Drilling Authority No. 557

Date Issued 23-11-71

WELL NAME Candel DECKMG et al Tate J-65

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

LOCATION: Unit J Section 65 Grid 64-30-125-15

Latitude 64.24.39 Longitude 125.26.48

U.W.L.R. 64.410833 — 125.446667

U.W.I. 300J656430125150

Rig Release Date: 05-02-72

Status D + A

Information Release Date 05-02-74

CHANGE OF NAME:

DATE RECEIVED	INDEX
17-12-71	Application for a Drilling Authority.
10-03-72	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.
6-12-71	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Cord.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

Dr. Berry

(5)

REVISED

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

OIL & GAS DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. / *N° de l'autorisation de forage*: 557

Date Issued / *Date de délivrance*: November 23/71

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 DEMING et al Tate J-65	5523	–

(Permittee, License, Lessee) — *(Détenteur de permis ou de licence, du concessionnaire)*	Exploratory Licence No. — *N° de licence de sondage*
*See Below	–

(Operator) — *(Exécutant)*	Exploratory Licence No. — *N° de licence de sondage*
Canadian Delhi Oil Ltd.	1038

LOCATION *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
J	65	64-30-125-15	64°21'39"	125°26'48"

Unique Well Identifier — *Code d'ordinateur*	Universal Well Location Reference — *Références universelles d'emplacement du puits*
300J656430125150	64.410833° N 125.446667° W

	Date	Depth — *Profondeur*
Spudded / *Début des travaux*	12:01 A.M. Nov. 30/71	
Suspended / *Suspension des travaux*	–	
Resumed Operations / *Reprise des travaux*	–	
Finished Drilling / *Forage terminé*	Jan. 26/72	9298' Dr.
Deepened / *Approfondissement*	–	
Completed (Gas/Oil) / *Achèvement (Gaz/Pétrole)*	–	
Abandoned / *Abandon*	Feb. 8/72	
Rig Released / *Fin des travaux*	7:30 P.M. Feb. 8/72	

Pool(s) / *Gisement(s)*: --

Interval(s) Open to Production / *Intervalle(s) de production*: --

Elevation: Gr. / *Altitude du sol*: 1972' K.B. / *du carré d'entraînement*: 1983'

Rig No. / *N° de la tour de forage*:

Drilling Contractor / *Entrepreneur en forage*: Jennings Internat. 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. Conductor Pipe 16"	shop fabricated			37' Grd.	Cemented Full Length
2. 9-5/8"	K-55	36#	1025.84	1038' K.B.	790 sx. + 2% $CaCl_2$
3.					
4.					
5.					
6.					

Geological Tops / *Sommet des formations*	Elevation / *Profondeur* Depths / *Sous le niveau du sol*	Subsea / *Sous le niveau de la mer*
Cretaceous	280	+ 1713
Upper Sands	3744'	- 1751
Bituminous Sh.	5529'	- 3536
Devonian		
Imperial	5742'	- 3749
Hume	5992'	-3999
Bear Rock	6568'	- 4575
Sil/Ord.		
Ronning	7602'	- 5609
Lower Ronning	8412	- 6419
Total Depth - Sch.	9294'	- 7301
Drl.	9298'	- 7305

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*
	Schlumberger:		
1	Dual Induction-Laterolog	9294'	1028'
1	BHC Sonic Log	9290'	1028'
1	Formation Density Log	9290'	1028'
1	Sidewall Neutron Porosity	9290'	1028'
1	Continuous Dipmeter	9270'	5800'

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 10 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

* Permittee
Western Decalta Petroleums
Petrol Oil & Gas
Petrorep

No. 1420
No. 1427
No. 1~~411~~

Corexcal No. 1422
Kerr McGee of Canada
Northwest Ltd. No. 1614

52-90-2 (7-71)

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

Date	From – de	To – à	Remarks – Remarques
4-2-72	8500	8350	70 sx. + 2% $CaCl_2$
5-2-72	7650	7550	50 sx. + ". @ 7516'
6-2-72	7330	7180	75 sx. + ". @ 7175'
7-2-72	6600	6500	50 sx. + ". @ 6480'
"	6150	5950	90 sx. + ". @ 5949'
"	4200	4050	75 sx. No feel.
"	3850	3700	75 sx. + 2% $CaCl_2$. @ 3690'
8-2-72	1070	975	55 sx. + " @ 950'
9-2-72	Surface		5 sx. Plate welded on same.

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

Date	From – de	To – à	Remarks – Remarques
			None

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

Date	From – de	To – à	Remarks – Remarques
			None

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 définit	I.H.P. Pression hydrostatique de début	F.H.P. Pression hydrostatique définitif	Remarks – Remarques
1	Dec. 18	Cretaceous	4110	4152	22	20	35	-	1229.7	268.0	621.9	1975.2	1975.2	700' M.C.W.
2	Dec. 28	Dev. - Hume	5992	6030	92	26	86	2075.1	2041.9	279.7	928.0	2 58.1	2940.4	550' OFCW, 1488' GSW
3.	Jan. 2	Dev.-Bear Rk.	6586	6620	30	30	30	1970.4	1950.7	-	-	3212.9	3214.3	Misrun.
4	Jan. 7	Dev.-Bear Rk.	7200	7285	38	35	57	2074.3	1048.3	274.3	368.6	3562.9	3562.9	900' mud - tr. condensate
5	Jan. 28	Dev.-Bear Rk.	7360	7250	30	30	30	-	-	-	-	3542.9	3542.9	Misrun.
6	Jan. 29	Sil/Ord.-Romn.	8610	8410	34	27	56	2682.9	2438.6	314.3	351.4	4138.7	4138.7	300' WCM, 462' M.
7	Jan. 31	Dev.-Bear Rk.	7360	7250	-	-	-	-	-	-	-	-	-	Misrun.
8	Jan. 31	Dev.-Bear Rk.	7360	7250	40	30	60	-	-	-	-	3614.3	3611.3	Misrun.
9	Feb. 1	Dev.-Bear Rk.	7360	7250	115	20	135	-	-	-	-	3580.0	3580.0	Misrun.
10	Feb. 3	Dev.-Bear Rk.	7350	7245	70	40	83	-	1603.4	2161..	258.6	3721.7	3721.7	2027' WCM. 978' sl. gassy muddy salt water

ANALYSIS – ANALYSE

Lab. No. N° de laboratoire	Sample Echantillon	From – de	To – à	Source	Remarks – Remarques
933-11583	M.C.W.	4110	4152	DST. #1	Mud Filtrate Analysi
933-213	G.S.W.	5992	6030	DST. #2 - Top - of tool	Water Analysis
901-227	Mud	7200	7285	DST. #4 - Tool chamber	Gas-Condensate analy & Mud Filtrate analy.
				Top of Tool	Mud Filtrate analy.
933-2248	Muddy-Wat.	8610	8410	DST.6 - Tl.Cham	Water Analysis
933-2248	Muddy-Wat.	7350	7245	DST.10 - Tl.Cham	Water Analysis
933-2198	Mud	8610	8410	DST.6 - Top Tool	Mud Filtrate Analy.
933-2198	Mud	7350	7245	DST.10- Top Tool	Mud Filtrate Analy.

PRESENT STATUS OF WELL — ETAT ACTUEL DU PUITS

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

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

Dry Sec ..... Dry & Abandoned

Susp. Travaux sus. .....

Company Société ..... CanDel Oil Ltd.

Signed by Signé par .....

Title Titre ..... Vice Prescient, Production

Date ..... March 6, 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 & [redacted] DIVISION
DIVISION [redacted]ÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 557
N° de l'autorisation de forage

Date Issued November 23/71
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 DECKMG et al Tate J-65	5523	–

(Permittee, License, Lessee) — *(Détenteur de permis ou de licence, du concessionnaire)*	Exploratory Licence No. — *N° de licence de sondage*
*See Below	–

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

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
J	65	64-30-125-15	64°24'39"	125°26'48"

Unique Well Identifier — *Code d'ordinateur*	Universal Well Location Reference — *Références universelles d'emplacement du puits*
300J656430125150	64.410833° N 125.446667° W

	Date	Depth — *Profoneur*
Spudded *Début des travaux*	12:01 A.M. Nov. 30/71	
Suspended *Suspension des travaux*	–	
Resumed Operations *Reprise des travaux*	–	
Finished Drilling *Forage terminé*	Jan. 26/72	
Deepened *Approfondissement*	–	
Complete (Gas/Oil) *Achèvement (Gaz/Pétrole)*	–	
Abandoned *Abandon*	Feb. 8/72	
Rig Released *Fin des travaux*	7:30 P.M. Feb. 8/72	

Pool(s) *Gisement(s)* --

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

Elevation: Gr. *Altitude du sol* 1972' K.B. *du carré d'entraînement* 1993'

Rig No. *N° de la tour de forage* 9

Drilling Contractor *Entrepreneur en forage* Jennings Internat. 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. Conductor Pipe 16"	shop fabricated			37' Grd.	Cemented Full Length
2. 9-5/8"	K-55	36#	1029.84	1028' K.B.	790 sx. + 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*
Cretaceous	280	+ 1713
Upper Sands	3744'	- 1751
Bituminous Sh.	5529'	- 3536
Devonian		
Imperial	5742'	- 3749
Hume	5992'	- 3999
Bear Rock	6568'	- 4575
Sil/Ord.		
Ronning	7602'	- 5609
Lower Ronning	8412	- 6419
Total Depth - Sch.	9294'	- 7301
Drl.	9298'	- 7305

