:30	1¾	FINISH RUNNING IN HOLE
7:30	8:00	½	BREAK CIRC & CLEAN TO BOTTOM.
8:00	12:00	4	CIRC & COND. HOLE & MUD

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 48 DATE APRIL 2, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRI ET AL STEWART	B-30	STEWART LAKE		NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½; TOOL JOINT 6¼ O.D.; TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludurkiw

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL. 2% GEL
							1% JEL FLAKE

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			¼
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING	8	8	2¾
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			5
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.; SIZE; MFG.; TYPE; NOZZLE NO.; NOZZLE SIZE; SER. NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD

TIME; WEIGHT; VISC.–SEC; W.L.–C.C.; FLTR. CK.; PH; SD. CONT. %; PRESSURE GRADIENT

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DRILLER Brian Soloway

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	8:00	8	LOGGING WITH SCHLUMBERGER.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.; SIZE; MFG.; TYPE; NOZZLE NO.; NOZZLE SIZE; SER. NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD

TIME; WEIGHT; VISC.–SEC; W.L.–C.C.; FLTR. CK.; PH; SD. CONT. %; PRESSURE GRADIENT

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DRILLER David Frykas

FOOTAGE

FROM	TO	DR.–D RM.–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
								5½		5½		

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8	LOGGING W/ SCHLUMBERGER

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.; SIZE; MFG.; TYPE; NOZZLE NO.; NOZZLE SIZE; SER. NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD

TIME; WEIGHT; VISC.–SEC; W.L.–C.C.; FLTR. CK; PH; SD. CONT. %; PRESSURE GRADIENT

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DRILLER Brian Soloway

FOOTAGE

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
				LOGS RUN ① DIL ② BCS-GR, ③ FDC-GR ④ SNP-GR ⑤ HDT								

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:45	2¾	LOG W/ SCHLUMBERGER
6:45	7:00	¼	TEAR OUT SCHLUMBERGER
7:00	11:45	4¾	RUN IN TAIL PIPE & MAKE UP D.S.T # 3
11:45	12:00	¼	RUN IN WITH DST #3

APPROVED APPROVED

A.A.O.D.C.–A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 47 DATE APRIL 1, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DEGRI ETAL STEWART	B-30	STEWART LAKE		NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwigson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL 2% GEL
							1% TELELAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	2¾		
LUBRICATE RIG	¼		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING	3½	4	8
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1½		
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 8½
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	47
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Sadoway

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs
12:15	3:00	2¾	FINISH HOISTING TO LOG
3:00	4:00	1	LAY DOWN Sq Dcs, REAMERS + TELEDRIFT
4:00	4:30	½	RIG UP TO LOG.
4:30	8:00	3½	LOGGING WITH SCHLUMBERGER

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Diane Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8	LOG W/ SCHLUMBERGER

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Sadoway

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	12:00	8	LOGGING WITH SCHLUMBERGER
			CHANGE ~~DIW~~ DRWKS OIL FILTERS
			CHANGE MAIN FUEL FILTERS
			CHANG DEHYDRATOR FILTERS
			CHECK CHAINS OK.
			REPAIR WATER TO BRAKES

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 46 DATE MARCH 31, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKLRI FT AL STEWART	B-30	STEWART LAKE		N W T

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9 — DRILL PIPE STRING NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sudworth

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	750 CEMENT
							3% CAL 2% GEL
							1% CELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	1½
REAMING			
CONDITIONING MUD & CIRCULATING			1½
TRIPS			2
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			¼
TEST B.O.P.			
CUT OFF DRILLING LINE			2½
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK | HRS. W/DP | HRS. WO/DP | HRS. STANDBY | TOTAL DAY WORK

WIRE LINE RECORD

REEL NO. | NO. OF LINES 8/ SIZE 1⅛ | FEET SLIPPED | FEET CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI. OR TRIPS | NO. OF DAYS FROM SPUD 46 | CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
95	STANDS D.P.	8941.71 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT OR SUB.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	16.00 FT.
	TOTAL	9593 FT.

WT. OF STRING 172,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	9593
DEPTH IN	8725
TOTAL FTG.	868
TOTAL HR. RUN	120
COND. OF BIT	0B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	40	46	47
W.L.-C.C.	12.6	11.2	9.8
FLTR. CK.	2/32	3/32	2/32
PH	10.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3100#	PELTEX	100#
CMC	200#		
CAUSTIC	200#		

DRILLER Brian Soderway

FOOTAGE 67

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9526	9593	D		FUEL 4'	54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
9575	2½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK B.O.P.
12:15	8:00	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
95	STANDS D.P.	9004.60 FT.
2	SINGLES D.P.	
18	D.C. 6¼" I.D. O.D.	540.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT OR SUB.	.70 FT.
1		11.00 FT.
	KELLY DOWN	18.00 FT.
	TOTAL	9658 FT.

WT. OF STRING 175,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8 3/4
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	
DEPTH IN	8725
TOTAL FTG.	933
TOTAL HR. RUN	12 3/4
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	12:00	4:00
WEIGHT	9.6	9.6	
VISC.-SEC	47	46	
W.L.-C.C.	9.0	9.0	
FLTR. CK.	2/32	2/32	
PH	10.5	11.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5100#		

DRILLER Dave Frykas

FOOTAGE 65

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9593	9658	D			54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + V BOP'S
8:15	4:00	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
95	STANDS D.P.	8941.71 FT.
2	SINGLES D.P.	62.89 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT OR SUB.	.70 FT.
1		11.00 FT.
	KELLY DOWN	32.00 FT.
	TOTAL	9671 FT.

WT. OF STRING 176,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	9671
DEPTH IN	8725
TOTAL FTG.	946
TOTAL HR. RUN	12 3/4
COND. OF BIT	2-2-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	5:30	
WEIGHT	9.6	9.6	
VISC.-SEC	70	130	
W.L.-C.C.	9.2	9.2	
FLTR. CK	2/32	2/32	
PH	11.0	11.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	9000#		

DRILLER Brian Soderway

FOOTAGE 13'

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9658	9671	D			54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
9670	3¾°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SER + CHECK B.O.P.'S
4:15	5:45	1½	DRILL 8¾" HOLE
5:45	6:45	1	DUMMY TRIP 10 STD.
6:45	9:15	2½	SLIP & CUT 610 FEET DRILLING LINE
9:15	9:30	¼	FINISH DUMMY TRIP
9:30	11:00	1½	CIR HOLE FOR LOGGING
11:00	11:15	¼	DROP SURVEY @ 9670
11:15	12:00	¾	HOIST TO LOG. (STRAP OUT)

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO. 45 — DATE MARCH 30, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKLIFT AL STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. | RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6½ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwickson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36A	25			1016	790 CEMENT
							3% CAL. 2% GEL
							1% FLELAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING-TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1¼
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	45
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
92	STANDS D.P.	8661.66	FT.
2	SINGLES D.P.	60.79	FT.
18	D.C. 6¼ I.D. O.D.	540.57	FT.
2	D.C. Sq I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. EZY BODY O.D.	5.55	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
2	SUBS XO O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
1	TELEDRIFT	11.0	FT.
	KELLY DOWN	34.00	FT.
	TOTAL	9392	FT.
WT. OF STRING	172,000	LBS.	

BIT RECORD		
BIT NO.	7	
SIZE	8¾	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	LA044	
DEPTH OUT	9392	
DEPTH IN	8725	
TOTAL FTG.	667	
TOTAL HR. RUN	96¾	
COND. OF BIT	0 B	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	2:00	4:00	6:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	43	43	43
W.L.-C.C.	10.4	10.6	10.6
FL.TR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Ladoway

FOOTAGE 55

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9337	9392	D		FUEL 5½'	54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	~~9295~~								

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs
12:15	8:00	7¾	DRILL 8¾" HOLE.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
93	STANDS D.P.		FT.
2	SINGLES D.P.	~~8184.51~~	FT.
18	D.C. 6¼ I.D. O.D.	540.57	FT.
2	D.C. Sq I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. EZY BODY O.D.	5.55	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
2	SUBS O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
1	34	11.00	FT.
	KELLY DOWN	4.00	FT.
	TOTAL	9461	FT.
WT. OF STRING	172,000	LBS.	

BIT RECORD		
BIT NO.	7	
SIZE	8 3/4	
MFG.	HW.	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	LA044	
DEPTH OUT		
DEPTH IN	8725	
TOTAL FTG.	736	
TOTAL HR. RUN	104½	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	8⁰⁰	12⁰⁰	3⁰⁰
WEIGHT	9.4	9.4	9.5
VISC.-SEC	45	45	44
W.L.-C.C.	10.3	10.3	10.4
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	50		
CAUSTIC	50		

DRILLER: Dave Frykas

FOOTAGE 69'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9392	9461	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	9395	2½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SERVICE & ✓ B.O.P.'s
8¹⁵	4⁰⁰	7¾	DRILL 8¾" HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
94	STANDS D.P.	8847.15	FT.
1	SINGLES D.P.	31.54	FT.
18	D.C. 6¼ I.D. O.D.	540.57	FT.
2	D.C. Sq I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.85	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
3	SUBS XO O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
1	TELEDRIFT	11.00	FT.
	KELLY DOWN	13.00	FT.
	TOTAL	9526	FT.
WT. OF STRING	172,000	LBS.	

BIT RECORD		
BIT NO.	7	
SIZE	8 3/4	
MFG.	H.W	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	LA044	
DEPTH OUT	9526	
DEPTH IN	8725	
TOTAL FTG.	801	
TOTAL HR. RUN	112¼	
COND. OF BIT	0 B	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	5⁰⁰	8:00	10:00
WEIGHT		9.5	9.5
VISC.-SEC		43	41
W.L.-C.C.		10.6	11.8
FL.TR. CK		2/32	2/32
PH		10.5	10.5.
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Ladoway

FOOTAGE 65

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9461	9526	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV. & ✓ BO.P'S
4¹⁵	12:00	7¾	DRILL 8¾" HOLE
		8.	

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 44 DATE MARCH 29, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANOEL DECHIRI ETAL STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6¼ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindenbein

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL 2% GEL
							1% FLAKE

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1⅛

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 44

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
91	STANDS D.P.	8567.94 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS XO O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	22.00 FT.
	TOTAL	9225 FT.

WT. OF STRING 170 000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	9225
DEPTH IN	8725
TOTAL FTG.	500
TOTAL HR. RUN	73½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	42	42	43
W.L.-C.C.	9.4	9.6	9.6
FLTR. CK.	2/32	2/32	2/32
PH	10.5	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Sadoway

FOOTAGE 61

FROM	TO	DR.,D RM. R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
9164	9225	D		FUEL 7:00 AM 7 FEET	54	35	1400	5½	58	5½		
					45	35	1200	5½	59	5½		

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs.
12:15	8:00	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
91	STANDS D.P.	FT.
2	SINGLES D.P.	8629.71 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT SQUARE	11.00 FT.
	KELLY DOWN	20.00 FT.
	TOTAL	9285 FT.

WT. OF STRING 170,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	
DEPTH IN	8725
TOTAL FTG.	560
TOTAL HR. RUN	8¼
COND. OF BIT	1/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8 00	12 00	7 00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	42	40	45
W.L.-C.C.	9.6	9.6	11.0
FLTR. CK.	2/32	2/32	2/32
PH	11.0	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2400#	CMC	100#
PELTEX	50#		
CAUSTIC	50#		

DRILLER David Fujikawa

FOOTAGE 60

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
9225	9285	D			45	35	1200	5½	58	5½		

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼	RIG SERVICE - ✓ B.O.P'S
8 15	4 00	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
92	STANDS D.P.	8661.66 FT.
1	SINGLES D.P.	31.33 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS XO O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	9.00 FT.
	TOTAL	9337 FT.

WT. OF STRING 170,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	9337
DEPTH IN	8725
TOTAL FTG.	612
TOTAL HR. RUN	89
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5 00	8:00	10:00
WEIGHT	9.4	9.5	9.5
VISC.-SEC	45	45	45
W.L.-C.C.	10.0	10.2	10.4
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Sadowey

FOOTAGE 52

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
9285	9337	D			54	35	1400	5½	58	5½		

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	¼	RIG SERVICE + ✓ BOP'S
4 15	12 00	7¾	DRILL 8¾" HOLE

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 43 DATE MARCH 28, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL, DECKIRI ETAL STEWART	B-30	STEWART LAKE		NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.P. Hansen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL 2% GEL
							1% FILTRAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
TOTAL	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	43
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
89	STANDS D.P.	8378.55 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
3	SUBS XO O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	32.00 FT.
	TOTAL	9046 FT.
WT. OF STRING	166,000	LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	9046
DEPTH IN	8725
TOTAL FTG.	321
TOTAL HR. RUN	50¼
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	36	41	43
W.L.-C.C.	9.4	9.6	10.0
FLTR. CK.	2/32	2/32	2/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3200#		

DRILLER: Brian Hadaway

FOOTAGE 47

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8999	9046	D		2½' FUEL @ 6:00 AM	54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE & CHECK BOPs
12:15	8:00	7¾	DRILL 8¾" HOLE

NOTE. BLOW OUT DRILL - 5 MINS OK
WITNESSED BY Joe Rubenstahl & John Hansen

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
89	STANDS D.P.	FT.
2	SINGLES D.P.	344.58 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS C/O O.D.	4.60 FT.
	BIT OR C.B.	70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	27.00 FT.
	TOTAL	9104 FT.
WT. OF STRING	168,000	LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	
DEPTH IN	8725
TOTAL FTG.	379
TOTAL HR. RUN	58
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	12:00	3:00
WEIGHT	9.3	9.4	9.3+
VISC.-SEC	42	44	43
W.L.-C.C.	9.2	9.4	9.4
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Fyfe

FOOTAGE 58'

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9046	9104	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE & BOP's
8:15	4:00	7¾	DRILL 8¾" HOLE

L.P. Hansen

NOTE:- BLOW OUT DRILL 5 MIN OK

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	9164
DEPTH IN	8725
TOTAL FTG.	439
TOTAL HR. RUN	65¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	8:00	10:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	44	44	43
W.L.-C.C.	9.4	9.6	9.6
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Hadaway

FOOTAGE 60

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
9104	9164	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	9140	2½	TELEDRIFT						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE & BOP's
4:15	12:00	7¾	DRILL 8¾" HOLE
		8.	

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 42 DATE MAY 27/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRI ET AL STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.F. Hansen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SAKS CEMENT
							3% CALC 2% GEL
							1% JEL FLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			5

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	42
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
87	STANDS D.P.	8189.32 FT.
2	SINGLES D.P.	63.39 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. 3 PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 PT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	7¼ TELEDRIFT	11.00 FT.
	KELLY DOWN	12.65 FT.
	TOTAL	8901.80 FT.

WT. OF STRING 164,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		HW
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		LA044
DEPTH OUT		
DEPTH IN		8725
TOTAL FTG.		176
TOTAL HR. RUN		27
COND. OF BIT		O.B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1.00	4.00	7.00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	41	49	49
W.L.-C.C.	10.6	11.0	9.0
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1400#		
C.M.C	200#		

DRILLER Bill Gwaylak

FOOTAGE 44'

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
8857	8901	D		FUEL 4½ FT @ 7:AM	54	35	1400	5½				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8895	2½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	RIG SERVICE & CHECK BOPS. SERVICE SWIVEL
12.15	8.00	7¾	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
88	STANDS D.P.	8283.96 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. 3 PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 PT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	29.00 FT.
	TOTAL	8950 FT.

WT. OF STRING 164,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		HW
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		LA044
DEPTH OUT		8950
DEPTH IN		8725
TOTAL FTG.		225
TOTAL HR. RUN		34¾
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	47	45	45
W.L.-C.C.	9.4	9.6	9.8
FLTR. CK.	2/32	2/32	2/32
PH	11.0	10.5	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	150#		
PELTEX	150#		

DRILLER Brian Sadoway

FOOTAGE 49'

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
8901	8950	D			54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	4:00	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
48	STANDS D.P.	FT.
2	SINGLES D.P.	4346.77 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. 3 PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 PT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	19.00 FT.
	TOTAL	8999 FT.

WT. OF STRING 165,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		LA044
DEPTH OUT		—
DEPTH IN		8725
TOTAL FTG.		274
TOTAL HR. RUN		42½
COND. OF BIT		0/3
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	4.00	8.00	11.00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	50	45	40
W.L.-C.C.	9.2	9.2	9.4
FLTR. CK	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	350#		
PELTEX	350#		

DRILLER Dave Fayfard

FOOTAGE 49'

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
8950	8999	D			54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8950	2½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	RIG SER. & C.O.P
4.15	12.00	7¾	DRILL 8¾" HOLE

APPROVED

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 41 DATE MAR 26/72

OPERATOR: CAN. DEL. #1

LEASE: CANDEL DECLRI ET AL STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2 SIZE 4½ | TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.P. Hamm

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SAK CEMENT
							3% CALC 2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4	7¾	7½
CLEANING TO BOTTOM	¾		
CONDITIONING MUD & CIRCULATING			
TRIPS	2¾		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼		¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1/8

FEET [illegible]

FEET CUT OF [illegible]

REPORTS

OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 41

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8097.42 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	540.57 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. 3 FT BODY O.D.	5.80 FT.
1	STB. 2¾Y BODY O.D.	5.55 FT.
1	RMR. 6FT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	19.94 FT.
	TOTAL	8753.00 FT.

WT. OF STRING 162,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	
DEPTH IN	8725
TOTAL FTG.	28
TOTAL HR. RUN	4
COND. OF BIT	OB.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5.00	7.00
WEIGHT	9.3	9.3
VISC.-SEC	55	54
W.L.-C.C.	9.4	9.4
FLTR. CK.	2/32	2/32
PH	11.0	11.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DRILLER Bill Guardiak

FOOTAGE 28'

FROM	TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8725	8753	D		5½ FT FUEL @ 7am	54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8740	3°	TELEDRIFT						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SERVICE & V BLIND RAMS
12¹⁵	3⁰⁰	2¾	RUN IN WITH BIT #7
3⁰⁰	3¹⁵	¾	BREAK CIRC & CLEAN TO BOTTOM 60'
3¹⁵	6⁰⁰	2¼	DRILL
6⁰⁰	6¹⁵	¼	TELEDRIFT
6¹⁵	8⁰⁰	1¾	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8097.42 FT.
2	SINGLES D.P.	60.33 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3FT BODY O.D.	5.80 FT.
1	STB. 2¾Y BODY O.D.	5.55 FT.
1	RMR. 6FT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	40.00 FT.
	TOTAL	8803 FT.

WT. OF STRING 164,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	8803
DEPTH IN	8725
TOTAL FTG.	78
TOTAL HR. RUN	11¾
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	55	50	48
W.L.-C.C.	9.6	9.8	9.4
FLTR. CK.	2/32	2/32	2/32
PH	10.6	11.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
CAUSTIC 150#
PELTEX 150#

DRILLER Brian Ladouceur

FOOTAGE 50

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8753	8803	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	4:00	7¾	DRILL 8¾" HOLE
		7¾	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
87	STANDS D.P.	8189.32 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	32.04 FT.
	TOTAL	8857.00 FT.