Core Record — *Carottes*

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

Log Record — *Diagrammes*

Run *Série*	Type of Log *Genre de diagramme*	From — *De*	To — *À*
	Schlumberger:		
1	Dual Induction-Laterolog	9294'	1028'
1	BHC Sonic Log	9290'	1028'
1	Formation Density Log	9290'	1028'
1	Sidewall Neutron Porosity	9290'	1028'
1	Continuous Dipmeter	9290'	5800'

DEPT. OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 10 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC BRANCH

* Permittee
Western Decalta Petroleums
Petrol Oil & Gas
Petrorep

No. 1420
No. 1427
No. 1421

Corexcal No. 1422
Kerr McGee of Canada
Northwest Ltd. No. 1614

52-90-2 (7-71)

CEMENTING RECORD (Plug, Squeeze, etc.) *CIMENTATION (Bouchon, sous pression, etc.)*				PERFORATING RECORD (Bullet, Jet) *PERFORATION (à balles, à jet)*				SERVICING RECORD (Acidizing, Fracing, etc.) *ENTRETIEN (acidification, fracturation, etc.)*			
Date	From – *de*	To – *à*	Remarks – *Remarques*	Date	From – *de*	To – *à*	Remarks – *Remarques*	Date	From – *de*	To – *à*	Remarks – *Remarques*
			None				None				None

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*	I.H.P. *Pression hydrostatique de début*	F.H.P. *Pression hydrostatique définitif*	Remarks – *Remarques*
1	Dec. 18	Cretaceous	4110	4152	22	20	35	–	1229.7	258.0	621.9	1975.2	1975.2	790' M.C.W.
2	Dec. 28	Dev. – Hume	5992	6030	92	26	86	2075.1	2041.9	279.7	929.0	2958.1	2949.4	550' OFGMW, 1488' GSW
3.	Jan. 2	Dev.-Bear Rk.	6586	6620	30	30	30	1970.4	1950.7	–	–	3212.9	3214.3	Misrun.
4	Jan. 7	Dev.-Bear Rk.	7200	7285	38	35	57	2274.3	1949.3	274.3	368.6	3562.9	3562.9	900' mud – tr. condensate
5	Jan. 28	Dev.-Bear Rk.	7360	7250	30	30	30	–	–	–	–	3542.9	3542.9	Misrun.
6	Jan. 29	Sil/Ord.-Ronn.	8610	8410	34	27	56	2682.9	2438.6	314.3	351.4	4138.7	4138.7	200' WCM, 462' M.
7	Jan. 31	Dev.-Bear Rk.	7360	7250	–	–	–	–	–	–	–	–	–	Misrun.
8	Jan. 31	Dev.-Bear Rk.	7360	7250	40	30	60	–	–	–	–	3614.3	3614.3	Misrun.
9	Feb. 1	Dev.-Bear Rk.	7360	7250	115	20	235	–	–	–	–	3580.0	3580.0	Misrun.
10	Feb. 3	Dev.-Bear Rk.	7350	7245	70	40	83	–	1693.4	2161.9	2589.6	3721.7	3721.7	2927' WCM. 978' sl. gassy muddy salt water

ANALYSIS – *ANALYSE*

Lab. No. *N° de laboratoire*	Sample *Echantillon*	From – *de*	To – *à*	Source	Remarks – *Remarques*
933-11583	M.C.W.	4110	4152	DST. #1	Mud Filtrate Analysis
933-213	G.S.W.	5992	6030	DST. #2 – Top of tool	Water Analysis
901-227	Mud	7200	7285	DST. #4 – Tool chamber	Gas-Condensate analy. & Mud Filtrate analy.
				Top of Tool	Mud Filtrate analy.
933-2248	Muddy-Wat.	8610	8410	DST.6 – Tl.Cham	Water Analysis
933-2248	Muddy-Wat.	7350	7245	DST.10 – Tl.Cham	Water Analysis
933-2198	Mud	8610	8410	DST.6 – Top Tool	Mud Filtrate Analy.
933-2198	Mud	7350	7245	DST.10– Top Tool	Mud Filtrate Analy.

PRESENT STATUS OF WELL
ETAT ACTUEL DU PUITS

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

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

Dry *Sec* Dry & Abandoned

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

Company *Société* CanDel Oil Ltd.

Signed by *Signé par* R. H. Turner

Title *Titre* Vice President, Production

Date March 8, 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. 557
Project No.

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 DECKMG et al Tate J-65

Location: Unit J Section 65 Grid 64-30-125-15
Latitude 64° 24' 39" Longitude 125° 26' 48"
Unique Well Identifier 300J656430125150
Universal Well Location Reference 64.410833°N 125.446667°W

Elevation: Ground 1972' (shot point 1790) K.B. 1985' (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. 5523 Lease No. - Acreage 27,667
Permittee, licensee, or lessee (Attached)
Explanatory Licence No. (See attached)
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:–

Casing 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:–
At well D. R. Nelson
Address 330-5th Ave. S.W., Calgary 1
Contractor's Business Licence No. 770
At registered office R. K. Terrell
Address 330-5th Ave. S.W., Calgary 1, Alta.

It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Calgary, this 8th day of November 19 71
Signed by
Title Land Manager Company CANADIAN DELHI OIL LTD.
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:
1. Any indication of lost circulation, oil, gas or water above 1000' are to be reported to the Yellowknife office before drilling ahead.
2. See attached sheet for further requirements.

Dated November 23 1971

District Conservation Engineer

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

IAND 52-90-1 (7-71)

Voir au verso

CANADA

Drilling Authority No. 557

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 DECKMG et al Tate J-65

Location: Unit J Section 65 Grid 64-30 -125 -15

Latitude 64°24'39" Longitude 125°26'48"

From Established Reference Marker Seismic Survey & Elevation

Universal Well Location Reference 64.410833° N - 125.446667° W

Permit No. 5523 Lease No. -

Western Decalta Petroleums No. 1420
(Permittee, Licencee, Lessee)

Date of commencement of proposed program Feb. 4/72

Petrol Oil & Gas 1427
Petrorep 1421
Corexcal 1422
Kerr McGee of Can. 1614

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None

Gas at Trace on DST. 5992-6030'

Water at 4110-4152; 8610-8410; 7350-7245 (D.S.T.'s)

Total Depth 9298' Date of last operations Feb. 3, 1972 (D.S.T.)

Present condition of well T.D. Tested, Logging Completed, Hole open to T.D., standing full of drilling fluid.

After carrying out program well was P. & A. - Rig released 7:30 p.m. Feb. 8/72

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 16" Conductor	Shop Fabricated	37'	37' G.L.	Cemented Full Length	None
2. 9-5/8" Surface	36#	1029.84	1028' K.B.	790 sacks + 2% $CaCl_2$	None
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1.	8500-8350'	Lower Ronning	70 + 2% $CaCl_2$	No fee!
2.	7650-7550'	Sil/Ord.-Ronning	50 + 2% $CaCl_2$	Felt at 7516'
3.	7330-7180'	Sil/Ord.-Ronning	75 + 2% $CaCl_2$	Felt at 7175'
4.	6600-6500'	Bear Rock	50 + 2% $CaCl_2$	Felt at 6480'
5.	6150-5950'	Hume	90 + 2% $CaCl_2$	Felt at 5949'
6.	4200-4050'	Lower Cretaceous	75 + 2% $CaCl_2$	No fee!
7.	3850-3700'	Upper Cretaceous	75 + 2% $CaCl_2$	Felt at 3690'
8.	1075-975	In & Out of Surface Csg.	55 + 2% $CaCl_2$	Felt at 950', 3:30 p.m. Feb. 8/72
9	Top Surface Csg.		5 & Plate	2:00 a.m. Feb. 9/72

The following logs have been run Dual Ind. Laterolog; BHC Sonic; Form. Density; Sidewall N-Por; Dipmeter

Other operations proposed None

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

Address Edmonton and Calgary Address

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

Dated at Calgary, this 28th Day of February 1973

Signed by W. H. Carell 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:

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

Dated March 21, 1973 District Conservation Engineer

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

IAND 52-90-5 (7-71)

Voir au verso

CANADA

Drilling Authority No. 596

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 DECKMG et al Ft Norman K-14

Location: Unit K Section 14 Grid 65-00-125-15

Latitude 64° 53' 42" Longitude 125° 18' 08"

From Established Reference Marker Seismic Survey & Elevations

Universal Well Location Reference Lat. N 65.89500° - Long. W 125.30222°

Permit No. 6188 Lease No.

Western Decalta Petroleum No. 1454
(Permittee, Licencee, Lessee)
Petrol O. & G. No. 1460
Petrorep No. 1453
Corexcal No. 1456
Kerr McGee No. 1486

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None

Gas at None

Water at DST. 2234-2400' = 540' muddy fresh water - Ronning

Total Depth 2810' Date of last operations April 27, 1972

Present condition of well Well plugged and abandoned.
Hole open to T.D. - logged, tested, standing full drilling fluid
After carrying out program was plugged & abandoned - Rig released noon, April 27/72

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 16" Conductor	Shop Fab.		38' G.L.	Cemented full length	None
2. 9-5/8"	36#		321' K.B.	250 + 2% $CaCl_2$	None
3.				topped w/15 sacks	
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	2810-2710	Lower Ronning	40	No Feel
2	2300-2200'	Top Ronning, Base Cretaceous	100 + 3% $CaCl_2$	Felt @ 2170'
3	367-267'	In and Out of Surface Csg.	100 + 3% $CaCl_2$	Felt @ 200'
4	Surface	In top Casing - plate welded on same	5	

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

Other operations proposed None

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

Address Edmonton and Calgary Address

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

Dated at Calgary, this 23rd Day of February 19 73

Signed by M. M. Terrell 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:

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

Dated 21-MARCH-73, 19

R. L. Price.
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

Western Decalta Petroleum	Licence No.	1420
Petrol Oil & Gas	" "	1427
Petrcrep	" "	1421
Corexcal	" "	1422
Kerr McGee of Canada Northwest Ltd.	" "	1614

CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO. 557
FOR Candel DECKMG et al Tate J-65

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

GEOLOGICAL PROGNOSIS

Well Name: Candel DECKMG et al Tate J-65

Location: J-65-64-30-125-15

Elevation: Ground 1972' (shot point 1790)

K.B. Est. 1985

Operator: Canadian Delhi Oil Ltd.

Contractor: Jennings International Drilling, Rig #9

Markers:

Formation	Drilling Depth	Sub-Sea Depth
Tertiary	near surface	
Cretaceous	?	
Upper Sands	3740	-1755
Base U. Sands	4290	-2305
Devonian Imperial	5830	-3845
Hume	6250	-4265
Bear Rock	6700	-4715
Sil-Ordovician		
Ronning	7850	-5865
Total Depth	9500	-7515

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

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

****

821-11-4-5

WELL HISTORY REPORT

ON

CANDEL DECKMG ET AL TATE J-65

This is a concise report of the operations
conducted at the well

Candel DECKMG et al Tate J-65

Data in this report was compiled for CanDel Oil Ltd.,
by W. R. Smith, P. Eng., and T. A. D. Haddow, P. Geol.,
geological consultants at the well

K. E. Basaraba,
CanDel Oil Ltd.

May 15, 1972

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

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 16 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC BRANCH

WELL HISTORY REPORT

ON

Candel DECKMG et al Tate J-65

64° 24' 39" N 125° 26' 48" W

NORTHWEST TERRITORIES

CANADA

FOR

CANDEL OIL LTD.

March 7, 1972

Submitted By:

W. R. Smith, P. Eng. &
T.A.D. Haddow, P. Geol.

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GEOLOGICAL CONDITIONS IN THE WELL

Candel DECKMG et al Tate J-65 was drilled on a seismic structure at the south end of the Mackay Range in the Fort Norman Area of the Northwest Territories. This seismic structure was verified by the drilling.

The Upper Sands of the Cretaceous were encountered at 3744' approximately the same as prognosed. The sands were well developed but had no evidence of oil or gas. A test of one of the lower developments yielded fresh water and log interpretations on the remaining developments indicate a reservoir containing water.

The Devonian Imperial formation was encountered at 5742' and the Hume formation at 5992'. The Hume in this well consisted of a massive dolomite which is unknown in the Hume of the area. A test of this dolomite yielded salt water with a show of oil and gas.

The Bear Rock primarily a dolomite was encountered at 6568', was slightly porous and yielded only mud on test. Testing lower in the Bear Rock yielded water cut mud and water with a show of condensate although no gas reached surface.

The Ronning formation was encountered at 7602' and porosity in this formation was encountered and tested at 8410 - 8610 yielding slightly water cut mud.

In summation the seismic is indicating structure, oil and gas shows are evidence pointing to probable gas and or oil fields in the area. The presence of the massive dolomite at the top of the Hume is analogous for an area where the formation is generally limestone. Such a bed may have stratigraphic trap possibilities in an updip direction.

SUMMARY OF WELL DATA

Name of Well:	Candel DECKMG et al Tate J-65
Location:	64° 24' 39" N 125° 26' 48" W Unit J, Section 65, Grid 64-30-125-15
Universal Well Location Reference:	64.410833° N 125.446667° W.
Permittees:	Western Decalta Petroleum Licence No. 1420 Petrol Oil & Gas " " 1427 Petrorep " " 1421 Corexcal " " 1422 Kerr McGee of Canada Northwest Ltd. " " 1614
Operator:	CanDel Oil Ltd., 28th floor, One Calgary Place, 330 - 5th Avenue S.W., Calgary 1, Alberta.
Unique Well Identifier:	300J656430125150
Permit No:	5523
Acreage:	27,667
Drilling Contractor:	Jennings International Drilling Rig #9, GA 500 Emsco
Drilling Authority:	557 Issued November 23, 1971
Operator's Licence No:	1938
Classification:	Wildcat
Elevations:	Ground Level 1972 Kelly Bushing 1993
Spudded:	12:01 A.M. November 30, 1971
Drilling Completed:	January 26, 1972
Total Depth:	Driller. 9298' Loggers 9294'
Well Status:	Dry and Abandoned
Rig Release:	7:30 P.M. February 8, 1972

Hole Sizes:

Surface	13-3/4"	0	-	1028' K.B.
Main	8-3/4"	1028	-	9298' K.B.

Casing:

Conductor Pipe - 16" shop fabricated, ran 37' landed at ground elevation, cemented full length.
Surface Casing - On December 6, 1972, ran 25 joints of 9-5/8", 36#, K-55, 8 rd, Range 1, ST & C casing being 1029.84' landed at 1028' K.B. and cemented with 790 sacks of Portland cement plus 2% $CaCl_2$.

Drill Stem Tests:

D.S.T. No. 1 - Interval 4110-4152
Recovery 790' mud cut fresh water

D.S.T. No. 2 - Interval 5992-6030
Recovery 550' oil flecked, gas cut muddy water
1488' gas cut salt water

D.S.T. No. 3 - Interval 6586-6620
Recovery 50' mud MISRUN

D.S.T. No. 4 - Interval 7200-7285
Recovery 900' mud

D.S.T. No. 5 - Interval 7250-7360
MISRUN

D.S.T. No. 6 - Interval 8410-8610
Recovery 200' slightly water cut mud, 462' mud

D.S.T. No. 7 - Interval 7360-7250
MISRUN

D.S.T. No. 8 - Interval 7360-7250
Recovery 10' mud MISRUN

D.S.T. No. 9 - Interval 7360-7250
MISRUN

D.S.T. No. 10 - Interval 7350-7245
Recovery 2927' water cut drilling mud, 978' slightly gassy, muddy salt water

Geologist: W. R. Smith and T.A.D. Haddow

Engineer: D. R. Nelson

Tool Pusher: G. Ludviksen

FORMATION TOPS

Formations	Prognosis Depth	Prognosis Elevation	Sample Depth	Sample Elevation	E-Log Depth	E-Log Elevation
Tertiary	Near surface					
Cretaceous			280	+1713		
Upper Sands	3740	-1755	3746	-1753	3744	-1751
Base of Upper Sands	4290	-2305	4390	-2397		
Bituminous Shale					5529	-3536
Devonian						
Imperial	5830	-3845	5880	-2887	5742	-3749
Hume	6250	-4265	5989	-3996	5992	-3999
Bear Rock	6700	-4715	6565	-4572	6568	-4575
Sil-Ordovician						
Ronning	7850	-5865	7540	-5547	7602	-5609
Lower Ronning					8412	-6419
Total Depth	9500	-7515	9298	-7305	9294 Schlumberger	-7301
					9298 Drillers	-7305

CANDEL DECKMG ET AL TATE J-65

SAMPLE DESCRIPTIONS (Unlagged Samples)

40 - 180	Conglomerate - black to grey chert pebbles, clear to brown quartz and quartzite pebbles, (angular to round)
180 - 220	Conglomerate - black to light grey chert, varicolored quartzite and quartz, medium coarse, (subangular to rounded)
220 - 240	Conglomerate - black to light grey chert, varicolored quartzite and quartz, coarse, (round to sub-round)
240 - 260	Conglomerate - varicolored quartzite, black and light grey chert, coarse to medium grained, (angular to rounded grains)
260 - 280	Conglomerate - black to light grey chert, varicolored quartzite, very coarse, (round to sub-round)
280 - 300	Siltstone - grey, medium hard, carbonaceous partings, shaly in small part
300 - 310	Siltstone - grey and grey brown, medium hard, carbonaceous partings in part, shaly in part. Coal - black, good lustre, (subconcoidal fracture)
310 - 330	Conglomerate - black to grey chert, varicolored quartzite, very coarse, (rounded to sub-rounded)
330 - 370	Siltstone - grey, medium hard, carbonaceous partings, shaly in part. Sandstone - light grey to grey, medium hard, fine grained to very fine grained, poor sorting, quartzose (sub-angular to sub-rounded grains) chert, (sub-rounded grains) calcareous in part, trace of coal - black, medium hard, good lustre,(sub-concoidal fracture)
370 - 380	Conglomerate - black to light grey chert, varicolored quartzite, very coarse, (rounded to sub-angular), most probably cavings
380 - 390	Conglomerate - black to light grey chert, varicolored quartz and quartzite, fine to medium grained, (angular to rounded fragments), (broken conglomerate), poor sample
390 - 410	Sandstone - grey to grey green, medium hard, (salt and pepper), fine grained, poorly sorted, quartzose (sub-angular to rounded grains), chert (sub-rounded to rounded grains), glauconitic in part, calcareous, micaceous in part, poor sample