WT. OF STRING 164,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	LA044
DEPTH OUT	
DEPTH IN	8725
TOTAL FTG.	132
TOTAL HR. RUN	19¼
COND. OF BIT	O-B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8.00	10.00
WEIGHT	9.2	9.2+	9.2+
VISC.-SEC	43	43	42
W.L.-C.C.	9.6	9.6	9.8
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DRILLER Bill Guardiak

FOOTAGE 54'

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8803	8857	D			54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8830	2½°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs
4:15	8¹⁵	4	DRILL 8¾" HOLE
8¹⁵	8³⁰	¼	TELEDRIFT
8³⁰	12⁰⁰	3½	DRILL

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A.A.O.D.C.—A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 40 DATE MAR 25/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CAN DELHI	CANDEL DECLRI et al STEWART	B-30			NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.P. Hanson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SAK CEMENT
							3% CALC 2% GEL
							1% TELEFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¾	2½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			3¾
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼		¾
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¼		1
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK | HRS. W/DP | HRS. WO/DP | HRS. STANDBY | TOTAL DAY WORK

WIRE LINE RECORD

REEL NO. | NO. OF LINES 8 SIZE 1⅛ | FEET SLIPPED | FEET CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI. OR TRIPS | NO. OF DAYS FROM SPUD 40 | CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
84	STANDS D.P.	7910.11 FT.
2	SINGLES D.P.	62.82 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN.	34.43 FT.
	TOTAL	8643.00 FT.

WT. OF STRING 160,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	1259
TOTAL HR. RUN	144½
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12.30	4.30	7[illegible]
WEIGHT	9.3	9.3	9.3
VISC.-SEC	55	54	53
W.L.-C.C.	9.6	9.8	10.2
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: Caustic 50# | | | |

DRILLER Bill Gusulak

FOOTAGE 70'

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'EL.-P COM'D.-C
8573	8643	D		6½ ft Fuel @ 7[illegible] am	54	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	[illegible]80	2½	TELEDRIFT						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12[illegible]	12'15	¼	RIG SERV & ✓ BOPS
12'15	115	1	DRILL
115	145	½	TELEDRIFT & SET UP BRAKES
145	8[illegible]	6¼	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
85	STANDS D.P.	8004.43 FT.
1	SINGLES D.P.	30.96 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS 80 O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	38.00 FT.
	TOTAL	8709 FT.

WT. OF STRING 160,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	8709
DEPTH IN	7384
TOTAL FTG.	1325
TOTAL HR. RUN	152¼
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	52	46	50
W.L.-C.C.	11.0	11.2	9.8
FLTR. CK.	2/32	2/32	2/32
PH	10.5	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: Caustic 150# | CMC 150# | Peltex 150# | GEL 2700#

DRILLER Brian Jadoway

FOOTAGE 66

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'EL.-P COM'D.-C
8643	8709	D			35	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPS.
8:15	4:00	7¾	DRILL 8¾" HOLE
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
85	STANDS D.P.	8004.43 FT.
2	SINGLES D.P.	62.31 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS 80 O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	25.00 FT.
	TOTAL	8725 FT.

WT. OF STRING 162,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	8725
DEPTH IN	7384
TOTAL FTG.	1341
TOTAL HR. RUN	154¾
COND. OF BIT	210
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00		
WEIGHT	9.3		
VISC.-SEC	56		
W.L.-C.C.	9.8		
FLTR. CK	2/32		
PH	11.6		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

DRILLER Bill Gusulak

FOOTAGE 16

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'EL.-P COM'D.-C
8709	8725	D			54	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8700	2½°		8725	3¾°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPS.
4:15	4:30	¼	TELEDRIFT SURVEY @ 8700 2½°
4:30	7:00	2½	DRILL 8¾" HOLE
7:00	7:15	¼	SURVEY (DROPPED)
7:15	11[illegible]	3¾	HOIST BIT # 6
11[illegible]	11[illegible]	½	RETRIEVE TOTCO BBL & CHANGE TELEDRIFT TOOL TO 5½°
11[illegible]	12[illegible]	½	GAUGE & SERVICE REAMERS & CHANGE BITS

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 39 DATE May 24/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Can Delhi Oil Co	Canoe Pacific et al Stewart	B-30	Stewart Lake		N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.E. Hawkes

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SKS CEMENT
							3% Calc 2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7½	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE only)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1⅛

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 39

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
82	STANDS D.P.	7722.53 FT.
2	SINGLES D.P.	61.03 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 8¼ O.D.	5.80 FT.
1	STB. BODY 8¼ O.D.	5.55 FT.
1	RMR. BODY 6¾ O.D.	8.60 FT.
3	SUBS c/o O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1-7"	TELEDRIFT	11.00 FT.
	KELLY DOWN	18.80 FT.
	TOTAL	8438.00 FT.
	WT. OF STRING	155,000 LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	1054
TOTAL HR. RUN	122
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	2.00	4.00	7.00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	40	46	44
W.L.-C.C.	10.2	9.0	9.0
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2700#		
C.M.C.	150#		

DRILLER Bill Gauvreau

FOOTAGE 83'

FROM	TO	DR..D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL..P COM'D..C
8355	8438	D		7½ FT FUEL @ 7 am.	54	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8350	2°	TELEDRIFT	8397	2½°		8422	2½°	

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SERV. & ✓ BOPS
12¹⁵	1⁰⁰	3/4	DRILL
1⁰⁰	1¹⁵	¼	TELEDRIFT SURVEY
1¹⁵	4¹⁵	3	DRILL
4¹⁵	4³⁰	¼	TELEDRIFT SURVEY
4³⁰	8⁰⁰	3½	DRILL

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
83	STANDS D.P.	7815.18 FT.
1	SINGLES D.P.	31.61 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 8¼ O.D.	5.60 FT.
1	STB. BODY 8¼ O.D.	5.55 FT.
1	RMR. BODY 6¾ O.D.	8.60 FT.
3	SUBS c/o O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	26.00 FT.
	TOTAL	8508 FT.
	WT. OF STRING	158,000 LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	8508
DEPTH IN	7384
TOTAL FTG.	1124
TOTAL HR. RUN	129½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	8:30	12:00	2:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	44	42	40
W.L.-C.C.	9.8	10.0	10.4
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2700#		
CMC	150		

DRILLER Brian Hadaway

FOOTAGE 70

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL..P COM'D..C
8438	8508	D			54	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8485	2½	TELEDRIFT						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	2:15	6	DRILL 8¾" HOLE
2:15	2:30	¼	SURVEY @ 8485
2:30	4:00	1½	DRILL 8¾" HOLE
		8.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
84	STANDS D.P.	7910.11 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 8¼ O.D.	5.80 FT.
1	STB. BODY 8¼ O.D.	5.55 FT.
1	RMR. BODY 6¾ O.D.	8.60 FT.
3	SUBS c/o O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1 7/8	TELEDRIFT	11.00 FT.
	KELLY DOWN	27.25 FT.
	TOTAL	8573.00 FT.
	WT. OF STRING	160,000 LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	1189
TOTAL HR. RUN	137¼
COND. OF BIT	OB.
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6:00	8.30	1000
WEIGHT	9.3	9.3	9.3
VISC.-SEC	57	56	55
W.L.-C.C.	9.2		9.6
FLTR. CK	2/32	2/32	2/32
PH	11.0	10.5	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	—		
C.M.C.	—		
CAUSTIC	100#		

DRILLER Bill Gauvreau

FOOTAGE 65'

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL..P COM'D..C
8508	8573	D			54	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs
4:15	12 9/4	7¾	DRILL

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 38 DATE MAR 23/72

OPERATOR: CANADEL

LEASE: CANDEL DEC.R1 et al STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6¼ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING / TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8	NEW	36#	25			1016

REMARKS: 790 SAK CEMENT, 3% CALC, 2% GEL, 1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	6¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		1	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1-1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 38

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
80	STANDS D.P.	7533/0 FT.
1	SINGLES D.P.	31.58 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
3	SUBS c/o O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
17	TELEDRIFT	11.00 FT.
	KELLY DOWN	24.68 FT.
	TOTAL	8225.00 FT.

WT. OF STRING 152,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8 3/4
MFG.	HW
TYPE	J-55
NOZZLE NO.	3 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	841
TOTAL HR. RUN	100¼
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1.30	4.00	7:00
WEIGHT	9.4+	9.4+	9.4
VISC.-SEC	45	43	41
W.L.-C.C.	10.6	11.0	11.2
FLTR. CK.	2/32	2/32	2/32
PH	11	11	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1800		

DRILLER Bill Gwarlak

FOOTAGE 71

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8154	8225	D		3'10" FUEL @ 7.00 AM.	54	35	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	RIG SERVICE & K BOPS
12.15	8.00	7¾	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
81	STANDS D.P.	762786 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS X O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	23.00 FT.
	TOTAL	8283 FT.

WT. OF STRING 154000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	8283
DEPTH IN	7384
TOTAL FTG.	899
TOTAL HR. RUN	107
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	43	53	52
W.L.-C.C.	11.4	9.8	9.8
FLTR. CK.	2/32	2/32	2/32
PH	11.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2600#	PELTEX	150#
CMC	150#		
CAUSTIC	150#		

DRILLER Brian Galloway

FOOTAGE 58

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8225	8283	D			54	34	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8230	3¾							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPS
8:15	2:00	5¾	DRILL 8¾" HOLE
2:00	3:00	1	SURVEY @ 8230 - 3¾°
3:00	4:00	1	DRILL 8¾" HOLE.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
81	STANDS D.P.	762786 FT.
2	SINGLES D.P.	63.00 FT.
18	D.C. 6¼ I.D. O.D.	549.57 FT.
2	D.C. 5⅞ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS X O O.D.	4.50 FT.
	BIT C.B.	.70 FT.
17	TELEDRIFT	11.00 FT.
	KELLY DOWN	28.50 FT.
	TOTAL	8355.00 FT.

WT. OF STRING 154,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	971
TOTAL HR. RUN	114¾
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6.00	8.30	11.00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	44	43	42
W.L.-C.C.	9.8	10	10.2
FLTR. CK	2/32	2/32	2/32
PH	11.0	10.5	11
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Gwarlak

FOOTAGE 72'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
8283	8355	D			54	35	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPS
4:15	12.00	7¾	DRILL 8¾ HOLE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 37 DATE MAR 22/72

OPERATOR: CAN DELHI

LEASE: CANDEL DECLRI ET al STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Glenn Ludwig

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	750 sacks CEMENT
							3% Calc. 2% Gel
							1% Jelflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
	¼		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD 37	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
78	STANDS D.P.	7326.07 FT.
1	SINGLES D.P.	29.95 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS 2/0 O.D.	4.50 FT.
	BIT CORED.	.70 FT.
1	7" 5S TELEDRIFT	11.00 FT.
	KELLY DOWN	[illegible] FT.
	TOTAL	[illegible] FT.
		LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	646
TOTAL HR. RUN	[illegible]
[illegible] NO.	
REAMER TYPE	

MUD RECORD

TIME	12.30	3.30	7.00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	41	49	44
W.L.-C.C.	10	10	10
FL.TR. CK.	3/32	2/32	3/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2800#		
PELTEX	100#		
CAUSTIC	100#		

DRILLER: Bill Grumlak

FOOTAGE 55'

FROM	TO	DR.,D RM.,R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGLS PAR'EL-P COM'D-C
7975	8030	D		FUEL 5' @ 7:00 AM	54	35	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE
12:15	6.30	6¼	DRILL
6.30	6.45	¼	WORK ON TELEDRIFT DIAPHRAGM
6.45	8:00	1¼	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
79	STANDS D.P.	7438.99 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS 2/0 O.D.	4.50 FT.
	BIT O.R.C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	17.00 FT.
	TOTAL	8090 FT.
	WT. OF STRING	152,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	8090
DEPTH IN	7384
TOTAL FTG.	706
TOTAL HR. RUN	84¾
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	11:00	2.00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	40	50	48
W.L.-C.C.	12.0	9.2	9.4
FLTR. CK.	3/32	2/32	1/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2600#		
CMC	150#		

DRILLER: Brian Ladoway

FOOTAGE 60

FROM	TO	DR_D RM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGLS PAR'EL-P COM'D-C
8030	8090	D			54	35	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	4:00	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
79	STANDS D.P.	7438.92 FT.
2	SINGLES D.P.	13.23 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3 PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 PT BODY O.D.	8.60 FT.
3	SUBS 2/0 O.D.	4.50 FT.
	BIT O.R.C.B.	.70 FT.
1	7" TELEDRIFT	11.00 FT.
	KELLY DOWN	16.21 FT.
	TOTAL	8154.00 FT.
	WT. OF STRING	152,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	770
TOTAL HR. RUN	92½
COND. OF BIT	OB.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8.30	11.00
WEIGHT	9.4	9.4	9.4+
VISC.-SEC	43	43	41
W.L.-C.C.	10.6	9.2	9.5
FLTR. CK	3/32	2/32	2/32
PH	11.0	10.5	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#		
PELTEX	100#		

DRILLER: Bill Grumlak

FOOTAGE 64'

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGLS PAR'EL-P COM'D-C
8090	8154				54	35	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 36 DATE MAR 21/72

OPERATOR: CANADIAN HI

LEASE:

WELL NO. B-30 | FIELD OR DIST. STEWART LK. | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2 SIZE 4½ TYPE THD. X.H. | TOOL JOINT 6¼ O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lushenko

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco DA	500	16
2.	Emsco DA	500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SKS CEMENT
							3% CALC 2% Gel
							1% JEL FLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	S		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	36
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
76	STANDS D.P.	7157.58 FT.
1	SINGLES D.P.	31.28 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3 FT BODY O.D.	5.80 FT.
1	STB. 2 FT BODY O.D.	5.55 FT.
1	RMR. 6 FT BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	7" TELEDRIFT	11.00 FT.
	KELLY DOWN	20.50 FT.
	TOTAL	7845.00 FT.

WT. OF STRING 149,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	461
TOTAL HR. RUN	54
COND. OF BIT	OB.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:30	4:00	7:00
WEIGHT	9.4	9.4	9.4+
VISC.-SEC	43	40	48
W.L.-C.C.	11.2	11.4	11.6
FL.TR. CK.	3/32	3/32	2/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2800#		
C.M.C.	100#		

DRILLER Bill Gwaulak

FOOTAGE 60'

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM'D-C
7785	7845	D			54	35	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SERV & ✓ BOPS
12¹⁵	8⁰⁰	7¾	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
77	STANDS D.P.	7251.41 FT.
—	SINGLES D.P.	— FT.
18	D.C. I.D. O.D.	540.57 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT	FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	21.95 FT.
	TOTAL	7909.00 FT.

WT. OF STRING 150,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	525
TOTAL HR. RUN	61¾
COND. OF BIT	OB.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰	1230	230
WEIGHT	9.4+	9.4	9.4
VISC.-SEC	48	43	43
W.L.-C.C.	10.8	11.6	11.5
FLTR. CK.	2/32	-	-
PH	10.5		10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Gwaulak

FOOTAGE 64'

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM'D-C
7845	7909	D			54	35	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7890	2°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SERVICE & ✓ BOPS
8¹⁵	4⁰⁰	7¾	DRILL
			Blew down & washed out both boilers

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
77	STANDS D.P.	7251.41 FT.
2	SINGLES D.P.	63.15 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3 FT BODY O.D.	5.80 FT.
1	STB. 2 FT BODY O.D.	5.55 FT.
1	RMR. 6 FT BODY O.D.	8.60 FT.
3	SUBS XO O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	25.00 FT.
	TOTAL	7975 FT.

WT. OF STRING 152,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	7975
DEPTH IN	7384
TOTAL FTG.	591
TOTAL HR. RUN	69½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.4	9.4+	9.4+
VISC.-SEC	49	42	42
W.L.-C.C.	10.0	10.6	10.8
FLTR. CK	2/32	2/32	2/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Ladoway

FOOTAGE 66

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM'D-C
7909	7975	D			54	35	1450	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPS.
4:15	12:00	7¾	DRILL 8¾" HOLE
		8	

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 35 — DATE MAR 29/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECLRI etal STEWART
WELL NO.: B-30
FIELD OR DIST.: STEWART LAKE
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6 1/4 O.D. — TYPE THD: X H
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindenbaum

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	
2.	EMSCO	DA500	
3.			

LAST CASING / TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NEW	36	25			1016	790 sks Cement + 3%

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		7¼	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	1/4	¼	¼
DEVIATION SURVEY		¼	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		¼	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)
DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK

WIRE LINE RECORD
REEL NO.
NO. OF LINES 8 — SIZE 1/4
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD 35
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
74	STANDS D.P.		FT.
1	SINGLES D.P.	7000.18	FT.
18	D.C. 6 1/4 I.D. O.D.	540.57	FT.
2	D.C. 3½ I.D. O.D.	58.85	FT.
1	STB. BODY 8¼ O.D.	5.80	FT.
1	STB. BODY 8¼ O.D.	5.55	FT.
1	RMR. BODY 8¼ O.D.	8.60	FT.
3	SUBS O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
1	7" TELEDRIFT	11.00	FT.
	KELLY DOWN	16.00	FT.
	TOTAL	7651	FT.
	WT. OF STRING	145,000	LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	2 1/2 1/11
	SIZE	
SER. NO.		KM213
DEPTH OUT		
DEPTH IN		7384
TOTAL FTG.		267
TOTAL HR. RUN		3¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1.00	4.00	7.00
WEIGHT	9.2+	9.2	9.3
VISC.-SEC	43	40	50
W.L.-C.C.			
FLTR. CK.	2/32	2/32	2/32
PH	10.5	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2800#	CMC	100#
CAUSTIC	300#		
PELTEX	300#		

DRILLER: David Fryklas

FOOTAGE 751

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7576	7651	D		FUEL 3' 6"	54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7610	2½°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	RIG SERVICE & V BOPS
12.15	8.00	7¾	DRILL 8 3/4" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
75	STANDS D.P.	7063.43	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	540.57	FT.
2	D.C. 5½ I.D. O.D.	58.85	FT.
1	STB. BODY O.D.	5.80	FT.
1	STB. BODY O.D.	5.55	FT.
1	RMR. BODY O.D.	8.60	FT.
3	SUBS O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	20.90	FT.
	TOTAL	7720.00	FT.
	WT. OF STRING	148000	LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		HW
TYPE		J-55
NOZZLE	NO.	2 1
	SIZE	12 11
SER. NO.		Km213
DEPTH OUT		
DEPTH IN		7384
TOTAL FTG.		336
TOTAL HR. RUN		38½
COND. OF BIT		OB.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.30	11.30	3.00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	45	42	42
W.L.-C.C.	11.8	13.2	13.2
FLTR. CK.	2/32	2/32	2/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
C.M.C	100#		

DRILLER: Bill Grandolt

FOOTAGE 69'

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7651	7720	D			54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7704	2½°	TELEDRIFT						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	RIG SERVICE & V BOPS
8.15	11.30	3¼	DRILL
10.30	11.45	¼	CHECK CROSSHEAD ON # 1 Pump
11.45	2.00	2¼	DRILL
2.00	2.15	¼	TELEDRIFT
2.15	4.00	1¾	DRILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
75	STANDS D.P.	7063.43	FT.
2	SINGLES D.P.	61.42	FT.
18	D.C. 6¼ I.D. O.D.	540.57	FT.
2	D.C. 5½ I.D. O.D.	58.85	FT.
1	STB. BODY O.D.	5.40	FT.
1	STB. BODY O.D.	5.55	FT.
1	RMR. BODY O.D.	8.60	FT.
3	SUBS O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	23.23	FT.
	TOTAL	7785.00	FT.
	WT. OF STRING	148000	LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		HW
TYPE		J-55
NOZZLE	NO.	2-1
	SIZE	2-11
SER. NO.		KM213
DEPTH OUT		7720
DEPTH IN		7384
TOTAL FTG.		401
TOTAL HR. RUN		16¼
COND. OF BIT		O.B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5:00	8:00	10:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	46	43	44
W.L.-C.C.	11.2		11.2
FLTR. CK	2/32	2/32	2/32
PH	11.5	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER:

FOOTAGE 65'

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7720	7785	D			54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	RIG SER & BOPS
4.15	12.00	7¾	DRILL

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 34 — DATE MAR. 19/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRI ETAL STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT O.D.	TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9	2	4½	6¼	X H

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsay

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 sks Cement 3% CaCl2 2% Gel 1% Tel Flake

TIME DISTRIBUTION-HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¼	7½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			¼
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	34
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
12	STANDS D.P.	6779.35 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.51 FT.
2	D.C. 5¾ I.D. O.D.	58.73 FT.
1	STB. 3 pt BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 pt BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	7" TELEDR-CO	11.00 FT.
	KELLY DOWN	39.00 FT.
	TOTAL	7454 FT.