410 - 440	Sandstone - grey to grey green, medium hard, (salt and pepper), medium grained grading to siltstone, quartzose (sub-rounded to rounded grains), chert (sub-rounded to rounded grains), micaceous, much grey green clay matrix, slightly calcareous, much carbonaceous material, poor sample
440 - 460	Conglomerate - black to light grey chert, light grey and brown quartzite, very coarse grained. Sandstone - grey, medium hard, fine grained grading to siltstone, poorly sorted, quartzose (rounded to sub-angular grains), chert (rounded grains), micaceous, slightly glauconitic, slightly calcareous, very poor sample
460 - 500	Siltstone - grey, grey brown and grey green, medium hard, carbonaceous partings. Sandstone - light grey to grey, (salt and pepper), medium hard, fine grained grading to siltstone, poorly sorted, quartzose (sub-angular grains), chert (sub-rounded to round grains), calcareous. Shale - grey green and grey, medium hard, carbonaceous partings
500 - 510	Very poor sample
510 - 570	Conglomerate - black to grey and brown chert, varicolored quartz and quartzite, medium grained, angular to rounded fragments. Sandstone - light grey to grey, (salt and pepper), medium hard, fine grained, poorly sorted, quartzose (sub-angular grains), chert, (sub-rounded to rounded grains), calcareous. Very poor sample
570 - 580	Siltstone - grey, medium hard, carbonaceous partings. Very poor sample
580 - 610	Shale - grey brown, soft, Very poor sample
610 - 660	Shale - grey and grey brown, soft, carbonaceous partings in part, silty in part. Poor sample
660 - 670	No sample
670 - 790	Siltstone - grey, medium hard, carbonaceous partings. Shale - grey, medium hard to soft, carbonaceous partings.
790 - 830	Shale - grey to dark grey, soft to medium hard, carbonaceous partings in part, silty in small part, micromicaceous in part. Poor sample
830 - 850	Shale - grey and grey brown, medium hard, carbonaceous partings in small part. Sandstone - light grey to grey, medium hard, fine grained grading to siltstone, unsorted, chert grains (sub-rounded), quartzose (sub-rounded grains), slightly calcareous, clay matrix in part, Poor samples

850 - 950	Shale - grey and grey brown, medium hard, carbonaceous partings in small part. Siltstone - grey and grey brown, medium hard. Floating chert pebbles - black, small to medium, round. Poor samples
950 - 1000	Shale - grey and grey brown, medium hard to soft, trace of carbonaceous parting, silty in part
1000 - 1010	Siltstone - grey, medium hard. Shale - grey, buff and brown, medium hard, slightly calcareous in part. Chert fragments - varicolored, angular. Quartz fragments - varicolored, angular
1010 - 1030	Siltstone - grey, medium hard
1030 - 1040	Claystone - white to buff, medium hard, to very slightly calcareous, many floating sand grains, medium to coarse grained, quartz (sub-angular to rounded), frosted in part, chert (sub-round)
1040 - 1050	Shale - grey, soft, silty in part. Coal (trace) - black, medium hard
1050 - 1070	Shale - grey, soft, silty in part
1070 - 1110	Siltstone - grey, soft to medium hard, shaly in part
1110 - 1150	Sand (unconsolidated) - black to grey, fine, chert grains (angular to rounded), clear and grey quartz grains (sub-rounded) (poor sample)
1150 - 1170	Shale - dark grey, medium hard, silty in small part, carbonaceous. Trace of coal - black, good lustre
1170 - 1190	Shale - grey to dark grey, medium hard, carbonaceous partings, micaceous, sandy (sub-rounded, fine grains of chert), silty in part
1190 - 1230	Shale - grey, medium hard, carbonaceous partings, sandy (chert grains - black, round, fine to medium grained) Sandstone - grey, medium hard, fine grained grading to siltstone, unsorted, chert (sub-rounded to rounded grains), quartzose (sub-rounded to rounded grains, frosted), micaceous, clay matrix
1230 - 1240	Siltstone - grey, medium hard, micromicaceous. Shale - grey, medium hard, carbonaceous partings in small part
1240 - 1260	Shale - grey, medium hard, carbonaceous partings, silty in part. Siltstone - grey, medium hard, micromicaceous

1260 - 1280	Shale - grey, medium hard, carbonaceous partings in part, micromicaceous. Sandstone - light grey, (salt and pepper), medium hard, fine grained grading to siltstone, poor to medium sorting, quartzose (sub-rounded grains), cherty (sub-rounded grains), micaceous, calcareous
1280 - 1300	Conglomerate - black to grey chert, unconsolidated, coarse grained grading to sandstone, grey, medium hard, fine to very fine grained, poorly sorted, quartzose (sub-angular to sub-rounded grains), cherty, (sub-rounded to rounded grains), trace of feldspar - white, clay matrix in part
1300 - 1330	Siltstone - grey, medium hard, micaceous. Shale - grey, medium hard, carbonaceous partings
1330 - 1350	Shale - grey, medium hard, carbonaceous partings. Siltstone - grey, medium hard, carbonaceous partings, calcareous. Sandstone - grey, medium hard to soft, fine grained grading to siltstone, poor sorting, cherty, (sub-rounded to rounded grains), quartzose (sub-angular to sub-rounded grains), micaceous, very slightly calcareous
1350 - 1400	Shale - grey, medium hard. Siltstone - grey, medium hard
1400 - 1440	Siltstone - grey, medium hard, micaceous, carbonaceous partings. Shale - grey, medium hard, carbonaceous partings. Sandstone - light grey to grey, medium hard, fine grained, grading to siltstone, poorly sorted, cherty (sub-rounded to rounded grains), quartzose (sub-rounded to rounded grains), micaceous, very slightly calcareous, clay matrix in part
1440 - 1460	Siltstone - grey, medium hard, micro-micaceous, carbonaceous partings. Shale - grey, medium hard, carbonaceous partings. Trace of sandstone - grey and grey green, medium hard, medium to very fine grained, poor sorting, chert (sub-rounded to rounded grains), quartzose (sub-rounded grains), micaceous, calcareous in part, carbonaceous partings in part, some clay matrix
1460 - 1490	Shale - grey, medium hard, micromicaceous. Siltstone - grey, medium hard, micaceous
1490 - 1500	Siltstone - grey, medium hard, micaceous, very slightly calcareous. Shale - grey, medium hard, micromicaceous. Trace of sandstone - grey, (salt and pepper), fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), micaceous in part, pyrite matrix common

1500 - 1510	Shale - grey, medium hard, micromicaceous in part. Siltstone - grey, medium hard micromicaceous, trace of pyrite
1510 - 1520	Shale - grey, medium hard, micromicaceous, carbonaceous partings. Siltstone - grey, medium hard, micaceous, carbonaceous partings. Trace of coal - black, good lustre, sub-conchoidal fracture
1520 - 1550	Shale - grey, medium hard, carbonaceous in part, silty in part. Sandstone - grey, (salt and pepper), medium hard, fine grained, grading to siltstone, medium sorting, quartzose (sub-angular grains), chert (sub-rounded grains), calcareous in part, pyrite matrix in part
1550 - 1560	Shale - grey, medium hard, micromicaceous, sandy in part, fine grains of chert, black, sub-angular. Siltstone - grey, micromicaceous, medium hard,
1560 - 1570	Shale - grey and dark grey, micromicaceous, medium hard, bentonitic in part, calcareous in part
1570 - 1580	Shale - light to dark grey and light grey green, medium hard to soft, micromicaceous in part, bentonitic in part, carbonaceous in part. Trace sandstone - light grey and light grey green, medium hard, fine to very fine grained, medium sorting, chert (sub-rounded grains), quartzose (sub-angular grains), apple green clay matrix in part
1580 - 1610	Shale - light to dark grey, micromicaceous, bentonitic in part
1610 - 1630	Siltstone - grey, medium hard, carbonaceous, micromicaceous, calcareous
1630 - 1640	Shale - grey to dark grey, medium hard, micromicaceous in part
1640 - 1650	No sample
1650 - 1680	Siltstone - grey, medium hard, slightly calcareous. Shale - black, very hard, siliceous, micromicaceous. Trace of shale - grey green, soft to medium hard, silty in part
1680 - 1690	Siltstone - grey, medium hard, calcareous, micromicaceous. Shale - dark brown to black, medium hard, micromicaceous, siliceous. Shale - white to light grey green, medium hard. Limestone - cream to buff and grey, medium hard to very hard, siliceous in small part, fine to cryptograined, pyrite

1690 - 1700	Siltstone - grey, medium hard, calcareous in part, micromicaceous. Sandstone - grey, (salt and pepper), medium hard, fine grained, poorly sorted, chert (sub-angular), quartzose (sub-angular), slightly calcareous, clay matrix in part. Shale - white to light grey green, medium hard
1700 - 1750	Shale - grey and dark grey, medium hard to soft, bentonitic, micromicaceous in part, very slightly calcareous
1750 - 1810	Shale - grey and dark grey, medium hard to soft, bentonitic, micromicaceous in part. Limestone - buff and grey, medium hard, cryptograined. Shale - white to light grey green, medium hard, pyritic in part, sandy in part, quartz fossils, varicolored, (sub-angular), fine grained, chert - (sub-rounded)
1810 - 1900	Shale - grey to dark grey, soft to medium hard, bentonitic in part, micromicaceous in part. Shale - white to light grey green, medium hard. Siltstone - grey, medium hard, micaceous in part. Pyrite.
1900 - 1910	Claystone - white, cream and light grey green, medium hard, sandy - clear, quartz, fine grained, (sub-angular)
1910 - 1920	Shale - grey to dark grey, soft to medium hard, bentonitic in part, micromicaceous in part
1920 - 1950	Shale - grey to dark grey, soft to medium hard, bentonitic in part, micromicaceous in part. Claystone - white, cream and light grey green, medium hard
1950 - 2030	No sample
2030 - 2050	Shale - grey to dark grey, soft to medium hard, bentonitic in part
2050 - 2060	Shale - grey to dark grey, soft to medium hard, bentonitic in part. Siltstone - grey, medium hard
2060 - 2070	Shale - grey to dark grey - soft to medium hard, bentonitic in part. Siltstone - grey, medium hard. Much caving
2070 - 2080	Shale - grey to dark grey, soft to medium hard, bentonitic in part. Much pyrite chert pebbles - varicolored, round, medium grained, pyrite intergrowths