WT. OF STRING 144,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8 3/4
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	70
TOTAL HR. RUN	8½
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12⁰⁰	4⁰⁰	7⁰⁰
WEIGHT	9.3+	9.3	9.3
VISC.-SEC	59	60	60
W.L.-C.C.	10.2	9.8	9.8
FLTR. CK.	2/32	2/32	2/32
PH	12.00	11.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	650#		
CAUSTIC	450#		
SODA ASH	900#		

DRILLER David Frypas

FOOTAGE 66'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7388	7454	D		FILL 5½'	54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SER. & V BOP'S
12¹⁵	8⁰⁰	7 3/4	DRILL 8 3/4" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
22	STANDS D.P.	6779.35 FT.
2	SINGLES D.P.	63.14 FT.
18	D.C. 6¼ I.D. O.D.	540.57 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3 pt BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 pt BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT	11.00 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	7519.13 FT.

WT. OF STRING 144,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	135
TOTAL HR. RUN	16¼
COND. OF BIT	1-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.30	11.30	3.30
WEIGHT	9.3	9.3	9.3
VISC.-SEC	60	50	50
W.L.-C.C.	9.8	11.8	7.8
FLTR. CK.	2/32	2/32	2/32
PH	12	12	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	250#		
PELTEX	650#		
CMC	50#		

DRILLER Bill Gaudet

FOOTAGE 65'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7454	7519	D			54	35	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7500	2°	TELEDRIFT						

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SERVICE & V BOPS
8¹⁵	4⁰⁰	7 3/4	DRILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
13	STANDS D.P.	6905.46 FT.
1	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	540.59 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3 pt BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 pt BODY O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	7" TELEDRIFT Survey	11.00 FT.
	KELLY DOWN	35.00 FT.
	TOTAL	7576 FT.

WT. OF STRING 145,000 LBS.

BIT RECORD

BIT NO.	H6
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KM213
DEPTH OUT	
DEPTH IN	7384
TOTAL FTG.	192
TOTAL HR. RUN	23¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	7.00	9.00	10.00
WEIGHT	9.3	9.3	9.2
VISC.-SEC	50	55	45
W.L.-C.C.	7.8	8.2	8.2
FLTR. CK	2/32	2/32	2/32
PH	11.5	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	250#		
CAUSTIC	250#		

DRILLER Dave Frypas

FOOTAGE 57

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7519	7576	D			54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	75								

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV & V BOPS
4¹⁵	6⁰⁰	1 3/4	DRILL
6⁰⁰	6¹⁵	¼	WORK ON PUMP.
6¹⁵	12⁰⁰	5 3/4	DRILL

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

STEPHENS PRINTING

DAILY DRILLING REPORT — REPORT NO. 33 — DATE MARCH 18, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECHRI ETAL STEWART	B-30	STEWART LAKE		NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindahl

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	D-500	16"
2.	Emsco	D-500	16"
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9⅝	NEW	36#	25			1086	790 sks Cement
								3% CaCl 28 Gal
								1% Jelflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			3/4
REAMING			2
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			—
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	5½	24	
OTHER	½		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1 1/16
FEET SLIPPED	49
FEET CUT OFF	49
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	33
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	5	
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7384		D		FUEL 24½'								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SER. & K BOP'S
12¹⁵	12⁴⁵	½	FINISH MAKING UP TOOL
12⁴⁵	2³⁰	1¾	RUN IN W/ DST #2
2³⁰	8⁰⁰	5½	HEAD UP & TEST

DST #2 6905' — 7080'
Preflow 10 min ISI 30 min V.O 120 min FSI 240 min.
Rec 810' fluid — 270' muddy water — 540' water cut drilling mud

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK.				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Bill Gradahl

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	10¹⁵	2¼	TESTING
10¹⁵	10³⁰	¼	PULL PACKER LOOSE
10³⁰	1⁰⁰	2½	HOIST PACKER
1⁰⁰	4⁰⁰	3	BREAK DOWN TEST TOOLS

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
11	STANDS D.P.		FT.
1	SINGLES D.P.	67.16.46	FT.
18	D.C. 6¼ I.D.	540.51	FT.
1	D.C. 3¼ I.D. O.D.	58.85	FT.
1	STB. BODY 3¼ O.D.	5.80	FT.
1	STB. BODY 8¼ O.D.	5.55	FT.
1	RMR. BODY O.D.	8.60	FT.
3	SUBS O.D.	4.50	FT.
	BIT OR C.B.	.70	FT.
1	1° TELECO	11.00	FT.
	KELLY DOWN	36.00	FT.
	TOTAL	7388	FT.
WT. OF STRING		140,000	LBS.

BIT RECORD

BIT NO.	6	
SIZE	8¾	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	2 1	
NOZZLE SIZE	12 11	
SER. NO.	KM213	
DEPTH OUT		
DEPTH IN	7384	
TOTAL FTG.	4	
TOTAL HR. RUN	3/4	
COND. OF BIT	0/0	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME				
WEIGHT				
VISC.-SEC				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: David Frykas

FOOTAGE 4'

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7384	7388	D			54	35	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV
4¹⁵	5¹⁵	1½	FINISH OUT W/ DC's. ~~LAY DOWN 2 GALLED DC's~~ & PICK UP 2 DC's
~~5¹⁵~~			
5¹⁵	6¹⁵	1	RUN IN WITH NEW BIT & DRILL COLLARS, ~~LAY DOWN BH. DC's~~
6¹⁵	7¹⁵	1	SLIP & CUT DRLG LINE 49'
7¹⁵	9¹⁵	1½	RUN IN
9¹⁵	11¹⁵	2	BREAK CIRC. & REAM UNDER GAGE HOLE 25'
11¹⁵	12⁰⁰	¾	DRILL 8¾" HOLE

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

MAR 28 1972

DAILY DRILLING REPORT — REPORT NO. 32 — DATE MARCH 17, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLIRE ET AL STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwikowski

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 sks Cement
							3% CaCl₂ 2% Gel
							1% Jelflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			3¾
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		¾	4
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	32
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
71	STANDS D.P.	6684.91 FT.
	SINGLES D.P.	FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
18	D.C. 6¼" I.D. O.D.	538.73 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	7" TELEDRIFT 54	11.00 FT.
	KELLY DOWN	34.00 FT.
	TOTAL	7352 FT.

WT. OF STRING 145 000 LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 2 2
NOZZLE SIZE	12 11
SER. NO.	KH-143
DEPTH OUT	—
DEPTH IN	7079
TOTAL FTG.	273
TOTAL HR. RUN	32¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	330	700
WEIGHT	9.3	9.3	9.2+
VISC.-SEC	50	49	45
W.L.-C.C.	8.4	8.4	8.4
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	11.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	600#		
SODA ASH	2500#		
CAUSTIC	450#		

DRILLER Diane Frykas

FOOTAGE 62'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7290	7352	D		FUEL — 4'	54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	RIG SERVICE & V BOP'S
1215	800	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
71	STANDS D.P.	6684.91 FT.
1	SINGLES D.P.	31.42 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 PT BODY O.D.	8.60 FT.
3	SUBS O.D.	4.50 FT.
	BIT OR C.B.	70 FT.
		FT.
	KELLY DOWN	33.92 FT.
	TOTAL	7384.20 FT.

WT. OF STRING 146,000 LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	1 2
NOZZLE SIZE	11 12
SER. NO.	KH143
DEPTH OUT	7384
DEPTH IN	7079
TOTAL FTG.	305
TOTAL HR. RUN	39¼
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	830	330	
WEIGHT	9.2+	9.3+	
VISC.-SEC	45	46	
W.L.-C.C.	8.4	8.6	
FLTR. CK.	2/32	2/32	
PH	11.5	11.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	300	WT. MAT.	4300
SODA ASH	1000		
PELTEX	750		

DRILLER Bill Granlah

FOOTAGE 32

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7352	7384	D			54	35	1375	5½	57			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7364	1°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	RIG SERV & V BOPS
815	1100	2¾	DRILL
1100	1130	½	WORK ON TELEDRIFT INSTRUMENT
1130	345	4¼	DRILL
345	400	¼	DROP SURVEY & BLOW KELLY

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KH 143
DEPTH OUT	7384
DEPTH IN	7079
TOTAL FTG.	305
TOTAL HR. RUN	39¼
COND. OF BIT	7 7 2
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Diane Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	RIG SERV + Bops
415	800	3¾	STRAP OUT TO TEST
800	1200	4	MAKE UP DST #2

STRAP 7394.79 — TALLY 7391.28 — DIFF 3.51

APPROVED (AD) APPROVED (OBC)

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 31 — DATE MARCH 16

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI et al STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART Lake | COUNTY | STATE NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. | RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½, TYPE THD. XH | TOOL JOINT 6 1/4 O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindstrom

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NW	36#	25			1016	790 sks Cement
							3% $CaCl_2$
							2% Gel 1% Gelflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7 3/4	7 3/4	7 3/4
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SNABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	31
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
69	STANDS D.P.	6497.17 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY 3pt O.D.	5.80 FT.
1	STB. BODY 6 1/4 O.D.	5.55 FT.
1	RMR. BODY 6pt O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	7" Teledrift SQ	11.00 FT.
	KELLY DOWN	38.00 FT.
	TOTAL	7168 FT.
WT. OF STRING	144,000 LBS.	

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	HW.
TYPE	J-33
NOZZLE NO.	2 1 1
NOZZLE SIZE	12 11
SER. NO.	KH143
DEPTH OUT	
DEPTH IN	7079
TOTAL FTG.	89
TOTAL HR. RUN	9 1/4
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	5:00	7:00
WEIGHT	9.0	9.0	8.9
VISC.-SEC	39	48	48
W.L.-C.C.	8.2	8.2	8.2
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2900#		
CAUSTIC	100#		
PELTEX	100#		

DRILLER: Dave Fryfogle

FOOTAGE 78'

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM'D-C
7090	7168	D		FUEL 5 1/2	54	35M	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	1/4	RIG SERVICE & ✓ BOPS
12:15	8:00	7 3/4	DRILL 8 3/4" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
69	STANDS D.P.	6497.17 FT.
2	SINGLES D.P.	61.51 FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY 3pt O.D.	5.80 FT.
1	STB. BODY 6 1/4 O.D.	5.55 FT.
1	RMR. BODY 6pt O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT SQ	11.00 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	7233.51 FT.
WT. OF STRING	144,000 LBS.	

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	HW
TYPE	J-35
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KH143
DEPTH OUT	
DEPTH IN	7079
TOTAL FTG.	154
TOTAL HR. RUN	17
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	11:30	3:30
WEIGHT	8.9	8.9	9.1
VISC.-SEC	42	42	42
W.L.-C.C.	8.2	8.4	8.4
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bel	2100		

DRILLER: Bill Gwanlok

FOOTAGE 55

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM'D-C
7168	7233			SURVEYS TAKEN WITH B.J. TELEDRIFT	46	35	1225	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7200	1½°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	RIG SERV & ✓ BOPS
8:15	4:00	7 3/4	DRILL

Changed oil & filters & fuel filters on D353 motors

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
70	STANDS D.P.	FT.
1	SINGLES D.P.	6621.83 FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY 3pt O.D.	5.80 FT.
1	STB. BODY 6 1/4 O.D.	5.55 FT.
1	RMR. BODY 6pt O.D.	8.60 FT.
3	SUBS C/O O.D.	4.50 FT.
	BIT OR C.B.	.70 FT.
1	TELEDRIFT SQ	11.00 FT.
	KELLY DOWN	35.00 FT.
	TOTAL	7290. FT.
WT. OF STRING	145,000 LBS.	

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	12 11
SER. NO.	KH143
DEPTH OUT	
DEPTH IN	7079
TOTAL FTG.	211
TOTAL HR. RUN	24 3/4
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		8:00	11:30
WEIGHT		9.2	9.2
VISC.-SEC		45	45
W.L.-C.C.		8.4	8.4
FL.TR. CK		2/32	2/32
PH		11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	350#		
Peltex	550#		
Soda Ash	2100#		

DRILLER: Dave Fryfogle

FOOTAGE 57'

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM'D-C
7233	7290	D			54	3500	1800	5½	54	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	RIG SERV & ✓ BOPS
4:15	12:00	7 3/4	DRILL 8 3/4 HOLE

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 30 — DATE MARCH 15

OPERATOR: CANADIAN DECHI

LEASE: CANDEL DECKARI et al STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE N.W.T

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 3, SIZE 4½ | TOOL JOINT 6¼ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsay

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	3% CaCl, 790 sks Cement
							2% Gel, 1% Jel Flake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	2	1¼	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY			
TEST B.O.P.	5¾		
CUT OFF DRILLING LINE			
REPAIR RIG			
W.O.O.		3¾	
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		2¾	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STD. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: David Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
	D.S.T.		#1	6960 - 7079								
IF - 1 min, SI - 30", Flow 120"; FSI - 240" Rec'd 45' Drilling mud.												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service
12¹⁵	6⁰⁰	5¾	Testing
6⁰⁰	8⁰⁰	2	Trip out w/ DST #1

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C. I.D.	O.D.	FT.
	D.C. I.D.	O.D.	FT.
	STB. BODY	O.D.	FT.
	STB. BODY	O.D.	FT.
	RMR. BODY	O.D.	FT.
	SUBS	O.D.	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
NOZZLE	NO.	
	SIZE	
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bar			
Caustic	100		

DRILLER: Bill Grandal

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv
8¹⁵	9⁰⁰	¾	Hoist Packer
9⁰⁰	10¹⁵	1¼	W.O.O.
10¹⁵	12⁰⁰	1¾	Break & Lay Down Test Tools
12⁰⁰	2³⁰	2½	Wait on Orders
2³⁰	3⁰⁰	½	Finish out w/ DC's
3⁰⁰	6⁰⁰	1	Pick up 8" DC's & Change Cutters & Pins on 6 pt & 3 pt Reamers

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
68	STANDS D.P.		FT.
1	SINGLES D.P.	6434.13	FT.
18	D.C. 6 1/4 I.D.	O.D. 538.73	FT.
2	D.C. 5 9 I.D.	O.D. 58.85	FT.
1	STB. 3 pt BODY	O.D. 5.80	FT.
1	STB. 6 pt BODY	O.D. 5.55	FT.
1	RMR. 6 pt BODY	O.D. 8.60	FT.
3	SUBS 6 5/8 REG	O.D. 4.50	FT.
	BIT OR C.B.	.90	FT.
1	7" Mill	11.00	FT.
	KELLY DOWN	23.00	FT.
	TOTAL	7090	FT.
WT. OF STRING		142,000	LBS.

BIT RECORD

BIT NO.		5
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3 / 1
	SIZE	12 / 11
SER. NO.		KH143
DEPTH OUT		
DEPTH IN		7079
TOTAL FTG.		11
TOTAL HR. RUN		1 ½
COND. OF BIT		0/8
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			1130
WEIGHT			9.2
VISC.-SEC			60
W.L.-C.C.			8.6
FLTR. CK			2/32
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Frykas

FOOTAGE 11

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7079	7090	D			54	30	900	5½		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7106	1							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Serv't Blind Rams
4¹⁵	5⁰⁰	¾	Finish changing Reamer Cutters
5⁰⁰	5³⁰	½	Pick up Teledrift Sg Collar & insert Teledrift Tool
5³⁰	8³⁰	3	Run in w/ New Bit
8³⁰	10³⁰	2	Break Circ & Clean 90' Fill
10³⁰	12⁰⁰	1½	Drill 8 3/16" Hole

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 29 DATE March 14

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKERS and STEWART

WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. | RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ | TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER George Lushaba

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 sks CEMENT
							3% CaCl2 2% Gel
							1% of Yflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		1¼	
REAMING			
CONDITIONING MUD & CIRCULATING		3	
TRIPS		3½	~~4½~~
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			3½
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 29

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
68	STANDS D.P.	FT.
1	SINGLES D.P.	6434.12 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. 3pt BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 4 pt BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	14.00 FT.
	TOTAL	7069 FT.
WT. OF STRING		131,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 2
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	—
DEPTH IN	5485
TOTAL FTG.	1584
TOTAL HR. RUN	165
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:30	3:00	6:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	48	46	44
W.L.-C.C.	8.0	8.2	8.4
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500#		
CAUSTIC	50#		
PELTEX	50#		

DRILLER Dave Frykas

FOOTAGE 82

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6987	7069	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE & ✓ B.O.P.'S
12:15	8:00	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
68	STANDS D.P.	6402.73 FT.
1	SINGLES D.P.	31.40 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. 3pt BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 4pt BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	23.66 FT.
	TOTAL	7069.30 FT.
WT. OF STRING		131,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 2
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	7079
DEPTH IN	5485
TOTAL FTG.	1594
TOTAL HR. RUN	166½
COND. OF BIT	8 11
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	11:30	1:30
WEIGHT	9.2	9.2	9.2
VISC.-SEC	42	65	85
W.L.-C.C.	8.0	8.0	8.0
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4700		

DRILLER Bill Gusulak

FOOTAGE 10

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7069	7079	D			54	35	1450	5½	59			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7038	1½							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE & ✓ BOPS.
8:15	9:30	1¼	DRILL
9:30	11:30	2	CIRC & CONDITION MUD TO TEST.
11:30	12:30	1	MAKE 10 STD DUMMY TRIP
12:30	1:30	1	CIRC & COND HOLE
1:30	4:00	2½	DROP SURVEY & HOIST TO TEST. DOUBLE STRAP OUT

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

STANDS D.P.	FT.
SINGLES D.P.	FT.
D.C. I.D. O.D.	FT.
D.C. I.D. O.D.	FT.
STB. BODY O.D.	FT.
STB. BODY O.D.	FT.
RMR. BODY O.D.	FT.
SUBS O.D.	FT.
BIT OR C.B.	FT.
	FT.
KELLY DOWN	FT.
TOTAL	FT.
WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER David Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
7079						35	1400					

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERV
4:15	6:15	2	DOUBLE STRAP OUT
6:15	6:45	½	BREAK OFF BIT & STAND BACK SQ COLLARS & REAMERS
6:45	9:45	3	PICK UP 5 DC'S & TEST TOOLS
9:45	12:00	2¼	RUN IN W/ D.S.T. #1 (SLOW)

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 28 — DATE MAR. 13, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANOEL DECKLRIFTAL STEWART	B-30	STEWART LAKE		NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsbeer

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NEW	36#	25			1006	790 SKS CEMENT
							3% CaCl & 2% Hel
							1% Sel Flake.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		¾	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.			
NO. OF LINES	8	SIZE	9/32
FEET SLIPPED			
FEET CUT OFF			
PRESENT LENGTH			
TON MI. OR TRIPS SINCE LAST CUT			
CUMULATIVE TON MI. OR TRIPS			
NO. OF DAYS FROM SPUD	28		
CUMULATIVE ROTATING HRS.			