2080 - 2310	Shale - grey to dark grey, soft to medium hard, bentonitic, pyritic, silty in part, micromicaceous in part. Poor sample
2310 - 2410	Shale - grey to dark grey, soft to medium hard, bentonitic, pyritic. Siltstone - grey, medium hard, sulphur odor on drying, fossils, poor sample
2410 - 2620	Shale - grey to dark grey - soft to medium hard, bentonitic in small part, pyrite abundant, fossils. Poor sample
2620 - 2660	Shale - grey to dark grey, soft to medium hard, bentonitic in small part, pyrite, fossils. Shale - apple green to dark green, medium hard, poor sample
2660 - 2690	Shale - grey to dark grey, soft to medium hard, bentonitic in part, pyritic, silty in part, fossils. Poor samples
2690 - 2800	Shale - light to dark grey, medium hard, pyritic, silty in part, fossils. Poor sample
2800 - 2830	Shale - light grey, medium [illegible] silty in part, sandy in part - chert - b[illegible]ine grained, (sub-rounded). Poor sample
2830 - 2950	Shale - grey to dark grey and brown, medium hard, silty in part, pyrite, fossils. Poor samples. Sandstone - light grey, (salt and pepper), medium hard, fine grained, well sorted, quartzose (sub-angular grains), chert (sub-rounded), poor porosity in 1% of sample, no staining
2950 - 2980	Shale - light to dark grey and brown, medium hard, silty in part. Sandstone - light grey, (salt and pepper), soft to medium hard, fine grained, well sorted, quartzose (sub-round), chert (sub-round), poor intergranular porosity, no staining. Poor sample, pyrite, fossils
2980 - 3000	Sandstone - light grey, medium hard to soft, fine to very fine grained, poorly sorted, quartzose (sub-rounded grains), clay matrix in part. Poor sample
3000 - 3020	Shale - light grey, medium hard, silty in part. Trace of shale - grey green and red, medium hard. Trace siltstone - buff to pink and grey, medium hard. Poor sample
3020 - 3030	Siltstone - grey and grey brown, medium hard, trace chert - varicolored, rounded pebbles, medium grained, poor sample

3030 - 3050	Shale - light to dark grey, medium hard. Siltstone - light grey to grey, medium hard. Poor sample
3050 - 3070	Shale - light to dark grey, medium hard. Shale (trace) - red and green, medium hard. Siltstone - grey with trace of pink, medium hard. Trace chert pebbles - varicolored, round, medium grained. Very poor samples (cavings)
3070 - 3090	Siltstone - grey, medium hard. Shale - light grey to grey, medium hard. Poor sample
3090 - 3110	Sandstone - light grey, medium hard, fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), micaceous, calcareous. Siltstone - light grey, medium hard. Poor sample
3110 - 3250	Sandstone - light grey, (salt and pepper), fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), calcareous, trace of poor porosity, no staining. Siltstone - light grey, medium hard. Very poor sample
3250 - 3400 At 3300' samples lagged 1 minute per 100' of depth.	Siltstone - grey to dark grey, medium hard. Sandstone - light grey to grey, medium hard, very fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), calcareous, some clay matrix. Much pyrite. Poor sample
3400 - 3410	Siltstone - grey to dark grey and grey brown. Sandstone - light grey, (salt and pepper), medium hard to soft, medium to well sorted, fine to very fine grained, quartzose (sub-rounded grains), chert (sub-rounded grains), trace of glauconite, some clay matrix, trace of poor porosity, no staining. Poor sample
3410 - 3480	Siltstone - grey to grey brown, medium hard. Sandstone - light grey to grey, medium hard, fine to very fine grained, medium to well sorted, quartzose (sub-rounded), chert (sub-rounded grains), trace of glauconite, some clay matrix
3480 - 3560	Siltstone - grey brown, medium hard. Shale - grey brown and dark grey, medium hard
3560 - 3630	Shale - grey brown, medium hard. Siltstone - grey to dark grey and grey brown, medium hard, poor sample

3630 - 3770	Shale - grey brown to dark brown, medium hard. Siltstone - grey to dark grey, medium hard. Sandstone - light grey to grey, soft to medium hard, fine to very fine grained, medium to well sorted, quartzose (sub-rounded grains), chert (sub-rounded grains), some clay matrix, trace of poor porosity, no staining. Poor sample
3770 - 3810	Sandstone - light grey (salt and pepper), soft to medium hard, fine grained, medium sorted to well sorted, quartzose (sub-rounded), chert (sub-rounded grains), calcareous, poor intergranular porosity, no staining
3810 - 3830	Sandstone - light grey, (salt and pepper), medium hard, fine to medium grained, medium sorting, quartzose (sub-angular to sub-rounded grains), chert (sub-rounded to rounded grains). Coal - black, good lustre, fibrous in part
3830 - 3870	Sandstone - light grey to grey, medium hard to soft, fine grained, medium sorting, quartzose (sub-angular to sub-rounded grains), chert (sub-rounded grains), trace of glauconite, siliceous cement, trace of intergranular porosity, no staining. Floating chert grains - white, brown and grey, angular, medium grained. Pyrite
3870 - 3900	Sandstone - light grey, (salt and pepper), medium hard, fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-angular to sub-rounded grains), siliceous cement, kaolinitic in part, trace of poor porosity, no staining, pyrite
3900 - 4010	Siltstone - grey to light grey, medium hard, Sandstone - light grey, (salt and pepper), soft to medium hard, fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded to sub-angular grains), siliceous cement, poor porosity in part, no staining, pyrite, fossils
4010 - 4030	Siltstone - light to dark grey, medium hard. Sandstone - light grey to grey, medium hard, very fine grained grading to siltstone, poorly sorted, quartzose (sub-rounded grains), chert, (rounded grains), kaolinitic
4030 - 4050	Sandstone - light grey, medium hard, very fine grained grading to siltstone, medium sorting, quartzose (rounded grains), chert (rounded grains), slightly kaolinitic
4050 - 4060	Siltstone - grey to dark grey, medium hard. Sandstone - light grey to grey, medium hard, very fine to medium grained, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), kaolinitic in part, poor porosity, no staining

4060 - 4070	Sandstone - light grey, (salt and pepper), medium hard to soft, fine to medium grained, medium sorting, quartzose (sub-rounded grains), chert, (sub-rounded grains), pyritic in part, poor porosity, no stain
4070 - 4110	Sandstone - light grey, (salt and pepper), medium hard, fine grained, grading to siltstone, poor sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), kaolinitic in small part, trace of mica
4110 - 4140	Sandstone - light grey, (salt and pepper), medium hard to soft, fine to medium grained, well sorted, quartzose (sub-angular to sub-rounded grains), chert (sub-rounded grains), trace porosity, no staining
4140 - 4150	No sample
4150 - 4200	Siltstone - grey, grey brown and dark grey, medium hard, shaly in part. Sandstone - light grey to grey, medium hard, fine grained grading to siltstone, poorly sorted, quartzose (sub-rounded to rounded), chert (rounded), very slightly calcareous, clay matrix in part, pyrite
4200 - 4210	Siltstone - grey and grey brown, medium hard. Sandstone - light grey, (salt and pepper), fine to medium grained, medium sorting, quartzose (sub-angular grains), chert (angular to sub-angular grains), siliceous cement, poor porosity, no stain
4210 - 4230	Siltstone - grey to grey brown, medium hard
4230 - 4240	No sample
4240 - 4310	Siltstone - grey, grey brown and dark grey, shaly in part
4310 - 4340	Siltstone - light grey, to dark grey, medium hard, shaly in part. Sandstone - light grey, medium hard, very fine grained, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), clay matrix in part, pyritic
4340 - 4390	Siltstone - light to dark grey, medium hard, pyritic, shaly in part, sandy in part (quartz grains, sub-angular, fine to medium grained)
4390 - 4420	Siltstone - light to dark grey, medium hard, Shale - grey to dark grey, medium hard, micromicaceous. Pyrite

4420 - 4440	Siltstone - light to dark grey, medium hard, shaly in part, pyritic in part. Sandstone - light to dark grey, medium hard, very fine grained grading to siltstone, medium sorting, quartzose (sub-rounded grains), chert (sub-angular grains), pyrite matrix in part, clay matrix in part, slightly calcareous in part
4440 - 4460	Siltstone - light to dark grey, medium hard, micromicaceous, shaly in part. Shale - grey to black, medium hard, micromicaceous
4460 - 4540	Siltstone - grey to light grey, medium hard, micromicaceous. Shale - grey to dark grey, medium hard, micromicaceous. Sandstone - light grey, (salt and pepper), medium hard, very fine grained grading to siltstone, poorly sorted, quartzose (sub-rounded to rounded grains), chert (sub-rounded grains), clay matrix
4540 - 4590	Siltstone - grey to dark grey, medium hard. Shale - grey to dark grey, micromicaceous
4590 - 4600	Siltstone - grey to dark grey, medium hard, slightly calcareous in part. Shale - grey to dark grey, medium hard, micromicaceous. Sandstone - light to dark grey, medium hard, fine grain grading to siltstone, quartzose (sub-rounded grains), chert (sub-angular to sub-rounded grains), very slightly calcareous, clay matrix in part
4600 - 4640	Siltstone - light grey to dark grey, medium hard, Shale - grey to dark grey, medium hard, micromicaceous
4640 - 4690	Siltstone - light to dark grey, medium hard, shaly in small part. Sandstone - light grey, medium hard, very fine grained, medium sorting, quartzose (sub-rounded to sub-angular), chert (sub-rounded grains), calcareous in small part, clay matrix in part.
4690 - 4700	Siltstone - grey to dark grey, medium hard, micromicaceous. Shale - grey to dark grey, medium hard, micromicaceous
4700 - 4720	Siltstone - grey to dark grey, medium hard, micromicaceous. Shale - grey to dark grey, medium hard, micromicaceous. Sandstone - light grey, medium hard, very fine grained, medium sorting, quartzose (sub-rounded), chert (sub-rounded), very slight calcareous
4720 - 4770	Shale - dark grey to black, medium hard, micromicaceous, Siltstone - grey to dark grey, medium hard, micromicaceous