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
65	STANDS D.P.	6120.73 FT.
1	SINGLES D.P.	61.95 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY 3 PT O.D.	5.86 FT.
1	STB. BODY F2X O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	26.00 FT.
	TOTAL	6830 FT.
WT. OF STRING	128,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	1345
TOTAL HR. RUN	142¼
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2.00	4.00	6.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	44	50	43
W.L.-C.C.	8.0	8.2	8.2
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000#		
CAUSTIC	150#		

DRILLER: Brian Galloway

FOOTAGE 79

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6751	6830	D		FUEL 5½	54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Service & Check BOPs
12.15	8.00	7 3/4	Drill 8 3/4" Hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
60	STANDS D.P.	FT.
1	SINGLES D.P.	6245.69 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY 3 PT O.D.	5.80 FT.
1	STB. BODY F2X O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.00 FT.
	TOTAL	6900 FT.
WT. OF STRING	128,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	—
DEPTH IN	5485
TOTAL FTG.	1415
TOTAL HR. RUN	149½
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00	11.30	3.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	40	47	45
W.L.-C.C.	8.4	8.0	8.2
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2200#		

DRILLER: Dave Frykas

FOOTAGE 70

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6830	6900	D			54	35	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6835	1½°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Service & ✓ BOP's
8.15	12.45	4½	Drill 8 3/4 Hole
12.45	1.30	¾	Survey @ 6835 — 1½°
1.30	4.00	2½	Drill 8 3/4 Hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
67	STANDS D.P.	6308.42 FT.
1	SINGLES D.P.	31.58 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY 3 PT O.D.	5.80 FT.
1	STB. BODY F2X O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	25.50 FT.
	TOTAL	6987.00 FT.
WT. OF STRING	130,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	1502
TOTAL HR. RUN	157¼
COND. OF BIT	C.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4.30	7.00	10.30
WEIGHT	9.2	9.2	9.2
VISC.-SEC	43	42	39
W.L.-C.C.	8.2	8.4	8.4
FLTR. CK	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1700#		
Caustic	100#		
Pelletex	100#		

DRILLER: Bill Gusdal

FOOTAGE 6

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6900	6906	D			54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Serv & ✓ Bops
4.15	12.00	7¾	Drill

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

STATE OF ALASKA

DAILY DRILLING REPORT

REPORT NO. 27 DATE MARCH 12, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANADA DECKARD ET AL STEWART | WELL NO. B-30 | FIELD OR DIST. STEWART LAKE | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. | RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ | TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ledinham

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL 2% GEL
							1% FLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		¾	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE 1¼
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	29
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
63	STANDS D.P.	5931.88	FT.
2	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
2	D.C. 5Q I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. E2¼ BODY O.D.	5.55	FT.
1	RMR. 6.2PT BODY O.D.	8.60	FT.
2	SUBS 80 O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	37.00	FT.
	TOTAL	6590	FT.
WT. OF STRING	126,000		LBS.

BIT RECORD

BIT NO.		4
SIZE		8¾
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		KH154
DEPTH OUT		6590
DEPTH IN		5485
TOTAL FTG.		1105
TOTAL HR. RUN		119¾
COND. OF BIT		0.B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	40	48	46
W.L.-C.C.	8.2	8.4	8.4
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		

DRILLER: Brian Ledoway

FOOTAGE 78

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6512	6590	D		FUEL 7½ FEET @ 7:00AM	54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs
12:15	8:00	7¾	DRILL 8¾" HOLE
		/8	

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
64	STANDS D.P.	6026.38	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
2	D.C. 5Q I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. E2¼ BODY O.D.	5.55	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
2	SUBS 10 O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	17.00	FT.
	TOTAL	6664	FT.
WT. OF STRING	126,000		LBS.

BIT RECORD

BIT NO.		4
SIZE		8 3/4
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		KH154
DEPTH OUT		—
DEPTH IN		5485
TOTAL FTG.		1179
TOTAL HR. RUN		126¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:00	10:00	2:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	46	44	40
W.L.-C.C.	8.0	8.2	8.4
FLTR. CK.	4/32	4/32	2/32
PH	10.5	10.5	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		
CAUSTIC	100#		
PELTEX	200#		

DRILLER: David Frykas

FOOTAGE 74'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6590	6664	D			54	35	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6585	1½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE & V BOPs
8:15	11:30	3¼	DRILL 8¾" HOLE
11:30	12:15	¾	SURVEY @ 6585 -1½°
12:15	4:00	3¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
64	STANDS D.P.		FT.
2	SINGLES D.P.	6089	FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
2	D.C. 5Q I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. E2¼ BODY O.D.	5.55	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
2	SUBS 10 O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	6751	FT.
WT. OF STRING	126,000		LBS.

BIT RECORD

BIT NO.		4
SIZE		8¾
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		KH-154
DEPTH OUT		—
DEPTH IN		5485
TOTAL FTG.		1266
TOTAL HR. RUN		134½
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	4:30	8:00	10:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	48	46	44
W.L.-C.C.	8.2	8.4	8.4
FLTR. CK	3/32	4/32	4/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Frykas

FOOTAGE 87'

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6664	6751	D	1		54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE & V BOP's
4:15	12:00	7¾	DRILL 8¾" HOLE

STP FT NWT

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 26 DATE MARCH 11, 1972.

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKLI ETAL STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Norman Ludwig

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36H	25			1016	790 CEMENT
							3% CAL. 2% GEL
							1% JELFLAKE.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	6¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		1	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1¼

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 26

CUMULATIVE ROTATING HRS.

DAY TOUR (MORNING TOUR)

DRILLING ASSEMBLY AT END OF TOUR

NO.		
60	STANDS D.P.	5712.44 FT.
2	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. S9 I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT ~~O.C.B.~~	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	6374 FT.

WT. OF STRING 124,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
~~DEPTH~~ OUT	6374
DEPTH IN	5485
TOTAL FTG.	889
TOTAL HR. RUN	97½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	48	48	50
W.L.-C.C.	8.2	8.4	8.6
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
CAUSTIC	150#		
DELTEX	150#		

DRILLER Norman Ludwig

FOOTAGE 74

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
6300	6374	D		FUEL 5'	54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs.
12:15	8:00	7¾	DRILL 8¾" HOLE
		8	

NIGHT TOUR (EVENING TOUR)

DRILLING ASSEMBLY AT END OF TOUR

NO.		
61	STANDS D.P.	FT.
2	SINGLES D.P.	580~~5.47~~
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. S9 I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT O.C.B.	.70 FT.
		FT.
	KELLY DOWN	18.00 FT.
	TOTAL	1,044 FT.

WT. OF STRING 124,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	959
TOTAL HR. RUN	10½
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:20	11:30	2:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	42	40	38
W.L.-C.C.	8.6	8.6	8.6
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2200#		

DRILLER David Frykas

FOOTAGE 70

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
6374	6444	D			54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6395	1 3/4							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	8:15	¼	RIG SERVICE & ✓ B.O.P.'S
8:15	2:45	6½	DRILL 8¾" HOLE
2:45	3:45	1	SURVEY @ 6395
3:45	4:00	¼	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
62	STANDS D.P.	5837.00 FT.
1	SINGLES D.P.	31.59 FT.
18	D.C. 6½ I.D. O.D.	538.73 FT.
2	D.C. S9 I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT O.C.B.	.70 FT.
		FT.
	KELLY DOWN	22.00 FT.
	TOTAL	6512 FT.

WT. OF STRING 126,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	6512
DEPTH IN	5485
TOTAL FTG.	1027
TOTAL HR. RUN	11½
COND. OF BIT	0 3
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	8:00	10:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	46	48	44
W.L.-C.C.	8.2	8.2	9.0
FL.TR. CK	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Ladoucer

FOOTAGE 68

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
6444	6512	D			54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SER & ✓ BOP'S
4:15	12:00	7¾	DRILL 8¾ HOLE
		8	

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 25 — DATE MARCH 10, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKLRI ETAL STEWART	B-30	STEWART LAKE		NWT.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwikow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CAL 2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	6¼	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		1	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 4	SIZE 1/4
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD 25	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
58	STANDS D.P.	FT.
2	SINGLES D.P.	5523.55 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	25.00 FT.
	TOTAL	6170 FT.
WT. OF STRING	122,000	LBS.

BIT RECORD

BIT NO.		4
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		KH 154
DEPTH OUT		
DEPTH IN		5485
TOTAL FTG.		685
TOTAL HR. RUN		75¼
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	48	41	45
W.L.-C.C.	8.2	7.8	7.8
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
GEL	1900#		

DRILLER: Brian Ladoway

FOOTAGE 67

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6103	6170	D		FUEL 7'	54	35	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs.
12:15	8:00	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
59	STANDS D.P.	FT.
1	SINGLES D.P.	55 ± 0.69 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQUARE I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.64 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.90 FT.
		FT.
	KELLY DOWN	22.00 FT.
	TOTAL	6230 FT.
WT. OF STRING	122,000	LBS.

BIT RECORD

BIT NO.		4
SIZE		8 3/4
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		KH-154
DEPTH OUT		
DEPTH IN		5485
TOTAL FTG.		745
TOTAL HR. RUN		82
COND. OF BIT		O/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:00	11:30	2:00
WEIGHT	9.1+	9.1+	9.1
VISC.-SEC	42	48	46
W.L.-C.C.	8.2	8.2	8.4
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		

DRILLER: Dave Frykas

FOOTAGE 60'

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6170	6230	D			54	35M	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6145	Misrun	6	6176	1 3/4°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE & ✓ B.O.P.'S
8:15	9:45	1½	DRILL 8¾" HOLE
9:45	10:15	½	SURVEY @ 6145 — MISRUN
10:15	2:15	4	DRILL 8¾ HOLE
2:15	2:45	½	SURVEY @ 6176 — 1¾°
2:45	4:00	1¼	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
60	STANDS D.P.	5586.69 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.00 FT.
	TOTAL	6300 FT.
WT. OF STRING	122,000	LBS.

BIT RECORD

BIT NO.		4
SIZE		8 3/4
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		KH-154
DEPTH OUT		6300
DEPTH IN		5485
TOTAL FTG.		815
TOTAL HR. RUN		89¾
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME		8:00	10:00
WEIGHT		9.2	9.2
VISC.-SEC		43	39
W.L.-C.C.		8.0	8.0
FLTR. CK		2/32	2/32
PH		10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Ladoway

FOOTAGE 70

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
6230	6300	D			54	35	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + ✓ B.O.P.'S
4:15	12:00	7¾	DRILL 8¾ HOLE
		8	

SEAL

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT M

DAILY DRILLING REPORT

REPORT NO. 24 DATE MARCH 9, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECK: RI FTAL STEWART

WELL NO. B-30

FIELD OR DIST. STEWART LAKE.

COUNTY

STATE NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½

TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwikow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT.
							3% CAL. 2% GEL
							1% SELFLAKE.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	4	7¾
REAMING			
CONDITIONING MUD & CIRCULATING		2	
TRIPS		1¾	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1¼

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
57	STANDS D.P.	5365.53 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. 6⅜ O.D.	538.73 FT.
2	D.C. 5⅛ I.D. 6⅜ O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZ4 O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	26.06 FT.
	TOTAL	6013 FT.

WT. OF STRING 120,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	6013
DEPTH IN	5485
TOTAL FTG.	528
TOTAL HR. RUN	55¾
COND. OF BIT	0/3
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	54	50	45
W.L.-C.C.	8.0	8.0	8.2
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
CAUSTIC	100#		
PELTEX	100#		

DRILLER Brian Hadaway

FOOTAGE 49

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.,S PAR.EL-P COMP.D-C
5964	6013	D		FUEL 4½'	54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5923	2°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE & CHECK BOPs.
12:15	12:45	½	SURVEY @ 5923 - 2°
12:45	8:00	7¼	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
59	STANDS D.P.	5399.01 FT.
1	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. 6⅜ O.D.	538.73 FT.
2	D.C. 5⅛ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZ4 O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	22.00 FT.
	TOTAL	6048 FT.

WT. OF STRING 120,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH.154
DEPTH OUT	6015
DEPTH IN	5485
TOTAL FTG.	555
TOTAL HR. RUN	5¾
COND. OF BIT	0/3
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	10:30	7:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	41	82	82
W.L.-C.C.	8.2	7.8	7.8
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	360#		

DRILLER Raoul Fugas

FOOTAGE 27

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.,S PAR.EL-P COMP.D-C
6013	6040	D			54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
7:00	8:15	1¼	RIG SERVICE AND CHECK B.O.P.'S
8:15	8:30	¼	DRILL 8¾" HOLE
8:30	10:00	1½	Circ. & Condition HOLE
10:00	10:45	¾	Dumping TRIP 10 STANDS
10:45	11:15	½	Circ
11:15	12:15	1	TRIP out for DST #1 (Double STRAP 10 STD
12:15	4:00	3¾	DRILL 8¾" Hole (Run Back in

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
58	STANDS D.P.	5460.40 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	538.73 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZ O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	21.00 FT.
	TOTAL	6103 FT.

WT. OF STRING 122,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	6103
DEPTH IN	5485
TOTAL FTG.	618
TOTAL HR. RUN	67½
COND. OF BIT	OR
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4:00	8:00	10:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	64	54	48
W.L.-C.C.	7.8	8.0	8.0
FLTR. CK	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		

DRILLER

FOOTAGE 63

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.,S PAR.EL-P COMP.D-C
6040	6103	1			54	35	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SER. + ✓ B.O.P.'S
4:15	12:00	7¾	DRILL 8¾" HOLE
		8	

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 23 DATE MARCH 8, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKLRI ET AL STEWART

WELL NO. B-30 FIELD OR DIST. STEWART LAKE COUNTY STATE NWT.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lachuk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25	1016		1016	790 CEMENT
							3% CAL. 2% GEL
							1% JEL FLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			7½
DRILLING ACTUAL	7¼	7¼	~~7½~~
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8 SIZE 1⅛	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	23
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
54	STANDS D.P.	5084.37 FT.
2	SINGLES D.P.	61.27 FT.
18	D.C. I.D. O.D.	538.73 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5808 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	H'N
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	~~5485~~
DEPTH IN	5485
TOTAL FTG.	323
TOTAL HR. RUN	33
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.1	9.1	9.1+
VISC.-SEC	47	45	43
W.L.-C.C.	8.8	8.8	8.8
FLTR. CK.	3/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
PELTEX	100#		

DRILLER: Brian Sadoway

FOOTAGE 75

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
5733	5808	D		FUEL 5' - 7:00 AM	54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	~~5735~~	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs
12:15	4:30	4¼	DRILL 8¾" HOLE
4:30	5:00	½	SURVEY @ ~~5735~~ - 1°
5:00	8:00	3	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
55	STANDS D.P.	FT.
2	SINGLES D.P.	523889 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 9 I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	38.00 FT.
	TOTAL	5898 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	413
TOTAL HR. RUN	40¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:00	12:00	2:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	43	49	42
W.L.-C.C.	7.8	7.6	7.8
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3500		
Caustic	100		
Peltex	200#		

DRILLER: David Frybaca

FOOTAGE 90

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
5808	5898	D			54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + ✓ BOP's
8:15	4:00	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
56	STANDS D.P.	5269.93 FT.
X	SINGLES D.P.	31.68 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 9 I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 3 PT BODY O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5964 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	5964
DEPTH IN	5485
TOTAL FTG.	479
TOTAL HR. RUN	48½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	9:00	11:00
WEIGHT	9.1+	9.1+	9.1
VISC.-SEC	48	44	40
W.L.-C.C.	7.8	7.8	7.9
FLTR. CK	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Sadoway

FOOTAGE 66

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
5898	5964	D			54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + ✓ P.P.E. RAMS
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 23 — DATE MARCH 8, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL - DECKLRI ET AL STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lushkuser

PUMPS

NO.	MANUFACTURER	TYPE	STROKE SNGTH
1.	EMSCO	DA 500	16
2.	EMSCO	DA 500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25	1016		1016	790 CEMENT
							3% CAL. 2% GEL
							17% SELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			7½
DRILLING ACTUAL	7¼	7¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	23
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
54	STANDS D.P.	5084.37 FT.
2	SINGLES D.P.	61.27 FT.
18	D.C. I.D. O.D.	538.73 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5808 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD	
BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	~~5485~~
DEPTH IN	5485
TOTAL FTG.	323
TOTAL HR. RUN	33
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	2:00	4:00	6:00
WEIGHT	9.1	9.1	9.1+
VISC.-SEC	47	45	43
W.L.-C.C.	8.8	8.8	8.8
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
PELTEX	100#		

DRILLER: Brian Sadoway

FOOTAGE 75

FROM	TO	DR.D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5733	5808	D.		FUEL 5' - 7:00 AM	54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5735	1¾°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPs
12:15	4:30	4¼	DRILL 8¾" HOLE
4:30	5:00	½	SURVEY @ 5735 - 1¾°
5:00	8:00	3	DRILL 8¾" HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
55	STANDS D.P.	FT.
2	SINGLES D.P.	523889 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	38.00 FT.
	TOTAL	5898 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD	
BIT NO.	4
SIZE	8 3/4
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH 154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	413
TOTAL HR. RUN	40¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	12:00	12:00	2:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	43	49	42
W.L.-C.C.	7.8	7.6	7.8
FL.TR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3500		
Caustic	100		
Peltex	200		

DRILLER: David Fryfogle

FOOTAGE 90

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5808	5898	D			54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + ✓ BOP'S
8:15	4:00	7¾	DRILL 8¾" HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
56	STANDS D.P.	5269.93 FT.
X	SINGLES D.P.	31.68 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. SPT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. SPT BODY O.D.	8.60 FT.
2	SUBS SQ O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5964 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD	
BIT NO.	4
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	5964
DEPTH IN	5485
TOTAL FTG.	479
TOTAL HR. RUN	48½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6:00	9:00	11:00
WEIGHT	9.1+	9.1+	9.1
VISC.-SEC	48	44	40
W.L.-C.C.	7.8	7.8	7.9
FL.TR. CK	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Sadoway

FOOTAGE 66

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5898	5964	D			54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + ✓ PIPE RAMS
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 22 DATE MARCH 7, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKLI ET AL STEWART	B-30	STEWART LAKE		N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lushaba

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝		36#	25	1016		1016	790 - CEMENT
							3% CAL 2% GEL
							1% JEL FLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		¼	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			1
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	22
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
52	STANDS D.P.	4897.94 FT.
	SINGLES D.P.	31.35 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.00 FT.
	TOTAL	5583 FT.

WT. OF STRING 118,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	T-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH154
DEPTH OUT	5583
DEPTH IN	5485
TOTAL FTG.	98
TOTAL HR. RUN	10¾
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.1	9.2	9.2
VISC.-SEC	44	40	48
W.L.-C.C.	8.4	8.6	8.6
FL.TR. CK.	2/32	2/32	2/32
PH	10.0	10.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1700#		
WATER	1" STREAM		

DRILLER Brian Sadoway

FOOTAGE 70

FROM	TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5513	5583	D		FUEL 6½'	54	30	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE + CHECK BOPS
12:15	8:00	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
53	STANDS D.P.	FT.
1	SINGLES D.P.	5023.14 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.50 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS O/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	19.00 FT.
	TOTAL	5663 FT.

WT. OF STRING 119,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	3 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	178
TOTAL HR. RUN	18
COND. OF BIT	O/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	11:00	3:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	47	45	41
W.L.-C.C.	8.2	7.2	7.2
FL.TR. CK.	2/32	2/32	2/32
PH	10.0	10.0	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1700#		

DRILLER David Fryhar

FOOTAGE 80'

FROM	TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5583	5663	D			54	30	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5550	1 7/8°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + K B.O.P.'S
8:15	9:30	1¼	DRILL 8¾" HOLE
9:30	10:00	½	SURVEY @ 5550 — 1 7/8°
10:00	4:00	6	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
54	STANDS D.P.	5084.37 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. BODY 3PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6PT O.D.	8.60 FT.
2	SUBS XO O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	27.00 FT.
	TOTAL	5733 FT.