4770 - 4800	Shale - dark grey to black, medium hard, micromicaceous. Siltstone - grey to dark grey, medium hard. Sandstone - light grey, (salt and pepper), medium hard, very fine grained, medium sorting, quartzose (sub-rounded grains), chert (sub-rounded grains), slightly calcareous in part, Kaolinitic in small part
4800 - 4830	Sandstone - light grey and grey brown, medium hard, very fine grained, medium to poor sorting, quartzose (sub-rounded grains), chert (sub-rounded to sub-angular grains), very slightly calcareous, clay matrix in small part. Siltstone - light to dark grey, medium hard, shaly in part
4830 - 4840	Siltstone - grey brown, medium hard, micromicaceous. Shale - dark grey, medium hard, micromicaceous
4840 - 4850	Shale - dark grey and dark brown, medium hard, micromicaceous, silty in part
4850 - 4910	Shale - dark grey and dark brown, medium hard, micromicaceous. Siltstone - light grey and brown, medium hard, micromicaceous
4910 - 4930	Shale - dark grey and dark brown, micromicaceous, medium hard, silty in small part
4930 - 4990	Shale - dark grey and dark brown, micromicaceous, medium hard
4990 - 5020	Shale - dark grey and dark brown, medium hard, micromicaceous. Siltstone - dark grey and grey and dark brown, medium hard, micromicaceous pyritic in part
5020 - 5030	Siltstone - grey to grey brown, medium hard. Shale - dark grey and dark brown, medium hard, micromicaceous
5030 - 5150	Shale - dark grey to black, medium hard, micro-micaceous. Siltstone - grey and grey brown, medium hard
5150 - 5170	Shale - dark grey to black, medium hard, micro-micaceous
5170 - 5210	Shale - dark grey to black, medium hard, micromicaceous. Siltstone - grey and dark grey brown, medium hard, micromicaceous
5210 - 5250	Shale - dark grey to grey brown, medium hard, micromicaceous, silty in part

5250 - 5480	Shale - dark grey and black, medium hard, micromicaceous. Siltstone - light to dark grey, medium hard, micromicaceous
5480 - 5500	Shale - grey to black, medium hard, micromicaceous
5500 - 5530	Shale - grey to black, medium hard, micromicaceous. Siltstone - light to dark grey, medium hard, micromicaceous in part
5530 - 5560	Shale - grey to black and brown, medium hard, micromicaceous. Siltstone - light to dark grey, medium hard, micromicaceous in part
5560 - 5580	Shale - grey to dark grey and brown, medium hard, micromicaceous, fissile in small part
5580 - 5640	Shale - dark grey to black, medium hard, splintery, fissile in part, micromicaceous in part, bituminous in part
5640 - 5660	Shale - grey to dark grey and dark brown, medium hard to very hard, micromicaceous, siliceous in small part. Siltstone - light to dark grey, medium hard, micromicaceous in part, Pyrite
5660 - 5670	Shale - grey to black and dark brown, medium hard, micromicaceous in part, bituminous in part. Siltstone - light to dark grey, medium hard, micromicaceous in part. Pyrite, trace of limestone - white to brown, medium hard, cryptograined, no porosity
5670 - 5680	Shale - grey to black and dark brown, medium hard, micromicaceous in part, bituminous in part. Siltstone - light to dark grey, medium hard, micromicaceous in part. Pyrite
5680 - 5710	Shale - grey to dark grey, medium hard to soft, fissile in part, pyritic
5710 - 5730	Shale - grey to dark grey, medium hard to soft, fissile in part. Siltstone - light grey, medium hard to very hard, micaceous, pyritic
5730 - 5750	Shale - grey to dark grey, medium hard, fissile in small part. Sandstone - light grey, (salt and pepper), fine grained, well sorted, quartzose (sub-rounded grains), chert (sub-rounded), siliceous cement, trace of pyrite matrix
5750 - 5770	Shale - dark grey to black, medium hard to very hard, micromicaceous in part, bituminous in part, siliceous in part, calcite veinlets, brown streak in part

5770 - 5790	Shale - grey to black, medium hard to very hard, micromicaceous, brown streak in part, calcite veinlets
5790 - 5800	Shale - dark grey to black, medium hard to very hard, micromicaceous, brown streak in part, siliceous in part, silty in small part, pyritic, calcite veinlets
5800 - 5830	Shale - dark grey to black, medium hard to very hard, micromicaceous, brown streak in part, silty in part, slightly calcareous in part, pyritic, calcite veinlets, slickensiding
5830 - 5860	Shale - dark grey to black, medium hard, micromicaceous, brown streak in part, trace of pyrite, trace of veinlets of calcite, slickensided
5860 - 5880	Shale - grey to black, medium hard, micromicaceous, brown streak in part, trace of pyrite
5880 - 5900	Shale - dark grey green to black, medium hard, fissile in small part, splintery in part, micromicaceous, trace of pyrite and calcite veinlets
5900 - 5930	Shale - grey to black and dark grey green, medium hard, to very hard, micromicaceous, very pyritic, very slightly calcareous, silty in small part
5930 - 5950	Shale - grey to dark grey green and dark grey, medium hard, light brown streak, very pyritic, silty in small part, very slightly calcareous in part
5950 - 5970	Shale - dark grey to black, medium hard, micromicaceous, pyritic. Siltstone - grey to dark grey, medium hard, very slightly calcareous in part
5970 - 5990	Shale - dark grey to black, medium hard, micromicaceous, pyritic, slightly calcareous to calcareous, limestone - grey and dark brown to black, medium hard, crypto-grained, argillaceous, pyritic in part, calcite crystals
5990 - 6000	Shale - dark grey to black, medium hard, micromicaceous, slightly bituminous. Limestone - buff to black, medium hard, cryptograined to fine grained, argillaceous in part, dense. Calcite crystals
6000 - 6010	Limestone - cream, buff and brown, medium hard to very hard, cryptograined to fine grained, siliceous in small part, trace of very poor porosity (intergranular) in 1% of cuttings, trace of fluorescence in chlorthene, many calcite crystals, trace of secondary dolomite crystals

6010 - 6030	Dolomite - cream, buff and brown, medium hard, coarsely crystalline to finely crystalline, mainly white secondary dolomite crystals, criteria for porosity, trace of staining, calcite crystals. Trace of limestone - white to buff, soft to medium hard, cryptograined, chalky in part. Pyrite
6030 - 6080	Dolomite - cream to buff and brown, medium hard, fine to coarsely crystalline, criteria for porosity (much secondary dolomite - white), no staining, calcite crystals
6080 - 6120	Dolomite - white to dark brown, medium hard, fine to coarsely crystalline, criteria for porosity (much secondary dolomite - white), pyrobitumen, slightly siliceous in part
6120 - 6140	Limestone - buff to dark grey, medium hard, crypto-grained to fine grained, argillaceous in part, dense, disseminated pyrite
6140 - 6180	Limestone - buff to dark grey, medium hard, crypto-grained to fine grained, slightly argillaceous to argillaceous, shaly in part, disseminated pyrite, earthy in small part, trace of pyrobitumen
6180 - 6230	Limestone - buff to dark grey, medium hard, crypto-grained to micrograined, slightly argillaceous, earthy in part. Shale - grey to dark grey, medium hard, calcareous in part. Calcite veinlets and crystals
6230 - 6280	Limestone - buff to dark brown and dark grey, medium hard, cryptograined to micrograined, slightly argillaceous, shaly in small part
6280 - 6320	Limestone - buff to dark brown and light to dark grey, medium hard to soft, cryptograined to micrograined, earthy in part, calcite crystals, disseminated pyrite in part, argillaceous to slightly argillaceous. Shale - grey to dark grey, medium hard, calcareous to slightly calcareous
6320 - 6410	Shale - grey to dark grey, medium hard, micromicaceous in part, slightly calcareous to calcareous. Limestone - buff to dark brown and dark grey, medium hard, crypto to micrograined, argillaceous to slightly argillaceous, pyritic in part, earthy in small part
6410 - 6430	Shale - grey to black, medium hard, calcareous, micromicaceous in part. Limestone - buff to dark grey, soft to medium hard, argillaceous in part, cryptograined, earthy in part. Calcite veinlets and crystals

6430 - 6440	Limestone - buff to dark brown and dark grey, medium hard to soft, cryptograined, chalky in part, calcite veinlets. Shale - dark grey to black, medium hard, calcareous in part, micromicaceous in part
6440 - 6450	Shale - grey to dark grey and dark brown, very calcareous to calcareous, micromicaceous in small part, calcite veinlets
6450 - 6460	Limestone - buff to dark brown and dark grey, medium hard to soft, slightly argillaceous, crypto-grained. Shale - dark grey to black, medium hard, to soft, micromicaceous in part, calcareous, calcite crystals
6460 - 6560	Shale - dark grey to black, medium hard, micromicaceous, calcite veinlets, very calcareous. Limestone - buff to dark grey, medium hard, cryptograined, calcite crystals, earthy in part
6560 - 6570	Limestone - buff to dark brown and dark grey, medium hard to soft, cryptograined, very slightly argillaceous, earthy in part. Shale - grey to dark grey and black, medium hard, micromicaceous in part, calcareous, calcite crystals
6570 - 6580	Dolomite - buff to dark brown and grey to dark grey, medium hard, cryptocrystalline to microcrystalline, argillaceous, dense, calcite veinlets
6580 - 6600	Dolomite - buff to brown and grey to black, medium hard, microcrystalline, argillaceous, dense, calcite veinlets
6600 - 6620	Dolomite - buff to brown and dark brown and grey to dark grey, medium hard, cryptocrystalline to finely crystalline, argillaceous to slightly argillaceous, intercrystalline and fine vugular porosity in 5% of cuttings, no fluorescence, trace white secondary dolomite, some pyrobitumen in porosity and on facture plains, calcite crystals
6620 - 6660	Dolomite - buff to dark brown, medium hard, crypto-crystalline, very slightly argillaceous, dense, some white secondary dolomite, calcite crystals, pyrobitumen in former porosity
6660 - 6670	Dolomite - buff to dark brown medium hard, crypto-crystalline to finely crystalline, very slightly argillaceous, trace of fine intercrystalline porosity, no fluorescence, calcite crystals

6670 - 6690	Dolomite - buff to dark brown and grey, medium hard, cryptocrystalline to finely crystalline, very slightly argillaceous, calcite crystals sparse
6690 - 6710	Dolomite - buff to dark brown, medium hard, cryptocrystalline to finely crystalline, slightly argillaceous, trace of very fine intercrystalline porosity, no fluorescence, calcite common
6710 - 6730	Limestone - buff and grey to dark grey, medium hard to soft, slightly argillaceous, chalky in part, cryptograined, calcite crystals
6730 - 6740	Dolomite - buff to brown, medium hard, cryptocrystalline to finely crystalline, calcite and pyrobitumen in former vugs
6740 - 6750	Dolomite - buff to dark brown, medium hard, microcrystalline, slightly argillaceous to argillaceous, calcite inclusions common
6750 - 6760	Dolomite - buff to dark brown, medium hard, microcrystalline to finely crystalline, slightly argillaceous to argillaceous, calcite inclusions common. Limestone - cream, buff and grey, soft to medium hard, cryptograined, chalky in part, argillaceous
6760 - 6780	Limestone - cream to dark brown and dark grey, medium hard to soft, cryptograined to fine grained, argillaceous to slightly argillaceous, calcite crystals common
6780 - 6830	Dolomite - buff to brown and dark grey, medium hard, microcrystalline to finely crystalline, abundant inclusions of calcite, argillaceous in part, pyrobitumen in former porosity. Limestone - buff to grey, medium hard to soft, cryptograined, argillaceous
6830 - 6870	Limestone - cream to light and dark grey, medium hard, cryptograined to fine grained, pelletoidal in part, very slightly argillaceous, calcite common, trace disseminated pyrite
6870 - 6880	Dolomite - buff, light brown and grey, medium hard, microcrystalline, many inclusions of calcite, slightly argillaceous. Limestone - buff to grey and dark grey, medium hard to soft, cryptograined to micrograined, calcite veinlets, chalky in part
6880 - 6950	Limestone - cream to light grey and dark grey, medium hard to soft, cryptograined to fine grained, slightly argillaceous, chalky in part, much calcite.

6880 - 6950 Cont'd.	Dolomite - light brown, medium hard, micro-crystalline, very slightly argillaceous, calcite common, pyrobitumen
6950 - 7000	Limestone - cream to dark grey, medium hard to soft, cryptograined to fine grained, chalky in part, slightly argillaceous to argillaceous, trace of very fine intercrystalline porosity, no fluorescence, calcite crystals, pyrobitumen on fracture faces
7000 - 7020	Dolomite - buff to dark brown, medium hard, fine to cryptocrystalline, slightly argillaceous, Limestone - cream to dark brown and dark grey, medium hard to soft, cryptograined to micrograined, slightly argillaceous, chalky in part, calcite crystals
7020 - 7040	Limestone - buff to brown and light to dark grey, medium hard to soft, cryptograined, chalky in part, very slightly argillaceous. Dolomite - buff to brown, medium hard, crypto-crystalline, very slightly argillaceous, calcite crystals
7040 - 7080	Dolomite - buff to dark brown, medium hard, crypto-crystalline to microcrystalline, very slightly argillaceous, calcite inclusions. Limestone - light to dark grey and brown, medium hard to soft, cryptograined to fine grained, chalky in part, calcite crystals, slightly argillaceous
7080 - 7100	Limestone - buff to dark brown and dark grey, medium hard to soft, cryptograined to fine grained, argillaceous. Dolomite - buff to dark brown, medium hard, micro-crystalline, calcite crystals common, argillaceous in part, trace of very poor intercrystalline porosity, no fluorescence, pyritic
7100 - 7120	Limestone - buff to dark brown and light to dark grey, medium hard to soft, cryptograined to micrograined very slightly argillaceous, chalky in part, calcite crystals. Dolomite - buff to dark brown, medium hard, micro-crystalline, very slightly argillaceous
7120 - 7130	Dolomite - buff to dark brown and grey to dark grey, medium hard, cryptocrystalline to microcrystalline, slightly argillaceous, many inclusions of calcite. Limestone - buff to dark grey and dark brown, soft to medium hard, cryptograined, argillaceous, chalky in part
7130 - 7150	Limestone - buff to dark brown and light to dark grey, cryptograined to micrograined, slightly argillaceous, chalky in part, calcite crystals and veinlets.

7130 - 7150 Cont'd.	Dolomite - buff to dark brown, medium hard, crypto-crystalline, slightly argillaceous
7150 - 7170	Dolomite - buff to brown, medium hard, cryptocrystalline to finely crystalline, very slightly argillaceous, many calcite inclusions. Limestone - buff to light and dark grey, soft to medium hard, cryptograined, chalky in part, slightly argillaceous
7170 - 7200	Dolomite - buff to dark brown and grey, medium hard, cryptocrystalline to finely crystalline, limy in part, very slightly argillaceous, calcite inclusions. Limestone - buff to dark grey, medium hard to soft, cryptograined, argillaceous, chalky in part
7200 - 7230	Limestone - buff to brown and light to dark grey, medium hard to soft, cryptograined, dolomitic in part, argillaceous in part, chalky in part. Dolomite - buff to dark brown, medium hard, slightly argillaceous, cryptocrystalline, calcite inclusions and crystals
7230 - 7250	Limestone (dolomite in part) - buff to dark brown and grey, medium hard, cryptograined to micrograined, very slightly argillaceous, pyrobitumen in fractures. Dolomitic- cream to light brown, medium hard, finely crystalline, poor fine vugular and intercrystalline porosity (5%) in 2% of cuttings, no fluorescence
7250 - 7260	Dolomite (limy in part) - buff to dark brown and grey, medium hard, cryptocrystalline to finely crystalline, very slightly argillaceous, trace of poor fine vugular porosity, no fluorescence, widely disseminated pyrite, calcite veinlets and crystals
7260 - 7270	Dolomite - buff to dark brown and grey, medium hard, limy in part, crypto-crystalline to microcrystalline, very slightly argillaceous, calcite crystals
7270 - 7285	Dolomite - (limy in part) - buff to dark brown, medium hard, cryptocrystalline to finely crystalline, slightly argillaceous, poor porosity (5%) in fine vugs in 5% of cuttings, no fluorescence. Limestone - buff to dark grey, cryptograined, medium hard to soft, chalky in part, pyritic in part
7285 - 7310	Dolomite - cream to brown and grey, medium hard, cryptocrystalline to finely crystalline, limy in part, trace disseminated pyrite
7310 - 7330	Dolomite - buff to brown, medium hard, cryptocrystalline to finely crystalline, very slightly argillaceous, limy in part, trace of very poor vugular porosity, no fluorescence, trace of calcite crystals

7330 - 7340	Dolomite - buff to dark brown, medium hard, microcrystalline, very slightly argillaceous, limy in part, calcite crystals
7340 - 7360	Dolomite - buff to dark brown and dark grey, micro-crystalline to finely crystalline, argillaceous in part, fair porosity (small vugs) (10%) in 1% of cuttings, no fluorescence, calcite veinlets, inclusions and crystals
7360 - 7370	Dolomite - buff to dark brown and dark grey, medium hard, microcrystalline, slightly argillaceous, calcite veinlets, inclusions and crystals. Limestone - buff to brown, medium hard, cryptograined, earthy in part
7370 - 7410	Dolomite - buff to dark brown, medium hard, crypto-crystalline to microcrystalline, slightly argillaceous to argillaceous, calcite inclusions and crystals, pyrobitumen in fractures
7410 - 7420	Dolomite (limy) - buff to dark brown and dark grey, medium hard, microcrystalline, argillaceous, calcite inclusions and crystals common, many fine calcite veinlets, pyrobitumen on fractures
7420 - 7450	Dolomite - buff to dark brown and dark grey, medium hard, microcrystalline to finely crystalline, slightly argillaceous, calcite crystals and veinlets,
7450 - 7510	Dolomite - buff to dark brown and dark grey, medium hard, microcrystalline, slightly argillaceous, calcite crystals and veinlets. Limestone - buff to light brown and dark grey, soft to medium hard, cryptograined, chalky in part, slightly argillaceous
7510 - 7540	Dolomite - buff to dark brown, medium hard, microcrystal-line, slightly argillaceous, calcite inclusions and crystals. Limestone - buff to dark grey, soft to medium hard, cryptograined, chalky in part, pyrobitumen in fractures, slightly argillaceous
7540 - 7580	Dolomite - buff to dark brown and dark grey, medium hard, cryptocrystalline to finely crystalline, very slightly argillaceous. Limestone - cream to dark grey, medium hard, crypto-grained to fine grained, very slightly argillaceous, slightly silty in part, calcite crystals
7580 - 7590	Dolomite - buff to dark grey and brown medium hard to very hard, cryptocrystalline to finely crystalline, sandy in part, quartz (fine sub-rounded grains, floating), trace of poor porosity in fine vugs, no fluorescence, disseminated pyrite, quartz crystals in porosity, calcite crystals