WT. OF STRING 119,000 LBS.

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	5733
DEPTH IN	5485
TOTAL FTG.	248
TOTAL HR. RUN	25¾
COND. OF BIT	O/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	42	38	41
W.L.-C.C.	7.8	8.0	8.0
FL.TR. CK	2/32	2/32	2/32
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1800#		

DRILLER Brian Sadoway

FOOTAGE 70'

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5663	5733	D			54	30	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERV + CHECK BOP'S
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 21 DATE MAR 6/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRI ET AL STEWART	B-30			N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½, TYPE THD. XH — TOOL JOINT 6¼ O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludurkin

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SAKS CEMENT
							3% CALC 2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7	4¼	3
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		2½	1½
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	3/4		
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		1	1¼
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		4

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1/16

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 21

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
51	STANDS D.P.	1/8	03.48 FT.
	SINGLES D.P.		FT.
18	D.C. 6½ I.D. O.D.		538.73 FT.
2	D.C. 5¾ I.D. O.D.		58.85 FT.
1	STB. 3PT BODY O.D.		5.80 FT.
1	STB. EZY BODY O.D.		5.55 FT.
1	RMR. 6PT BODY O.D.		8.60 FT.
2	SUBS C/D O.D.		3.17 FT.
	BIT OR C.B.		.70 FT.
			FT.
	KELLY DOWN		26.02 FT.
	TOTAL		5451.00 FT.
WT. OF STRING	120,000 LBS.		

BIT RECORD	
BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	1905
TOTAL HR. RUN	171¼
COND. OF BIT	1 2 B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:30	4:00	7:00
WEIGHT	9.1	9.1	9.1
VISC.-SEC	42	40	42
W.L.-C.C.	7.4	7.6	7.6
FLTR. CK.	2/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	200	1" STREAM WATER	

DRILLER Bill Gruenke

FOOTAGE 73

FROM	TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5378	5451	D		FUEL 4' 7" @ 7:30 AM	54	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5361	1 3/4°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERV
12:15	2:30	2¼	DRILL
2:30	3:15	¾	SURVEY
3:15	8:00	4¾	DRILL

changed oil & filters in #1 light Plant.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
51	STANDS D.P.	4803.48	FT.
1	SINGLES D.P.	31.51	FT.
18	D.C. I.D. O.D.	538.73	FT.
2	D.C. I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. EZY BODY O.D.	5.55	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
2	SUBS O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
	KELLY DOWN	29.00	FT.
	TOTAL	5485	FT.
WT. OF STRING	120,000	LBS.	

BIT RECORD	
BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	5485
DEPTH IN	3546
TOTAL FTG.	1939
TOTAL HR. RUN	175½
COND. OF BIT	2-1-1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12:00
WEIGHT	9.1	9.1
VISC.-SEC	40	44
W.L.-C.C.	8.2	8.4
FLTR. CK.	2/32	2/32
PH	10.0	10.0
SD. CONT. %	1.5	
PRESSURE GRADIENT	1498	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1600#	WATER 1" STREAM	

DRILLER Brian Lodoway

FOOTAGE 34

FROM	TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5451	5485	D			54	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	12:30	4¼	DRILL 8¾" HOLE
12:30	3:00	2½	HOIST BIT #3.
3:00	3:15	¼	CHECK BLIND RAMS OK.
3:15	4:00	¾	SERVICE STABS + Sq DCs. + GIVE ROLLERS ½ TURN

TALLY 5485.39 / 5489.07

STRAP — 3.68 DIFF NO CHANGE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
51	STANDS D.P.		FT.
2	SINGLES D.P.	486.11	FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
2	D.C. 5¾ I.D. O.D.	58.85	FT.
1	STB. 3PT BODY O.D.	5.80	FT.
1	STB. EZY BODY O.D.	5.55	FT.
1	RMR. 6PT BODY O.D.	8.60	FT.
2	SUBS C/D O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
	KELLY DOWN	25.00	FT.
	TOTAL	5513	FT.
WT. OF STRING	118,000	LBS.	

BIT RECORD	
BIT NO.	4
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	KH-154
DEPTH OUT	
DEPTH IN	5485
TOTAL FTG.	28
TOTAL HR. RUN	3
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1900	
WEIGHT	9.1	
VISC.-SEC	47	
W.L.-C.C.	7.2	
FLTR. CK	2/32	
PH	10.0	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
1" STREAM		WATER	

DRILLER David Traynor

FOOTAGE 28

FROM	TO	DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5485	5513	D			54	30	1400	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + V B.O.P's
4:15	5:00	¾	SERVICE REAMERS
5:00	6:00	1	SLIP + CUT 49'
6:00	8:30	2½	RUN IN W/ BIT #4
8:30	9:00	½	BREAK CIRC. CLEAN FILL 20'
9:00	12:00	3	DRILL 8¾" HOLE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 20 — DATE MAR 5/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI OIL	CANDEL DECLINE ET-AL STEWART	B-30			N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9	2	4½	6¼ O.D.	XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsland

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9⅝	NEW	36#	25			1016	790 CEMENT
								3% CALC 2% GEL
								1% JELFLAKE

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	20
CUMULATIVE ROTATING HRS.	504

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
48	STANDS D.P.	4521.72 FT.
2	SINGLES D.P.	63.15 FT.
18	D.C. 6¼ I.D. O.D.	538.23 FT.
2	D.C. 58 I.D. O.D.	58.85 FT.
1	STB. BODY 7 PT. O.D.	5.80 FT.
1	STB. BODY 8¾ O.D.	5.55 FT.
1	RMR. BODY 3 PT. O.D.	8.60 FT.
2	SUBS C/B O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.63 FT.
	TOTAL	5236.00 FT.
WT. OF STRING	117,000 LBS.	

BIT RECORD		
BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		
DEPTH IN		3546
TOTAL FTG.		1690
TOTAL HR. RUN		148¾
COND. OF BIT		OB.
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	12:30	4:00	7:30
WEIGHT	9.1	9.1	9.1
VISC.-SEC	41	39	41
W.L.-C.C.	8.2	8.2	8.2
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000	1" STREAM WATER	

DRILLER: Bill Gruenlak

FOOTAGE 63 — DR. D RM. R CORE C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
5173	5236	D	FUEL @ 7:00 AM. 6'3"	53	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5174	1¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERV & √ BOPS CHECK MOTOR KILLS OK.
12:15	4:45	4½	DRILL
4:45	5:45	1	SURVEY + SERVICE SWIVEL + KELLY COCK
5:45	8:00	2¼	DRILL

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
49	STANDS D.P.	4616.43 FT.
1	SINGLES D.P.	31.22 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 58 I.D. O.D.	58.85 FT.
1	STB. BODY 3 PT. O.D.	5.80 FT.
1	STB. BODY 8¾ O.D.	5.55 FT.
1	RMR. BODY 6 PT. O.D.	8.60 FT.
2	SUBS X O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	39.00 FT.
	TOTAL	5308 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD		
BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		5308
DEPTH IN		3546
TOTAL FTG.		1762
TOTAL HR. RUN		156½
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	10:00	12:00	2:00
WEIGHT	9.1	9.1	9.1
VISC.-SEC	41	49	48
W.L.-C.C.	10.2	8.8	9.
FLTR. CK.	2/32	2/32	2/32
PH	7.5	7.5	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1900#	PELTEX	150#
CMC	100#	WATER	STREAM
CAUSTIC	150#		

DRILLER: Brian Sadowy

FOOTAGE 72 — DR. D RM. R CORE C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
5236	5308	D		54	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	4:00	7¾	DRILL 8¾" HOLE
		8	

- DEEP GROOVE
- 5402 6 FULLER FOR SANDY LINE
3-4
- 5476

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
50	STANDS D.P.	4709.46 FT.
1	SINGLES D.P.	30.80 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 58 I.D. O.D.	58.85 FT.
1	STB. BODY 3 PT. O.D.	5.80 FT.
1	STB. BODY 8¾ O.D.	5.55 FT.
1	RMR. BODY 6 PT. O.D.	8.60 FT.
2	SUBS X O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	162.4 FT.
	TOTAL	5378.00 FT.
WT. OF STRING	120,000 LBS.	

BIT RECORD		
BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		
DEPTH IN		3546
TOTAL FTG.		1832
TOTAL HR. RUN		164½
COND. OF BIT		OB.
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	6:00	4:30	10:30
WEIGHT	9.1	9.1	9.1
VISC.-SEC	45	39	41
W.L.-C.C.	8.4	6.8	6.8
FLTR. CK	2/32	2/32	2/32
PH	10.0	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Bill Gruenlak

FOOTAGE 70 — DR. D RM. R CORE C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
5308	5378	D		54	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs.
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 19 DATE MAR 4/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI ET AL STEWART

WELL NO. B-30 | FIELD OR DIST. | COUNTY | STATE: NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½, TYPE THD. X.H. | TOOL JOINT 6¼ O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindenberg

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 CEMENT
							3% CALC 2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	7¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 14

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 19

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
46	STANDS D.P.	4331.98 FT.
2	SINGLES D.P.	63.12 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	23.40 FT.
	TOTAL	5048.09 FT.

WT. OF STRING 114,000 LBS.

BIT RECORD	
BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	1494
TOTAL HR. RUN	126½
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	12:30	4:00	6:00
WEIGHT	9.1	9.1	9.1
VISC.-SEC	44	40	39
W.L.-C.C.	10.2	9.4	9.4
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3800#	1" stream	
Caustic	50#	water	
Pottox	50#		

DRILLER Bill Gruenlok

FOOTAGE 65

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4975	5040	D		FUEL @ 7:30 AM 1'6"	54	30	1550	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4985	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERV & BOPS ✓
12:15	5:45	5½	DRILL
5:45	6:15	½	SURVEY
6:15	8:00	1¾	DRILL

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
47	STANDS D.P.	4426.70 FT.
	SINGLES D.P.	31.73 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. 5¾ I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS 8" O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.00 FT.
	TOTAL	5108 FT.

WT. OF STRING 116,000 LBS.

BIT RECORD	
BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	5108
DEPTH IN	3546
TOTAL FTG.	1562
TOTAL HR. RUN	134¼
COND. OF BIT	O/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	8:00	11:00	2:00
WEIGHT	9.1+	9.1	9.1
VISC.-SEC	68	44	43
W.L.-C.C.	9.8	10.2	10.4
FLTR. CK.	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
~~Soda~~			
Gel	1600#		
CMC	700#		

DRILLER Brian DeBoisbriand

FOOTAGE 68

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5040	5108	D			54	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	4:00	7¾	DRILL 8¾" HOLE
		8	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
48	STANDS D.P.	4521.72 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	538.73 FT.
2	D.C. I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.78 FT.
	TOTAL	5173 FT.

WT. OF STRING 116,000 LBS.

BIT RECORD	
BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-3
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	1627
TOTAL HR. RUN	142
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6:00	8:30	10:30
WEIGHT	9.1	9.1	9.1
VISC.-SEC	43	43	42
W.L.-C.C.	8.8	8.8	8.4
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
		1" STREAM	
		WATER	

DRILLER Bill Gruenlok

FOOTAGE 65

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
5108	5173	D			53	30	1500	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 18 DATE MAR 3 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECRI ET AL STEWART	C-30			N.W.T

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsay

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA500	16"
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9⅝	NEW	36#	25			1016	700 SAKS CEMENT
								3% CALC 2% GEL
								1% JELFLAKE

MORNING TOUR

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¼	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

DRILLING ASSEMBLY AT END OF TOUR

NO		
111	STANDS D.P.	4142.68 FT.
1	SINGLES D.P.	31.38 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. □ I.D. O.D.	58.85 FT.
1	STB. BODY 7 PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	24.44 FT.
	TOTAL	4820.00 FT.
WT. OF STRING	110,000	LBS.

BIT RECORD

BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH1144
DEPTH OUT		
DEPTH IN		3546
TOTAL FTG.		1274
TOTAL HR. RUN		104¼
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12:30	4:00	7:00
WEIGHT	9.0	9.0	9.0
VISC.-SEC	45	40	43
W.L.-C.C.			9.8
FLTR. CK.			2/32
PH	8	8	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500		
Caustic	50		
Peltex	50		

DRILLER Bill Gwaulak

FOOTAGE 90

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4730	4820	D		FUEL 3' 8" 7:00 AM.	52	30	1400	5½				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE
12:15	8:00	7¾	DRILL

4836.0

1656

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
45	STANDS D.P.	4237.17 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	588.73 FT.
2	D.C. □ I.D. O.D.	58.85 FT.
1	STB. BODY 3 PT O.D.	5.80 FT.
1	STB. BODY EZY O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS X O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4900 FT.
WT. OF STRING	112,000	LBS.

BIT RECORD

BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		4900
DEPTH IN		3546
TOTAL FTG.		1354
TOTAL HR. RUN		111½
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.1	9.1	9.1
VISC.-SEC	43	41	44
W.L.-C.C.	9.5	9.4	9.4
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1900 #		
WATER	1" STREAM		

DRILLER Brian Sadoway

FOOTAGE 80

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4820	4900	D			54	30	1500	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4795	¾							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	9:30	1¼	DRILL 8¾" HOLE
9:30	10:00	½	SURVEY @ 4795 - ¾°
10:00	4:00	6	DRILL 8¾" HOLE
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
40	STANDS D.P.	4331.98 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. □ I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	21.52 FT.
	TOTAL	4975.00 FT.
WT. OF STRING	114,000	LBS.

BIT RECORD

BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		
DEPTH IN		3546
TOTAL FTG.		1429
TOTAL HR. RUN		119¼
COND. OF BIT		O.B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	5:00
WEIGHT	9.1	9.1	9.1
VISC.-SEC	44	38	45
W.L.-C.C.	10.2	10.2	10.2
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bel	2500	1" WATER	

DRILLER Bill Gwaulak

FOOTAGE 75

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4900	4975	D		4174.06	54	30	1500	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs
4:15	12:00	7¾	DRILL

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	18
CUMULATIVE ROTATING HRS.	

TOTAL DAY WORK

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 17 — DATE MARCH 2/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLINET AR STEWART	B-30			N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9	3	4½	6¼ O.D.	X H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindenbach

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA-5m	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SAKS CEMENT 3% CACL 2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¼	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	31	7
HRS. W/DP	4	3
HRS. WO/DP	15	
HRS. STANDBY		
TOTAL DAY WORK		

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1½
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	17
CUMULATIVE ROTATING HRS.	87 RAM

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
41	STANDS D.P.	3860.76	FT.
2	SINGLES D.P.	62.82	FT.
	D.C. I.D. O.D.		
18		538.73	FT.
	D.C. ☐ I.D. O.D.		
2		58.85	FT.
1	STB. BODY 3 PT. O.D.	5.80	FT.
1	STB. BODY EZY O.D.	5.55	FT.
1	RMR. BODY 6 PT. O.D.	8.60	FT.
2	SUBS C/OO.D.	3.17	FT.
	BIT OR C-B	.70	FT.
			FT.
	KELLY DOWN	2602	FT.
	TOTAL	4500.00	FT.

WT. OF STRING 108,000 LBS.

BIT RECORD

BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		
DEPTH IN		3546
TOTAL FTG.		1028
TOTAL HR. RUN		81½
COND. OF BIT		OR
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12:30	3:00	7:30
WEIGHT	9.1	9.0	9.0
VISC.-SEC	42	47	48
W.L.-C.C.			9.2
FLTR. CK.			2/32
PH	8	8	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5000	1" STREAM WATER	

DRILLER Bill Grandahl

FOOTAGE 290

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4480	4500	D		FUEL 5½ FT. @ 7:00 AM	54	30	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERV
12:15	8:00	7¾	DRILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
42	STANDS D.P.	3954.82	FT.
1	SINGLES D.P.	30.39	FT.
	D.C. 6¼ I.D. O.D.		
18		538.73	FT.
	D.C. Sq I.D. O.D.		
2		58.73	FT.
1	STB. BODY 3 PT. O.D.	5.80	FT.
1	STB. BODY EZY O.D.	5.55	FT.
1	RMR. BODY 6 PT. O.D.	8.60	FT.
2	SUBS C/O O.D.	3.17	FT.
	BIT OR C-B	.70	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	4649	FT.

WT. OF STRING 100,000 LBS.

BIT RECORD

BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		4649
DEPTH IN		3546
TOTAL FTG.		1103
TOTAL HR. RUN		88¾
COND. OF BIT		1 2 B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.0	9.0	9.0
VISC.-SEC	43	42	42
W.L.-C.C.			
FLTR. CK.			
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1900#		
1" STREAM WATER			

DRILLER Brian Jadaway

FOOTAGE 79

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4570	4649	D			54	30	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4607	¼°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPs
8:15	3:30	7¼	DRILL 8¾" HOLE
3:30	4:00	½	SURVEY @ 4607 ¼°

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
43	STANDS D.P.	4048.16	FT.
1	SINGLES D.P.	31.39	FT.
	D.C. 6¼ I.D. O.D.		
18		538.73	FT.
	D.C. ☐ I.D. O.D.		
2		58.85	FT.
1	STB. BODY O.D.	5.80	FT.
1	STB. BODY O.D.	5.55	FT.
1	RMR. BODY O.D.	8.60	FT.
2	SUBS C/O O.D.	3.17	FT.
	BIT OR C-B	.70	FT.
			FT.
	KELLY DOWN	29.05	FT.
	TOTAL	4730.00	FT.

WT. OF STRING 110,000 LBS.

BIT RECORD

BIT NO.		3
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	3
	SIZE	11
SER. NO.		KH144
DEPTH OUT		
DEPTH IN		3546
TOTAL FTG.		1184
TOTAL HR. RUN		96½
COND. OF BIT		O.B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5:00	8:00	10:00
WEIGHT	9.0	9.0	9.0
VISC.-SEC	45	44	47
W.L.-C.C.			
FLTR. CK			
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500		

DRILLER Bill Grandahl

FOOTAGE 81

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4649	4730				54	30	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK BOPs
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 16 DATE MAR 1/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRIETAL STEWART	B-30			N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsbaar

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	16"
2.	EMSCO	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NEW	36#	25			1016	790 SKS CEMENT 3% CALC 2% GEL 1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	7¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¾		½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¼		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 14

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
39	STANDS D.P.	3671.51 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. □ I.D. O.D.	58.85 FT.
1	STB. 3 PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6 PT BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	70 FT.
		FT.
	KELLY DOWN	40.09 FT.
	TOTAL	4332.00 FT.

WT. OF STRING 105,000 LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	786
TOTAL HR. RUN	58¾
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:30	4:??	7:30
WEIGHT	9.0	9+	9+
VISC.-SEC	40	43	42
W.L.-C.C.			
FLTR. CK.			
PH	8.5	9	9
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	36⁰⁰	1" STREAM WATER	
CAUSTIC	100		
PELTEX	50		

DRILLER Bill Grundah

FOOTAGE 71 — DR.-D RM.-R CORE.-C

FROM	TO		CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4261	4332	D			54	30	1400	5½	58			
				Fuel 3 FT 7:00 AM								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4230	¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SERVICE
12¹⁵	12⁴⁵	½	DRILL
12⁴⁵	1³⁰	¾	SURVEY
1³⁰	7¹⁵	5¾	DRILL
7¹⁵	7³⁰	¼	BLOW OUT DRILL
7³⁰	8⁰⁰	½	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
40	STANDS D.P.	3765.82 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. 3PT BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. 6PT BODY O.D.	8.60 FT.
2	SUBS X/O O.D.	3.17 FT.
	BIT OR C.B.	70 FT.
		FT.
	KELLY DOWN	30.00 FT.
	TOTAL	4407 FT.

WT. OF STRING 108,000 LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	4407
DEPTH IN	3546
TOTAL FTG.	861
TOTAL HR. RUN	66⅓
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.0	9.0	9.0
VISC.-SEC	38	48	45
W.L.-C.C.			
FLTR. CK.			
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3600#		
1" STREAM WATER			

DRILLER Brian Sadoway

FOOTAGE 75 — DR.-D RM.-R CORE.-C

FROM	TO		CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4332	4407	D			54	30	1450	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE CHECK BOPs + KELLY COCK
8:15	4:00	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
40	STANDS D.P.	3765.82 FT.
2	SINGLES D.P.	63.29 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. □ I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.49 FT.
	TOTAL	4480.00 FT.

WT. OF STRING 108,000 LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	934
TOTAL HR. RUN	73¾
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8⁰⁰	10:30
WEIGHT	9.0	9.0	9.1
VISC.-SEC	44	43	47
W.L.-C.C.			
FLTR. CK			
PH	8.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4200#		

DRILLER Bill Grundah

FOOTAGE 73 — DR.-D RM.-R CORE.-C

FROM	TO		CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
4407	4480	D			54	30	1450	5½				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4418	¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE
4:15	9:15	5	DRILL 8¾" HOLE
9:15	9:45	½	SURVEY
9:45	12⁰⁰	2¼	DRILL

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO. 15 — DATE FEB 29/72

OPERATOR: CAN. DELHI

LEASE: CANDEL DEC. RI ET AL STEWART — WELL NO. B-30 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6 1/2 O.D., TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ledoux

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA-500	16"
2.	"	DA-500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NEW	36#	25			1016	790 SAKS CEMENT
							3% CALC 2% GEL
							1% FLOCELE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7	7 3/4	7 3/4
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY	3/4		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES 8	SIZE 1 1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	15
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	STANDS D.P.	3385.59 FT.
2	SINGLES D.P.	63.38 FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. 5 1/4 I.D. O.D.	58.85 FT.
1	STB. BODY 3 1/8 O.D.	5.80 FT.
1	STB. BODY 5 1/2 O.D.	5.55 FT.
1	RMR. BODY 6 1/8 O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	36.63 FT.
	TOTAL	4110.80 FT.
WT. OF STRING	108,000	LBS.

BIT RECORD

BIT NO.	3	
SIZE	8 3/4	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	KH144	
DEPTH OUT		
DEPTH IN	3546	
TOTAL FTG.	564	
TOTAL HR. RUN	36 1/2	
COND. OF BIT	OB	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1:45	4:00	6:00
WEIGHT	8.9	9.0	9.0
VISC.-SEC	35	40	44
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3600#		
1" STREAM WATER			

DRILLER: Bill Grundah

FOOTAGE 82

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D-C
4028	4110	D		FUEL 4'8" 7:00 AM	52	25	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4040	9/16°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	1/4	RIG SERVICE
12:15	4:45	4½	DRILL
4:45	5:30	3/4	SURVEY
5:30	8:00	2½	DRILL

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
37	STANDS D.P.	3383.41 FT.
2	SINGLES D.P.	62.80 FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. 5 1/4 I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	23.00 FT.
	TOTAL	4190 FT.
WT. OF STRING	104,000	LBS.

BIT RECORD

BIT NO.	3	
SIZE	8 3/4	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	KH144	
DEPTH ~~OUT~~	4190	
DEPTH IN	3546	
TOTAL FTG.	644	
TOTAL HR. RUN	44 1/4	
COND. OF BIT	OB	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.0	9.0	9.0
VISC.-SEC	40	43	43
W.L.-C.C.			
FLTR. CK.			
PH		8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3600#	WATER	
CAUSTIC	100#	1" STREAM	
PELTEX	200#		

DRILLER: Brian Lodoway

FOOTAGE 80

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D-C
4110	4190	D			54	30	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	RIG SERVICE + CHECK BOPS + MOTOR KILLS.
8:15	4:00	7 3/4	DRILL 8 3/4" HOLE.
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
38	STANDS D.P.	3577.31 FT.
1	SINGLES D.P.	31.54 FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. 5 1/4 I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	30.75 FT.
	TOTAL	4261.0 FT.
WT. OF STRING	104,000	LBS.

BIT RECORD

BIT NO.	3	
SIZE	8 3/4	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	KH144	
DEPTH OUT		
DEPTH IN	3546	
TOTAL FTG.	715	
TOTAL HR. RUN	52	
COND. OF BIT	OB	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.0	9.0	9.0
VISC.-SEC	43	40	42
W.L.-C.C.			
FLTR. CK			
PH	7.0	8.0	8.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1800	WATER	
Caustic	50#	1" stream	
Pottex	50#		

DRILLER: Bill Grundah

FOOTAGE 71

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D-C
4190	4261	D			54	30	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	RIG SERVICE
4:15	12:00	7 3/4	DRILL 8 3/4" HOLE

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 14 — DATE FEB 28/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECRI et al STEWART
WELL NO.: D-30
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½
TOOL JOINT: 6¼ O.D., TYPE THD. XH
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwick

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NWE	36#	25			1016	740 SKS CEMENT
							3% CaCl2
							2% GEL
							1% JELFLAKE

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¼	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	14
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	3104.96 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	538.73 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. BODY 3 O.D.	5.80 FT.
1	STB. BODY E 3/4 O.D.	5.55 FT.
1	RMR. BODY 6 O.D.	8.60 FT.
~	SUBS C O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	3766 FT.
WT. OF STRING	~~230K~~ 99[illegible] LBS.	

BIT RECORD

BIT NO.	3
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	220
TOTAL HR. RUN	14½
COND. OF BIT	0 B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2.00	4.30	7.00
WEIGHT	8.9	8.9	8.9
VISC.-SEC	29	32	35
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4400#		

DRILLER: Dave Trufrod

FOOTAGE 96'

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
3670	3766	D			54	25	1300	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3663	3¼°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2.00	12.15	1/4	RIG SERVICE & ✓ B.O.P's
12.15	3.00	2 3/4	DRILL 8 3/4" HOLE
3.00	3.30	1/2	SURVEY @ 3663 — 3¼
3.30	8.00	4 1/2	DRILL 8 3/4" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
34	STANDS D.P.	3199.72 FT.
2	SINGLES D.P.	62.91 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	21.13 FT.
	TOTAL	3905.00 FT.
WT. OF STRING	100,000 LBS.	

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	
DEPTH IN	3546
TOTAL FTG.	359
TOTAL HR. RUN	21¾
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:50	1.00
WEIGHT	8.9	9.0
VISC.-SEC	32	37
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500		
WATER	1" STREAM		

DRILLER: Bill Guardak

FOOTAGE 139

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
3766	3905				51	25	1350	5½	57			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3851	9/16°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	1/4	RIG SERV & ✓ BOPS
8.15	2.45	6½	DRILL
2.45	3.15	½	SURVEY
3.15	4.00	3/4	DRILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	STANDS D.P.	3388.59 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. Sq I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY O.D.	5.55 FT.
1	RMR. BODY O.D.	8.60 FT.
	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	19.00 FT.
	TOTAL	4028 FT.
WT. OF STRING	100,000 LBS.	

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	KH144
DEPTH OUT	4028
DEPTH IN	3546
TOTAL FTG.	482
TOTAL HR. RUN	29½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.1	9.0	9.0
VISC.-SEC	35	33	36
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2700#		
WATER	1" STREAM		

DRILLER: Brian Sadoway

FOOTAGE 123

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
3905	4028	D			54	25	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	RIG SERVICE + CHECK BOPs
4:15	12:00	7¾	DRILL 8¾" HOLE

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO. 13 — DATE FEB. 27/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECLRI et al STEWART
WELL NO.: D-30
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½
TOOL JOINT: 6¼ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. Hansen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING / TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NWK	36#	25			1016	3% CACl, 2% GEL, 1% GEL FLAKE
							790 SKS CEMENT

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	1	6½
REAMING			
CONDITIONING MUD & CIRCULATING			1
TRIPS		4	
LUBRICATE RIG	¼	½	¼
DEVIATION SURVEY		½	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		2½	1¼
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.
NO. OF LINES 8 SIZE 1⅛
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD 13
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
30	STANDS D.P.		FT.
2	SINGLES D.P.	2884.22	FT.
2	D.C. 5⅞ I.D. O.D.	58.85	FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
1	STB. BODY 3 PT O.D.	5.80	FT.
1	STB. BODY EZY O.D.	5.55	FT.
1	RMR. BODY 6 PT O.D.	8.60	FT.
2	SUBS 6/6 O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	34.38	FT.
	TOTAL		FT.
WT. OF STRING		94,000	LBS.

BIT RECORD

BIT NO.	2	
SIZE	8¾	
MFG.	H.W.	
TYPE	X3A	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	JM189	
DEPTH OUT		
DEPTH IN	2529	
TOTAL FTG.	1011	
TOTAL HR. RUN	35½	
COND. OF BIT	0/8	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	SUCTION SAMPLE	
WEIGHT		
VISC.-SEC	87+	8.8
W.L.-C.C.		
FLTR. CK.		
PH	10.5	10.5
SD. CONT. %		
PRESSURE GRADIENT	Pilot Viscosity - 92	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	6#		
GEL	700#		

DRILLER: Dave Frykas

FOOTAGE 1701

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3370	3540	D			80 to 90	40m	1200	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3506	⅞°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SERVICE & ✓ B.O.P's
12¹⁵	8⁰⁰	7¾	DRILL 8¾" HOLE
8⁰⁰			3211
			621.40

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
31	STANDS D.P.	2915.71	FT.
1	SINGLES D.P.	[redacted]	FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
2	D.C. 5⅞ I.D. O.D.	58.85	FT.
1	STB. BODY 3 PT O.D.	5.80	FT.
1	STB. BODY EZY O.D.	5.55	FT.
11	RMR. BODY 6 PT O.D.	8.60	FT.
1	SUBS 6/6 O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41.88	FT.
	TOTAL	3556.00	FT.
WT. OF STRING		98,000	LBS.

BIT RECORD

BIT NO.	2	3
SIZE	8¾	8¾
MFG.	HW	HW
TYPE	X3A	J33
NOZZLE NO.	3	3
NOZZLE SIZE	11	11
SER. NO.	JM189	KH144
DEPTH OUT	3546	
DEPTH IN	2529	3546
TOTAL FTG.	1017	10
TOTAL HR. RUN	35¾	¾
COND. OF BIT	2-6-1	0B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	800#		

DRILLER: Bill Gramlich

FOOTAGE 16

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3540	3556	D			50	20	1300	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3506	⅞°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SERV ✓ BOPS
8¹⁵	8³⁰	¼	DRILL
8³⁰	9³⁰	1	Pump Down Gel Pill
9³⁰	10⁰⁰	½	Drop Survey & Blow Kelly
10⁰⁰	12⁰⁰	2	Hoist For Bit
12⁰⁰	12⁴⁵	¾	Change Bits & Gauge Reamers
12⁴⁵	2³⁰	1¾	Run In
2³⁰	3⁴⁵	¾	Clean Bridge 4 stds of Btm. & Run In

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
32	STANDS D.P.	3010.31	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	538.73	FT.
2	D.C. 5⅞ I.D. O.D.	58.85	FT.
1	STB. BODY 3 PT O.D.	5.80	FT.
1	STB. BODY EZY O.D.	5.55	FT.
1	RMR. BODY 6 PT O.D.	8.60	FT.
2	SUBS 6/6 O.D.	3.17	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	3670	FT.
WT. OF STRING		98,000	LBS.

BIT RECORD

BIT NO.	3	
SIZE	8¾	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	KH144	
DEPTH OUT		
DEPTH IN	3546	
TOTAL FTG.	124	
TOTAL HR. RUN	7¼	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	4⁰⁰	6⁰⁰	10⁰⁰
WEIGHT	8.9	8.9	8.9
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		

DRILLER: Dave Frykas

FOOTAGE 114

FROM	TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3556	3670	D			50	25	1300	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SERV.
4¹⁵	5⁰⁰	¾	DRILL
5⁰⁰	5¹⁵	¼	CLEAN SUCTION VALVES ON PUMP
5¹⁵	8⁰⁰	2¾	DRILL
8⁰⁰	9⁰⁰	1	Circ. SAMPLE
9⁰⁰	12⁰⁰	3	DRILL
			Mud up depth 3600'

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 12 — DATE FEB. 26/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECLRI et al STEWART
WELL NO.: D-30
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. TYPE THD. XH
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: McHaman

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA500	16"
2.	Emsco	DA500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Nuk	36#	25			1016	790 sks Cement 3% CaCl2 2% Gel
							1% Gelflake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7½	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1½	½	1½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	12
CUMULATIVE ROTATING HRS.	61 RAT 28

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
25	STANDS D.P.	2382.13 FT.
	SINGLES D.P.	FT.
2	D.C. square I.D. O.D.	58.85 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
1	STB. 3 PT R BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS c/s O.D.	3.17 FT.
	BIT O.D.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	3044 FT.
WT. OF STRING		89,000 LBS.

BIT RECORD

BIT NO.		2
SIZE		8 3/4"
MFG.		HW
TYPE		X3A
NOZZLE	NO.	3
	SIZE	11
SER. NO.		JM189
DEPTH OUT		
DEPTH IN		2529
TOTAL FTG.		525
TOTAL HR. RUN		14½
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME		
WEIGHT	8.9	@ SHAKER
VISC.-SEC	8.7	@ SUCTION
W.L.-C.C.		
FL.TR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	8#	GEL	370#
CaCl2	250#	DV-68	3 gal

DRILLER: Dave Fryfogle

FOOTAGE 194' — DR..D RM..R CORE..C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
2850	3044	D		80	30m	1250	5½	58			
				70							

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2815	½°		3004	½°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service & K Bop's
12¹⁵	12³⁰	¼	Survey @ 2815 - ½°
12³⁰	7⁴⁵	7 ¼	Drill 8 3/4" Hole
7⁴⁵	8⁰⁰	¼	Survey @ 3004 -

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
27	STANDS D.P.	2538.56 FT.
1	SINGLES D.P.	31.53 FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SG I.D. O.D.	58.85 FT.
1	STB. 3 PT R BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	18.51 FT.
	TOTAL	3286.00 FT.
WT. OF STRING		92,000 LBS.

BIT RECORD

BIT NO.		2.
SIZE		8¾
MFG.		HW
TYPE		X3A
NOZZLE	NO.	3
	SIZE	11
SER. NO.		JM189
DEPTH OUT		
DEPTH IN		2529
TOTAL FTG.		681
TOTAL HR. RUN		21¾
COND. OF BIT		RUN
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.30	2.00.
WEIGHT	8.9 @	SHAKER
VISC.-SEC	8.7+ @	SUCTION
W.L.-C.C.	8.9 @	SHAKER
FL.TR. CK.	9.8 @	SUCTION
PH	10.5	10.5
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CaCl2	8sks	GEL	1400#
DF-19	8sks		

DRILLER: Bill Guenlak

FOOTAGE 166 — DR..D RM..R CORE..C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
3044	3210	D		75	30m	1200	5½	57			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3160	½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Serv & check Bops.
8¹⁵	3³⁰	7¼	Drill
3³⁰	4⁰⁰	½	Survey

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
29	STANDS D.P.	2727.36 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.73 FT.
2	D.C. SG I.D. O.D.	58.85 FT.
1	STB. 3 PT R BODY O.D.	5.80 FT.
1	STB. EZY BODY O.D.	5.55 FT.
1	RMR. BODY 6 PT O.D.	8.60 FT.
2	SUBS c/s O.D.	3.17 FT.
	BIT O.D.	.70 FT.
		FT.
	KELLY DOWN	21.24 FT.
	TOTAL	3370 FT.
WT. OF STRING		92,000 LBS.

BIT RECORD

BIT NO.		2
SIZE		8¾
MFG.		HW
TYPE		X3A
NOZZLE	NO.	3
	SIZE	11
SER. NO.		JM189
DEPTH OUT		
DEPTH IN		2529
TOTAL FTG.		841
TOTAL HR. RUN		27¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	SHAKER	SUCTION
WEIGHT	8.6+	8.6
VISC.-SEC		
W.L.-C.C.		
FL.TR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	2#		

DRILLER: Dave Fryfogle

FOOTAGE 160' — DR..D RM..R CORE..C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'EL-P COM'D-C
3210	3370	D		80	35	1325	5½	59			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3318	1½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	Rig Serv.
4¹⁵	9⁰⁰	4 ¾	Drill
9⁰⁰	9¹⁵	¼	Workon. Pump
9¹⁵	11⁰⁰	1¾	Drill 8¾" Hole
11⁰⁰	11³⁰	½	Survey @ 3318 - 1½°
11³⁰	12⁰⁰	½	Drill 8¾ Hole

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 11 — DATE FEB. 25/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECLRI Ltd STEWART
WELL NO.: D-30 — FIELD OR DIST. — COUNTY — STATE: N.W.T

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.F. Havens

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA500	16"
2.	Emsco	DA500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NKK	36#	25			1016	790 sks Cement 3% CaCl2 2% Gel 1% Jelflake.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	2¼		
REAMING			
CONDITIONING MUD & CIRCULATING	¾		
TRIPS	3½		
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG	1¼		
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1/16
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
20	STANDS D.P.	1880.54 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.33 FT.
2	D.C. SQUARES I.D. O.D.	58.85 FT.
1	STB. BODY 8" O.D.	5.80 FT.
1	STB. BODY 8¼ O.D.	5.55 FT.
1	RMR. BODY 6¼ O.D.	8.60 FT.
2	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	27.06 FT.
	TOTAL	FT.

WT. OF STRING 81,000 LBS.

BIT RECORD

BIT NO.	1	2
SIZE	8¾	
MFG.	H.W	
TYPE	X3A	
NOZZLE NO.	1 ½	
NOZZLE SIZE	10 11	
SER. NO.	JM-189	
DEPTH OUT	2529	
DEPTH IN	1016	
TOTAL FTG.	1513	
TOTAL HR. RUN	37¼	
COND. OF BIT	8/1	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1.00	2.00
WEIGHT	88.89	88.89
VISC.—SEC	Section Shaker	
W.L.—C.C.		
FLTR. CK.		
PH	10.5	10.5
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	2#		
CaCl2	80#		

DRILLER: Dave Frykas

FOOTAGE 41

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2488	2529	D						5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2529	½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Service & W B.O.P's
12.15	2.30	2¼	Drill 8¾" Hole
2.30	3.15	¾	Circulate & Drop Survey @ 2529 - ½°
3.15	6.15	3	Trip out w/ Bit #1 (Very Tight @ 1600)
6.15	[illegible]	[illegible]	Caliper & Service Ext Reamers, Both 6pt & 3pt Reamers
[illegible]	6.45	½	Run Calipers
6.45	8.00	1¼	Work on Swivel

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
20	STANDS D.P.	1880.54 FT.
1	SINGLES D.P.	31.58 FT.
18	D.C. 6¼ I.D. O.D.	538.33 FT.
2	D.C. SQ I.D. O.D.	58.85 FT.
1	STB. BODY O.D.	5.80 FT.
1	STB. BODY 8¼ O.D.	5.55 FT.
1	RMR. BODY 6¼ O.D.	8.60 FT.
1	SUBS C/O O.D.	3.17 FT.
1	BIT OR C.B.	.70 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	2574.52 FT.

WT. OF STRING 83,000 LBS.

BIT RECORD

BIT NO.	2	
SIZE	8¾	
MFG.	HW	
TYPE	X3A	
NOZZLE NO.	3-11	
NOZZLE SIZE		
SER. NO.	Jm189	
DEPTH OUT		
DEPTH IN	2529	
TOTAL FTG.	45	
TOTAL HR. RUN	1½	
COND. OF BIT	OB	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.30	1.00	4.00
WEIGHT	8.4	8.4	8.4
VISC.—SEC			
W.L.—C.C.			
FLTR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	6 SKS		
CACl2	2 SKS		

DRILLER: Bill Swalah

FOOTAGE 45

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2529	2574	D			80	28	1150	5½	55			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	Rig Serv & Bops
8.15	11.30	3¼	String New Geolograph Line. Install New Wash Pipe & Packing in Swivel. Dump & Clean Tanks
11.30	12.00	½	Finish Runin
12.00	2.15	2¼	Clean to Btm 150 Ft
2.15	3.45	1½	Drill
3.45	4.00	¼	Work on Swivel

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
23	STANDS D.P.	[illegible] FT.
2	SINGLES D.P.	63.27 FT.
18	D.C. 6¼ I.D. O.D.	538.33 FT.
2	D.C. SQ 6⅛ I.D. O.D.	58.85 FT.
1	STB. PT R. BODY O.D.	5.80 FT.
1	STB. 6 PT BODY O.D.	8.60 FT.
1	RMR. BODY O.D.	5.55 FT.
1	SUBS C/O O.D.	3.17 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	35.33 FT.
	TOTAL	FT.

WT. OF STRING 84,000 LBS.

BIT RECORD

BIT NO.	1 2	
SIZE	8¾	
MFG.	HW	
TYPE	Jm189 X3A	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	Jm189	
DEPTH OUT		
DEPTH IN	[illegible]	
TOTAL FTG.	321	
TOTAL HR. RUN	7¼	
COND. OF BIT	0/0	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6.00	9.00	11.00
WEIGHT	8.7	8.8	8.8
VISC.—SEC			
W.L.—C.C.			
FLTR. CK			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	6#		
CaCl2	150#		

DRILLER: David Frykas

FOOTAGE 276

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
2574	2850	D			80	28	1150	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2668	½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Serv
4.15	7.15	3	Drill
7.15	7.45	½	Survey
7.45	12.00	4¼	Drill

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 10 — DATE Feb. 24/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Canadian Delhi	Canoel. Delhi et al Stewart	D-30			

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Jennings International Drilling, Division of Pancana Industries Ltd.	9	2	4½	6¼ O.D. TYPE THD. XH		

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA 500	16"
2.	Emsco	DA 500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	Nkk	36#	25			1016	N. W.T. 3% CaCl2 290 sks cement 2% Gel 1% Gel Flake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	¾	½
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			1¼
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1/4
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	10
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
15	STANDS D.P.	1409.77 FT.	
	SINGLES D.P.	FT.	
18	D.C. 6¼ I.D. O.D.	538.73 FT.	
2	D.C. SQ. I.D. O.D.	58.85 FT.	
1	STB. BODY 3 pts.	5.80 FT.	
1	STB. BODY E2K O.D.	5.55 FT.	
1	RMR. BODY 6¼ O.D.	8.60 FT.	
2	SUBS C/O O.D.	3.17 FT.	
	BIT OR C.B.	.70 FT.	
		FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	2072.17 FT.	
WT. OF STRING	74,000	LBS.	

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	Hw
TYPE	X3A
NOZZLE NO.	1 2
NOZZLE SIZE	10 11
SER. NO.	JM193
DEPTH OUT	
DEPTH IN	1016
TOTAL FTG.	1056
TOTAL HR. RUN	31¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	3:00	5:00
WEIGHT	9.5	9.6	9.6
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	10#		
CaCl2	400#		
Caustic	7#'s		

DRILLER Chas Ingram

FOOTAGE FROM 1758 TO 2072 — DR.-O RM.-R CORE.-C: D — CORE NO.

FORMATION (SHOW CORE RECOVERY): Fuel

ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
80	27	1700	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1780	2½°		1938	1°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	Rig Service & B.O.P's
1215	1330	1¼	Drill 8¾" Hole
1330	1345	¼	Survey @ 1780
1345	530	3¾	Drill 8¾" Hole
530	545	¼	Survey @ 1938
545	800	2¼	Drill 8¾ Hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
17	STANDS D.P.	1528.18 FT.	
2	SINGLES D.P.	64.64 FT.	
18	D.C. 6¼ I.D. O.D.	538.73 FT.	
2	D.C. 5¾ I.D. O.D.	58.85 FT.	
	STB. BODY O.D.	5.80 FT.	
	STB. BODY O.D.	5.55 FT.	
	RMR. BODY O.D.	8.60 FT.	
	SUBS O.D.	3.17 FT.	
	BIT OR C.B.	.70 FT.	
		FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	2372.20 FT.	
WT. OF STRING	80,000	LBS.	

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	Hw
TYPE	X3A
NOZZLE NO.	1 2
NOZZLE SIZE	10 11
SER. NO.	JM193
DEPTH OUT	
DEPTH IN	1016
TOTAL FTG.	1308
TOTAL HR. RUN	28¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	11:30	
WEIGHT	9.5	9.8	
VISC.-SEC	39 S. axle	38 Suction	
W.L.-C.C.			
FLTR. CK.			
PH	10.5	10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF19	5 sks		

DRILLER Chas Ingram

FOOTAGE FROM 1758 TO 2288 — DR.-O RM.-R CORE.-C: D — CORE NO.

FORMATION (SHOW CORE RECOVERY):

ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
80	30	1500	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2083	¾°		2219	½°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8	815	¼	Rig Serv't & Bops
815	845	½	Drill
845	900	¼	Survey @ 2083 - ¾°
900	145	4¾	Drill
145	215	½	Survey @ 2219 ½°
215	400	1¾	Drill

Floor motors

Changed out 4 fillers also fuel filters and C.V. Control

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
19	STANDS D.P.	FT.	
21	SINGLES D.P.	1848.96 FT.	
18	D.C. 6¼ I.D. O.D.	538.73 FT.	
2	D.C. 5¾ I.D. O.D.	58.85 FT.	
1	STB. BODY 3 pts.	5.80 FT.	
1	STB. BODY E2K O.D.	5.55 FT.	
1	RMR. BODY 6¼ O.D.	8.60 FT.	
2	SUBS C/O O.D.	3.17 FT.	
	BIT OR C.B.	.70 FT.	
		FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	2488.00 FT.	
WT. OF STRING		LBS.	

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	Hw
TYPE	X3A
NOZZLE NO.	1 2
NOZZLE SIZE	10 11
SER. NO.	JM193
DEPTH OUT	
DEPTH IN	1016
TOTAL FTG.	1472
TOTAL HR. RUN	35¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		8:00	10:00
WEIGHT		8.8	8.9
VISC.-SEC		Suction	Suction
W.L.-C.C.			
FLTR. CK			
PH		10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	2		
CaCl2	160#		

DRILLER Chas Ingram

FOOTAGE FROM 2288 TO 2488 — DR.-D RM.-R CORE.-C: D — CORE NO.

FORMATION (SHOW CORE RECOVERY):

ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
80	35M 46M	1450	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2380	½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4	415	¼	Rig Serv.
415	815	¼	Drill
815	845	½	Survey @ 2380 - ½°
845	1000	1¼	Drill 8¾" Hole
1000	1015	¼	Lay down wash out pipe
1015	1200	1¾	Drill 8¾" Hole

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 9 — DATE Feb 23/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECLRI et al STEWART	A-30			W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Jennings International Drilling, Division of Pancana Industries Ltd.	9	2	4½"	6¼ O.D. TYPE THD. XH		L.E. Hansen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DA500	16"
2.		DA500	16"
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NW	36	25			1016	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		6	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG		¼	¼
DEVIATION SURVEY		1¼	4½
TEST. B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG		½	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			¼
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES / SIZE	8 / 1/4
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	9 of 9
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
4	STANDS D.P.	377.45 FT.	
	SINGLES D.P.	FT.	
18	D.C. 6¼ I.D. O.D.	538.73 FT.	
2	D.C. 4½ I.D. O.D.	58.85 FT.	
1	STB. 3 pt BODY O.D.	5.80 FT.	
1	STB. EZY BODY O.D.	5.55 FT.	
1	RMR. 6pt BODY O.D.	8.60 FT.	
1	SUBS O.D.	1.70 FT.	
	BIT OR C.B.	.70 FT.	
1	C/O SUB	1.47 FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	1039.85 FT.	
WT. OF STRING	63,000 LBS.		

BIT RECORD

BIT NO.	1
SIZE	8 3/4
MFG.	H.W.
TYPE	X3A
NOZZLE NO.	1 2
NOZZLE SIZE	10 11
SER. NO.	JM193
DEPTH OUT	
DEPTH IN	1016
TOTAL FTG.	23
TOTAL HR. RUN	1
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER			

DRILLER David Fayhee

FOOTAGE 23

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1016	1039	D			54	15M	1300	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	230	2½	FINISH RIGGING UP DESILTER
230	300	½	PICK COLLARS
300	400	1	RUN IN TOOLS
400	630	2½	PRESSURE TEST PIPE RAMS AND MANIFOLD FIX LEAKS VALVE. TEST HELD OK @ 1500 PSI 20 min
630	700	½	DRILL THROUGH FLOAT & SHOE (FLOAT @ 962 SHOE @ 1016)
700	800	1	DRILL 8¾" HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
8	STANDS D.P.	752.57 FT.	
1	SINGLES D.P.	31.54 FT.	
18	D.C. 6¼ I.D. O.D.	538.73 FT.	
2	D.C. 4½ I.D. O.D.	58.85 FT.	
1	STB. 3 pt BODY O.D.	5.80 FT.	
1	STB. BODY O.D.	5.55 FT.	
1	RMR. 6pt BODY O.D.	8.60 FT.	
1	SUBS O.D.	1.70 FT.	
	BIT OR C.B.	.70 FT.	
		FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	1446.04 FT.	
WT. OF STRING	70,000 LBS.		

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	X3A
NOZZLE NO.	1 2
NOZZLE SIZE	10 11
SER. NO.	JM193
DEPTH OUT	
DEPTH IN	1016
TOTAL FTG.	430
TOTAL HR. RUN	7
COND. OF BIT	1N
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT	8.4		8.5
VISC.-SEC			
W.L.-C.C.			
FLTR. CK.			
PH	10.5		11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF19	2 SKS		
CALC	500#		
CEMENT	8 SKS		

DRILLER Bill Swindah

FOOTAGE 407

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1039	1446	D			80	20M	1350	5½	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1186	¾°		1384	⅞°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	RIG SERV & CK BOPS
815	930	1¼	DRILL 8¾ HOLE
930	1000	½	TIGHTEN SWIVEL PACKING & SERVICE SWIVEL
1000	1130	1½	DRILL
1130	1200	½	SURVEY & TIGHTEN PACKING IN SWIVEL
1200	230	2½	DRILL
230	315	¾	SURVEY & WORK ON PUMP
315	400	¾	DRILL

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
11	STANDS D.P.	FT.	
2	SINGLES D.P.	1096.53 FT.	
18	D.C. 6¼ I.D. O.D.	538.73 FT.	
2	D.C. 4½ I.D. O.D.	58.85 FT.	
1	STB. 6pt BODY O.D.	8.60 FT.	
1	STB. 3pt BODY O.D.	5.80 FT.	
1	RMR. EZY BODY O.D.	5.55 FT.	
2	SUBS C/O O.D.	3.17 FT.	
	BIT OR C.B.	.70 FT.	
		FT.	
	KELLY DOWN	41.00 FT.	
	TOTAL	1758 FT.	
WT. OF STRING	72,000 LBS.		

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	X3A
NOZZLE NO.	1 2
NOZZLE SIZE	10 11
SER. NO.	JM193
DEPTH OUT	
DEPTH IN	1016
TOTAL FTG.	742
TOTAL HR. RUN	14
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VISC.-SEC			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DF-19	2#		

DRILLER D. Brookdale

FOOTAGE 312

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1446	1758	D			80	20M 24M 25M	1350	5½	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1430	1°		1623	1°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	RIG SERV & CHECK MOTOR KILLS
415	515	1	DRILL
515	530	¼	PRIME DESILTER PUMP
530	700	1½	DRILL
200	715	¾	SURVEY
715	945	2 ¼	DRILL
945	1000	¼	SURVEY @ 1623 — 1°
1000	1200	2	DRILL 8¾" HOLE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT — REPORT NO. 8 — DATE FEB. 22/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECLRI et al STEWART

WELL NO.: D-30 | FIELD OR DIST. | COUNTY | STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. | RIG NO.: 9

DRILL PIPE STRING: NO. 2, SIZE 4 1/2 | TOOL JOINT: 6 1/4 O.D. | TYPE THD.: XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L.E. Hansen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16"
2.		DA500	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKD. TO CSG. HD.	SET AT	REMARKS
9 5/8	NWK	36#	25			1016	3% CaCl2, 790 sks Class A, 2% Gels, 1/2% Gel Flake

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Ingram

FOOTAGE

FROM	TO	DR. RM. R	DR. CORE..C	CORE NO.

FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:30	1 1/2	RCut off Conductor & Casing
1:30	3:00	1 1/2	Tear Down & Install Seals in Well Head
3:00	5:00	2	Nipple up w/ OCT C-22 Well Head S/N 38075 Torque up Nuts To 200 Foot/Lbs
5:00	8:00	3 hrs	Nipple up BOPs

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Bill Gruenke

FOOTAGE

FROM	TO	DR. RM. R	DR. CORE..C	CORE NO.

FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:00		Nipple up Bops Clean Mud Tanks of Gravel Lay Flare Line & Manifold Install Steam Lines to Heaters in Sub. Rig up Disilter. Pres Test Blind Rams, 2 Camerons Valves Leaking. Repair Valves

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: David Ingram

FOOTAGE

FROM	TO	DR. RM. R	DR. CORE..C	CORE NO.

FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:30	2 1/2	Nipple up B.O.P.'s Repair pop valves, Leaks. in mud Lines
10:30	11:00	1/2	Pressure Test blind rams, 1500# P.S.I 15 mins O.K.
11:00	11:15	1/4	Check Rig Savers OK.
11:15	12:00	3/4	Pick up 6 pt. Reamer, bottom hole Sq., 3 pt Reamer.

APPROVED — APPROVED

A.A.O.D.C.—A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 7 DATE FEB 21, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL BEGIRL ET AL STEWART	B-30			N.W.T.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lodoway

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NAMAC		26	1018		1016	790 sks Cement + 3% CaCl GEL FLAKE - 1% GEL - 2%

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON M. OR TRIPS SINCE LAST CUT

CUMULATIVE TON M. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Lodoway

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	CIR HOLE
12:15	12:30	¼	RIG SERVICE
12:30	2:00	1½	DUMMY TRIP @ 6 FT FILL.
2:00	2:45	¾	CIR HOLE
2:45	3:45	1	HOIST TO RUN CASING.
3:45	4:15	½	BREAK + LAY DOWN REAMER
4:15	5:15	1	RIG UP TO RUN CASING
5:15	8:00	2¾	RUN CASING

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Hank Frykas

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
				Ran 25 jts 9⅝ @ 1016 KB		36 M		K-55		Csg		
				set @ 1016 KB		40/70						
				600 sks w/ 3% CaCl₂ + 1% gel flake & 2% gel								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
		190 sks w/ 2% CaCl₂				50 sks		returns

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼	RIG SERVICE
8 15	8 45	½	FINISH RUNNING CASING — $CaCl_2$ - 3% - 1700 lbs
8 45	11 30	2¾	CIRC CASING — Gel - 2% - 960 lbs
11 30	12 30	1	Cement CASING — Jelflake 1% - 480 lbs
12 30	1 00	½	Pump Plug down
1 00	4 00	3	W.O.C Dig Cellar — Cement Return - 50 BBLS

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Bill Goodall

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
		—						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	12 30		W.O.C.
			BUILD AND INSTALL NEW MUD LINE ON TANKS + #1 PUMP. WASH OUT STAND BY PUMP + DRAIN
			DIG CELLAR VERY FIRM

APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 6 DATE FEB 20, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECIRI ET AL STEWART	B-30			N W T

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9	3	4½	6¼ O.D.	XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lastovka

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	3¾		
REAMING			7½
CONDITIONING MUD & CIRCULATING			¼
TRIPS	2		
LUBRICATE RIG	¼		¼
DEVIATION SURVEY	¼		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON M. OR TRIPS SINCE LAST CUT

CUMULATIVE TON M. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
4	STANDS D.P.	FT.
2	SINGLES D.P.	439.40 FT.
18	D.C. I.D. 6¼ O.D.	538.74 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS XO O.D.	1.47 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	38.00 FT.
	TOTAL	1018. FT.

WT. OF STRING 54,000 LBS.

BIT RECORD

BIT NO.	3A
SIZE	8¾
MFG.	HW
TYPE	X16
NOZZLE NO.	3
NOZZLE SIZE	OPEN
SER. NO.	31326
DEPTH OUT	1018
DEPTH IN	864
TOTAL FTG.	154
TOTAL HR. RUN	3¾
COND. OF BIT	2
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4500#		
SAWDUST	50sks		

DRILLER Brian Sadoway

FOOTAGE 154 DR. D RM. R CORE C

FROM	TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. S PAR'EL P COM'D C
864	1018	D			120	10	600	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	988	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE
12:15	1:15	1	RUN IN WITH BIT #3A LOST 200 BBLS
1:15	3:00	1¾	CLEAN 100 FT FILL MUD
3:00	6:15	3¼	DRILL 8¾" PILOT HOLE.
6:15	6:30	¼	SURVEY @ 988 — 1°
6:30	7:00	½	DRILL 8¾" PILOT HOLE
7:00	8:00	1	HOIST BIT #3A

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		

DRILLER Dave Taylor

FOOTAGE DR. D RM. R CORE C

FROM	TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. S PAR'EL P COM'D C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE
8:15	8:45	½	PICK UP REAMER WELD ON BIT
8:45	4:00	7¼	RUN IN TO REAM CLEAN BRIDGE @ 160 ft & 760 CLEAN 60 ft. FILL

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
5	STANDS D.P.	470.80 FT.
	SINGLES D.P.	FT.
17	D.C. 6¼ I.D. O.D.	508.29 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	3.00 FT.
1	RMR. BODY O.D.	3.00 FT.
	SUBS O.D.	1.47 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	31.00 FT.
	TOTAL	1018 FT.

WT. OF STRING 56,000 LBS.

BIT RECORD

BIT NO.	
SIZE	13¾
MFG.	REED
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	10118
DEPTH OUT	1018
DEPTH IN	760
TOTAL FTG.	258
TOTAL HR. RUN	7½
COND. OF BIT	
REAMER NO.	2A
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2300		

DRILLER Brian Sadoway

FOOTAGE 258 DR. D RM. R CORE C

FROM	TO	DR. D RM. R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. S PAR'EL P COM'D C
760	1018	RM			80	15M	600	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE
4:15	11:45	7½	REAM 8¾" HOLE TO 13¾"
11:15	12:00	¼	CIR HOLE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 5 DATE FEB 19, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	STUART D-30	D-30	STUART LAKE		N WT

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, Division of Pancana Industries Ltd.	9	2	4½	6¼ O.D.	XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sudmeier

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING	6¾	1¼	6¾
CONDITIONING MUD & CIRCULATING			
TRIPS		1¼	1
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼		
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¾	5	
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	8 SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	5
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
14	D.C. 6¼ I.D. O.D.	418.98	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
1	STB. BODY 8¼ O.D.	3.00	FT.
1	RMR. BODY O.D.	4.00	FT.
1	SUBS XO O.D.	1.47	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	469	FT.
WT. OF STRING	42,000	LBS.	

BIT RECORD			
BIT NO.			
SIZE	13¾		
MFG.	REED		
TYPE			
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	990R		
DEPTH OUT	469		
DEPTH IN	0		
TOTAL FTG.	469		
TOTAL HR. RUN	12¼		
COND. OF BIT			
REAMER NO.	1A		
REAMER TYPE			

MUD RECORD			
TIME	2:00	4:00	6:00
WEIGHT			
VISC.-SEC	105	90	160
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4000	FIBRE	2 SK
CAUSTIC	100		
SAWDUST	25 SKS		

DRILLER: Brian Sadoway

FOOTAGE 206

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
263	469	RM			80	10M	300	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	280	¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE
12:15	1:30	1¼	REAM 8¾" HOLE TO 13¾
1:30	1:45	¼	SURVEY @ 280 - ¼°
1:45	7:15	5½	REAM 8¾" HOLE TO 13¾
7:15	8:00	¾	MIX LOST CIR MAT. (LOST 400 BBLS TO FORMATION)
		8	

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
2	SINGLES D.P.	63.10	FT.
14	D.C. 6¼ I.D. O.D.	418.48	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
1	STB. BODY 8⅛ O.D.	3.00	FT.
1	RMR. BODY O.D.	4.00	FT.
1	SUBS XO O.D.	1.47	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	531	FT.
WT. OF STRING	43,000	LBS.	

BIT RECORD			
BIT NO.			
SIZE	13¾		
MFG.	REED		
TYPE			
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	990R		
DEPTH OUT			
DEPTH IN	0		
TOTAL FTG.	531		
TOTAL HR. RUN	13½		
COND. OF BIT	0/B		
REAMER NO.	1A		
REAMER TYPE			

MUD RECORD				6
TIME				4:00
WEIGHT				
VISC.-SEC				200
W.L.-C.C.				
FLTR. CK.				
PH				4
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	7800#		
FIBRE	8 SKS		
SAW DUST	100 SKS		

DRILLER: David Fryfogle

FOOTAGE 62'

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
469	531	RM			80	10M	300	7"	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE
8:15	1:15	5	MIX LOST CIRC. MATERIAL
1:15	2:45	1½	TRIP TO
2:45	4:00	1¼	REAM 8¾" HOLE TO 13¾ (LOST 1400 - 1500 BBLS TO FORMATION)

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
2	STANDS D.P.	188.88	FT.
1	SINGLES D.P.	31.08	FT.
17	D.C. 6¼ I.D. O.D.	508.29	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY 8⅛ O.D.	3.00	FT.
1	RMR. BODY O.D.	4.00	FT.
1	SUBS XO O.D.	1.45	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	23.00	FT.
	TOTAL	760.00	FT.
WT. OF STRING	52,000	LBS.	

BIT RECORD			
BIT NO.			
SIZE	13¾		
MFG.	REED		
TYPE			
NOZZLE NO.			
NOZZLE SIZE			
SER. NO.	990R		
DEPTH OUT	760		
DEPTH IN	531		
TOTAL FTG.	229		
TOTAL HR. RUN	16 20¼		
COND. OF BIT			
REAMER NO.	1A		
REAMER TYPE			

MUD RECORD				
TIME	5:00			
WEIGHT				
VISC.-SEC	400			
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT. %				
PRESSURE GRADIENT				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5200		
SAWDUST	60 SKS		

DRILLER: Brian Sadoway

FOOTAGE 229

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
531	760	RM			80	15M	350	7"	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE
4:15	11:00	6¾	REAM 8¾" HOLE TO 13¾"
11:00	12:00	1	HOIST REAMER (STRAP OUT)
		8	STRAP 760.18
			TALLY 760.42
			DIF .24 NO CHANGE

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 4 DATE FEB 18, 1972

OPERATOR: CANADIAN DELTA

LEASE: STUART D-30

WELL NO. D-30 | FIELD OR DIST. | COUNTY | STATE: NWT

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ | TOOL JOINT 6¼ O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindenbaum

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			5½
CONDITIONING MUD & CIRCULATING			
TRIPS	1/4		3/4
LUBRICATE RIG	1/4		1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	7½		1½
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	0		8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 9/16

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
3	STANDS D.P.	282.80	FT.
	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	538.75	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	1.47	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	864	FT.
WT. OF STRING		58,000	LBS.

BIT RECORD

BIT NO.	2A	
SIZE	8¾	
MFG.	HW	
TYPE	X16	
NOZZLE NO.	1 2	
NOZZLE SIZE	13 OPEN	
SER. NO.	31341	
DEPTH OUT	864	
DEPTH IN	447	
TOTAL FTG.	417	
TOTAL HR. RUN	13¼	
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	7000	FIBRE	10 SKS
CAUSTIC	100		
SAWDUST	150 SKS		

DRILLER: Brian Sadoway

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
864												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE
12:15	8:00	7¾	MIX LOST CIR MAT
			LOST ABOUT 1450 BARRELS

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	538.75	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	1.47	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	2A	
SIZE	8 3/4	
MFG.	H.W.	
TYPE	X16	
NOZZLE NO.	1 2	
NOZZLE SIZE	13 OPEN	
SER. NO.	31341	
DEPTH OUT		
DEPTH IN	447	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	9200#	Caustic	200#
SAWDUST	80 SKS		
M.I. Fibre	20 SKS		

DRILLER: Dave Frykas

FOOTAGE

FROM	TO	DR.D RM.R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
864								7"				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE
8:15	3:45	7½	MIX LOST CIRC. MAT
3:45	4:00	¼	TRIP OUT for REAMER
			LOST ABOUT 12 BBLS

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
8	D.C. 6¼ I.D. O.D.	239.25	FT.
	DRL REAMER I.D. O.D.	4.00	FT.
1	STB. BODY O.D.	3.00	FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.	1.47	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	15.00	FT.
	TOTAL	263	FT.
WT. OF STRING		30,000	LBS.

BIT RECORD

BIT NO.	REAMER	
SIZE		
MFG.	REED	
TYPE		
NOZZLE NO.		
NOZZLE SIZE		
SER. NO.	990R	
DEPTH OUT	263	
DEPTH IN	0	
TOTAL FTG.	263	
TOTAL HR. RUN	5½	
COND. OF BIT		
REAMER NO.	1A	
REAMER TYPE		

MUD RECORD

TIME	4:00
WEIGHT	
VISC.-SEC	180
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2700 #		
CAUSTIC	50 #		

DRILLER: Brian Sadoway

FOOTAGE 263

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
0	263	RM			80	10	300	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE
4:15	5:00	¾	FINISH TRIP OUT
5:00	6:30	1½	PICK UP REAMER WELD BIT & REAMER
6:30	12:00	5½	Ream 8¾ & 13¾" HOLE
		8	

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 3 DATE FEB 17, 1972

OPERATOR: CANADIAN DELHI

LEASE: STUART D-30

WELL NO. D-30 | FIELD OR DIST. | COUNTY | STATE

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6¼ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lambert

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

REMARKS: W.W.T

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4½	7¼	1½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1½		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	1/4	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			6
OTHER	1¼	¼	
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
2	SINGLES D.P.	63.10 FT.
18	D.C. 6¼ I.D. O.D.	538.75 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS XO O.D.	1.47 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	22.00 FT.
	TOTAL	625 FT.
	WT. OF STRING	54,000 LBS.

BIT RECORD

BIT NO.	2A
SIZE	8¾
MFG.	HW
TYPE	X16
NOZZLE NO.	1 2 OPEN
NOZZLE SIZE	13
SER. NO.	31341
DEPTH OUT	625
DEPTH IN	447
TOTAL FTG.	178
TOTAL HR. RUN	4½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4:00	6:00
WEIGHT		
VISC.-SEC	90	72
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000		
CAUSTIC	50		

DRILLER: Brian Sadoway

FOOTAGE 178

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
447	625	D			120	5	600	7	58			

DEVIATION RECORD: DEPTH 480 DEV. ¾ | DEPTH 570 DEV. 1½ | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE.
12:15	1:45	1½	TRIP BIT # 1A.
1:45	3:00	1¼	BREAK CIR & CLEAN 80' FILL
3:00	4:45	1¾	DRILL 8¾" PILOT HOLE.
4:45	5:00	¼	SURVEY
5:00	7:30	2½	DRILL 8¾" PILOT HOLE.
7:30	7:45	¼	SURVEY.
7:45	8:00	¼	DRILL 8¾" PILOT HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
2	STANDS D.P.	251.03 FT.
2	SINGLES D.P.	
18	D.C. 6¼ I.D. O.D.	538.75 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS XO O.D.	1.47 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	18.05 FT.
	TOTAL	810 FT.
	WT. OF STRING	56,000 LBS.

BIT RECORD

BIT NO.	2A
SIZE	8¾
MFG.	HW
TYPE	X1C
NOZZLE NO.	1, 2
NOZZLE SIZE	13 OPEN
SER. NO.	31341
DEPTH OUT	
DEPTH IN	447
TOTAL FTG.	263
TOTAL HR. RUN	11¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5400 #	CAUSTIC	200
SAWDUST	10 SACK		

DRILLER: Dave Farquhar

FOOTAGE 1451

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
625	810	D										

DEVIATION RECORD: DEPTH 690 DEV. 1¼ | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE
8:15	11:15	3	DRILL 8¾" PILOT HOLE
11:15	11:30	¼	SURVEY @ 690
11:30	3:45	4¼	DRILL 8¾" PILOT HOLE
3:45	4:00	¼	LOST CIRC. MIX SAWDUST, FIBRE & GEL (LOST ABOUT 150 BARRELS)

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
3	STANDS D.P.	282.80 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	538.75 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS XO O.D.	1.47 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	864 FT.
	WT. OF STRING	58,000 LBS.

BIT RECORD

BIT NO.	2A
SIZE	8¾
MFG.	HW
TYPE	X16
NOZZLE NO.	3
NOZZLE SIZE	13 OPEN
SER. NO.	31341
DEPTH OUT	864
DEPTH IN	447
TOTAL FTG.	417
TOTAL HR. RUN	13¼
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		
WEIGHT		
VISC.-SEC		
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	6700	CAUSTIC	100
SAWDUST	50 SKS		
FIBRE	10 SKS		

DRILLER: Brian Sadoway

FOOTAGE 54

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
810	864	D			120	10M	650	7	58			

DEVIATION RECORD: DEPTH 790 DEV. 1° | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SER.
4:15	5:00	¾	LOST CIRC.
5:00	5:45	¾	DRILL 8¾" PILOT HOLE
5:45	6:00	¼	SURVEY @ 790
6:00	6:45	¾	DRILL 8¾" PILOT HOLE
6:45	12:00	5¼	LOST CIRC MIX LOST CIR MAT.
		8	

APPROVED — APPROVED

A.A.O.D.C.—A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 2 DATE FEB 16, 1972

OPERATOR: CANADIAN DELHI

LEASE: STUART D-30

WELL NO. D-30 | FIELD OR DIST. | COUNTY | STATE: N W T

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ | TOOL JOINT 6½ O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lodoway

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	PKRS. TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	1½	4¼	3¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1½		
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	½	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
WORK ON STEAM DRILL STEM TEST LINES	4½		
OTHER MIX LOST CIRMAT		3	4
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1½

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 2

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
5	D.C. 6¼ I.D. O.D.		151.50 FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.		1.47 FT.
	BIT ~~OR C.B.~~		.70 FT.
			FT.
	KELLY DOWN		41.00 FT.
	TOTAL		194 FT.
WT. OF STRING	30,000 LBS.		

BIT RECORD

BIT NO.	1A
SIZE	8¾
MFG.	HW
TYPE	X1G
NOZZLE NO.	1 12
NOZZLE SIZE	13 OPEN
SER. NO.	31339
DEPTH ~~OUT~~	194
DEPTH IN	0
TOTAL FTG.	194
TOTAL HR. RUN	6¾
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	3:00	7:30
WEIGHT			
VISC.-SEC	60	95	70
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	50#		

DRILLER: Brian Sadoway

FOOTAGE 61

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM'D-C
133	194	D			80	10M	300	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	90	¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE.
12:15	12:30	¼	SURVEY @ 90 - ¼°
12:30	2:00	1½	TRIP TO UNPLUG BIT 60' FILL
2:00	3:00	1	DRILL 8¾" PILOT HOLE.
3:00	7:30	4½	WORK ON STEAM LINES
7:30	8:00	½	DRILL 8¾" PILOT HOLE

BOILER STARTED FEB 14, 1972

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
11	D.C. 6¼ I.D. O.D.		330.09 FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.		1.47 FT.
	BIT ~~OR C.B.~~		.70 FT.
			FT.
	KELLY DOWN		41.00 FT.
	TOTAL		372.56 FT.
WT. OF STRING	40,000 LBS.		

BIT RECORD

BIT NO.	1A
SIZE	8¾
MFG.	HW
TYPE	X1G
NOZZLE NO.	1 12
NOZZLE SIZE	13 OPEN
SER. NO.	31339
DEPTH OUT	372
DEPTH IN	0
TOTAL FTG.	372
TOTAL HR. RUN	11
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	2:00	4:00
WEIGHT			
VISC.-SEC	40	85	65
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3500	FIBRE SEAL	45 SKS
CAUSTIC	100		
SAWDUST	80 SKS		

DRILLER: Dave Fyfe

FOOTAGE 178

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM'D-C
194	372	D			80	15	350	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	240	½°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE.
8:15	9:45	1½	DRILL 8¾" PILOT HOLE.
9:45	10:00	¼	SURVEY - MISSRUN.
10:00	10:15	¼	DRILL 8¾" PILOT HOLE
10:15	1:15	3	LOST CIR. MIX SAWDUST + FIBRE @ 265'
1:15	2:00	¾	DRILL 8¾" PILOT HOLE. (APPROX 1300 TO 1400 BLS TO FORMATION)
2:00	2:15	¼	SURVEY @ 240' - ½°.
2:15	4:00	1¾	DRILL 8¾" PILOT HOLE.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
14	D.C. 6¼ I.D. O.D.		418.42 FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS XO O.D.		1.47 FT.
	BIT ~~OR C.B.~~		.70 FT.
			FT.
	KELLY DOWN		27.00 FT.
	TOTAL		447 FT.
WT. OF STRING	46,000 LBS.		

BIT RECORD

BIT NO.	1A
SIZE	8¾
MFG.	HW
TYPE	X1G
NOZZLE NO.	1 12
NOZZLE SIZE	13 OPEN
SER. NO.	31339
DEPTH OUT	447
DEPTH IN	0
TOTAL FTG.	447
TOTAL HR. RUN	14½
COND. OF BIT	8-8-0
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	9:00	11:00
WEIGHT			
VISC.-SEC	70	90	110
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4000#	FIBRE SEAL	30 SKS
SAWDUST	100 SKS		

DRILLER: Brian Sadoway

FOOTAGE 75

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM'D-C
372	447	D			80	15	400	7	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	360	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE
4:15	5:00	¾	DRILL 8¾" PILOT HOLE
5:00	5:15	¼	SURVEY @ 360
5:15	8:00	2¾	DRILL 8¾" PILOT HOLE
8:00	12:00	4	LOST CIR MIX LOST CIR. MAT.

APPROVED APPROVED

A.A.O.D.C--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 1 DATE FEB 15, 1972

OPERATOR: CANADIAN DELHI

LEASE: STUART D-30.

WELL NO. D-30 | FIELD OR DIST. | COUNTY | STATE NWT.

CONTRACTOR: Jennings International Drilling, Division of Pancana Industries Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2 SIZE 4½ | TOOL JOINT 6 1/4 O.D. | TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwig

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	16
2.	EMSCO	DA500	16
3.			

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB TO CSG. HD.	SET AT	REMARKS

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN	1¾		
DRILLING ACTUAL			5¼
REAMING			
CONDITIONING MUD & CIRCULATING			2¼
TRIPS			¾
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	4		

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK	
HRS. W/DP	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN	FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FL.TR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Sadoway

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	4:00	8.	Rig up

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
+	SUBS ~~O.D.~~ O.D.	~~FT.~~ FT.
	BIT OR C.B.	~~FT.~~ FT.
		FT.
	KELLY DOWN	~~FT.~~ FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
NOZZLE NO.	
NOZZLE SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC.-SEC	
W.L.-C.C.	
FL.TR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
~~Gel~~	~~5500#~~		

DRILLER David Frykas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Service
8:15	4:00	7¾	Finish Rig up Floor
			Pick up Kelly.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
2	D.C. 6 1/4 I.D. O.D.	~~60.38~~ 90.58 FT.
	D.C. I.D. O.D.	FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS ~~O.D.~~ O.D.	1.47 FT.
	BIT OR C.C.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	133.75 FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	1A
SIZE	8 3/4
MFG.	HW
TYPE	XIC
NOZZLE NO.	1
NOZZLE SIZE	13
SER. NO.	31339
DEPTH OUT	
DEPTH IN	0
TOTAL FTG.	133
TOTAL HR. RUN	5¼
COND. OF BIT	0/0
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10⁰⁰
WEIGHT	
VISC.-SEC	50
W.L.-C.C.	
FL.TR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	550#		
CAUSTIC	200#		

DRILLER Dave Frykas

FOOTAGE 133

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
0	133	D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
			Pick up Prefabs
4:00	6:30	2½	Mix Mud
6:30	10:15	3¾	Drill 8¾" Pilot Hole
10:15	10:30	¼	Survey @ 60' Misrun
10:30	12:00	1½	Drill 8¾" Pilot Hole
			Spud in @ 6:30 PM FEB 15 1972

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

125° 00'

65° 00'

124° 30'

6278

6188

6187

6186

5525

5524

5523

5424

5423

96 C

BRACKET

GREAT BEAR

FISH LAKE

LAKE TAGAIS

LOON LAKE

MACKENZIE

MACKAY

CREEK

JACKFISH LAKE

RIVER

EAST

LITTLE

BEAR

YELLOW LAKE

RIVER

RUSTY LAKE

BIRCH

LITTLE

RIVER

LAKE

STEWART LAKE

TERTIARY

CRK.

SUMMIT

SMITH

BIG

SMITH

LITTLE

Stock Pile Landing

Well Location

YELLOW LAKE

BEAR RIVER

RUSTY LAKE

BIRCH

LITTLE

BIG

SMITH

LITTLE

LAKE

STEWART LAKE

TERTIARY

CRK.

SUMMIT

Well Location

Existing Trai

Stock Pile Landing

Airstrip 250' wide, 5000' long (on Gravel Bar)

CANDEL DECLRI et al Stewart B-30

KEELE

CREEK

RIVER

MOOSE

RED DOG CRK.

WEST

MIDDLE

CREEK

CREEK

5523 5424 96 C 5423

5422 5421

5420

5419 5418 5417

64° 00'

128° 00'

REVISIONS	
BY	DATE

CANADIAN DELHI OIL LTD.

CALGARY ALBERTA

FORT NORMAN AREA

NORTHWEST TERRITORIES

PROPOSED WELL LOCATION

DRAWN BY : C.B. JAMES	DATE : OCT 26, 1971.	INTERPRETATION BY
CHECKED BY :	DATE :	DATE :
SCALE : MILES 2 1 0 2		File No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION DIVISION
RECEIVED
JAN 21 1972
NORTHERN ECONOMIC DEVELOPMENT BRANCH