7590 - 7610	Dolomite - buff to dark brown, medium hard, cryptocrystalline to finely crystalline, sandy in small part (quartz-clear (fine sub-rounded floating grains). Limestone - cream to dark grey, medium hard, cryptograined to fine grained, sandy in small part, silty in small part
7610 - 7620	Dolomite - light grey to grey and buff to brown, medium to very hard, crypto-crystalline to microcrystalline, very slightly argillaceous, sandy (clear quartz, fine grained rounded, frosted, floating), siliceous in part, pyritic
7620 - 7640	Dolomite - buff to brown and grey to light grey, medium to very hard, cryptocrystalline to finely crystalline, siliceous in part, pyritic, sandy in part (clear quartz, fine grained, floating frosted). Sandstone - clear to light grey, medium hard, fine to very fine grained, good sorting, quartzose (sub-angular grains), dolomitic
7640 - 7690	Dolomite - buff and grey, medium hard to very hard, cryptocrystalline, very slightly calcareous, siliceous in part, silty in part, trace pyrite
7690 - 7700	Dolomite - buff and grey to dark brown, medium hard, cryptocrystalline to microcrystalline, very slightly argillaceous. Dolomite - white, medium hard, very silty. Sign of anhydrite in mud
7700 - 7720	Dolomite - buff to dark brown and grey, medium hard, to very hard, cryptocrystalline, very slightly argillaceous, siliceous
7720 - 7730	Dolomite - buff to dark brown and grey, medium hard, cryptocrystalline to microcrystalline, very slightly argillaceous, siliceous in part Limestone - cream to buff, soft to medium hard, cryptograined, slightly argillaceous, chalky in part, sandy in part
7730 - 7770	Dolomite - buff to grey and brown, medium hard to very hard, cryptocrystalline, very slightly argillaceous, sandy, (quartz-clear and grey, fine rounded grains, frosted), siliceous in part, silty in part
7770 - 7780	Dolomite - buff and light to medium grey - slight greenish to brownish cast, microcrystalline to very fine crystalline, argillaceous in part, some silty and sandy streaks, dense, slightly anhydritic

7780 - 7790	Dolomite - light greyish brown - some light greenish grey streaks which are argillaceous and silty, microcrystalline to very fine crystalline, dense, some partings of dark grey shale - bituminous in part, a few scattered sandy streaks
7790 - 7800	Dolomite - light to medium greyish brown - some light greenish grey - silty and argillaceous streaks, very fine to fine crystalline, dense, some partings of black bituminous shale, some scattered veinlets of calcite
7800 - 7820	Dolomite - light greyish brown - some light greenish grey-silty and argillaceous streaks, microcrystalline to very fine crystalline, dense, some scattered pyrite, some sandy streaks
7820 - 7850	Dolomite - as above - some fine crystalline in part
7850 - 7880	Dolomite - light brownish grey to light greyish brown, microcrystalline to fine crystalline, dense streaks and interbeds of dolomite - light greenish grey, microcrystalline to very fine crystalline, argillaceous, silty, some sandy streaks, some scattered quartz crystals, trace of gypsum infilling fine fractures
7880 - 7890	Dolomite - as above, some interbedded dolomite - greyish brown, microcrystalline to very fine crystalline - sucrosic, streaky poor to fair intercrystalline porosity, scattered flecks of pyrobitumen
7890 - 7900	Dolomite - buff, very fine to fine crystalline, dense for the most part - sucrosic in part, streaky, slight non-effective intercrystalline porosity
7900 - 7910	Dolomite - buff to light brownish grey, microcrystalline to very fine crystalline - sucrosic in part, non-effective streaky slight intercrystalline porosity, thin streaks and partings of apple green shale
7910 - 7920	Dolomite - light brownish grey, microcrystalline to fine crystalline - sucrosic in part, some argillaceous streaks, thin streaks and partings of apple green shale, a few sandy streaks, siliceous in part, non-effective streaky slight intercrystalline porosity
7920 - 7930	Dolomite - light brownish grey - light greenish grey in part, microcrystalline to very fine crystalline - some sucrosic streaks, some scattered quartz grains, siliceous in part, some lenses of milky grey chert, slight porosity as above

7930 - 7940	Dolomite - light grey - slightly greenish - slightly brownish in part - some scattered small pinkish patches, microcrystalline to very fine crystalline, silty, some floating quartz grains, siliceous in part, rare lenses of milky chert, some laminae of apple green shale
7940 - 7970	Dolomite - light brownish grey - a few small patches of light pink - some light greenish grey - silty streaks, microcrystalline to very fine crystalline, dense - a few scattered floating quartz grains, some scattered pyrite
7970 - 7990	Dolomite - light grey - slightly brownish in part - slightly greenish in part, microcrystalline to very fine crystalline, silty and sandy streaks, siliceous in part, trace of milky chert, dense, some scattered shale partings
7990 - 8030	Dolomite - light brownish grey, some greenish streaks, microcrystalline to very fine crystalline, dense, a few silty streaks and shale partings, slightly sandy in part - scattered floating quartz grains
8030 - 8040	Dolomite - light brownish grey and medium dark brownish grey, microcrystalline to very fine crystalline - fine crystalline in part - sucrosic in part, silty, argillaceous, non-effective - streaky slight intercrystalline porosity
8040 - 8080	Dolomite - light brownish grey - some light greenish grey - silty streaks, microcrystalline to fine crystalline, dense for the most part - trace of non-effective intercrystalline porosity
8080 - 8090	Dolomite - brownish grey, microcrystalline to fine crystalline, silty, dense for the most part - streaky non-effective intercrystalline porosity, scattered fine fractures filled with white calcite
8090 - 8110	Dolomite - as above - some greenish grey streaks, some floating quartz grains
8110 - 8120	Dolomite - slightly brownish grey - some brownish red, microcrystalline to fine crystalline, dense slightly argillaceous, some fine fractures filled with white calcite
8120 - 8140	Dolomite - grey and pink to brownish red, microcrystalline to very fine crystalline some interbeds of dolomite - dull greenish grey, cryptocrystalline to microcrystalline, argillaceous, some thin streaks of greenish grey hard shale; dense, some silty and sandy streaks

8140 - 8160	Dolomite - medium grey, very fine to fine crystalline, dense, argillaceous, scattered blebs of white crystalline calcite
8160 - 8170	Dolomite - light brownish grey microcrystalline to very fine crystalline, dense, silty and sandy streaks, some scattered floating quartz grains, some thin interbeds and streaks of light greenish grey dolomite - cryptocrystalline to microcrystalline - trace of apple green shale
8170 - 8180	Dolomite - as above; dolomite - medium to dark grey - slightly brownish, very fine to fine crystalline, dense, argillaceous, silty, thin interbeds of dark grey shale, some scattered fine fractures filled with white crystalline calcite
8180 - 8220	Dolomite - medium to dark grey - slightly brownish as above
8220 - 8230	Dolomite - grey - some dark streaks, very fine to fine crystalline, dense, silty, some laminae and thin interbeds of dark grey hard shale, scattered fine fractures filled with white crystalline calcite
8230 - 8240	Dolomite - grey - slightly brownish, silty, with darker colored argillaceous and silty streaks and interbeds; dense, shaly, scattered fractures with calcite infilling
8240 - 8280	Dolomite - medium to dark grey - some light colored streaks, microcrystalline to very fine crystalline, dense, argillaceous and silty, streaks of dark grey, hard shale, scattered fractures filled with calcite
8280 - 8290	Dolomite - medium to dark grey as above - some interbedded dolomite - light brownish grey, very fine to fine crystalline, slightly calcitic, pelletoid, dense, some sandy streaks; some bands of dolomite - brownish grey, cryptocrystalline to microcrystalline, silty, dense
8290 - 8310	Dolomite - light brownish grey, microcrystalline to very fine crystalline - sucrosic in part, dense with a trace of non-effective intercrystalline porosity, some sandy streaks; some bands of dolomite - brownish grey cryptocrystalline to microcrystalline, dense, silty, some streaks of dark grey shale
8310 - 8330	Dolomite - medium to dark grey, microcrystalline to very fine crystalline, dense, argillaceous, silty, scattered fractures filled with white crystalline calcite
8330 - 8340	Dolomite - light grey - brownish to greenish cast, microcrystalline to fine crystalline, silty, some dark argillaceous streaks, dense, scattered fractures filled with calcite

8340 - 8380	Dolomite - light grey and medium to dark grey, as above, some shaly streaks, trace of scattered small blind vugs
8380 - 8410	Dolomite - light brownish grey - some medium to dark grey argillaceous streaks, microcrystalline to fine crystalline, dense for the most part - a few sucrosic streaks, silty, some streaks of dark grey shale - bituminous in part
8410 - 8440	Dolomite - light grey to grey - brownish, micro-crystalline to very fine crystalline - some bands of cryptocrystalline to microcrystalline; dense, silty, some dark grey argillaceous streaks and thin beds of dark grey hard shale
8440 - 8450	Dolomite - medium to dark grey - brownish - some light grey streaks, microcrystalline to very fine crystalline, dense, argillaceous, silty, some streaks of dark grey hard shale
8450 - 8460	Dolomite - medium grey - some dark streaks - brownish, microcrystalline to very fine crystalline, dense, argillaceous, silty, sandy in part, some interbedded dolomite - brownish grey, microsucrose, silty, slight non-effective intercrystalline porosity
8460 - 8470	Dolomite - brownish grey, microsucrose, silty, slight - non-effective intercrystalline porosity
8470 - 8480	Dolomite - medium to dark grey - brownish, micro-crystalline to very fine crystalline, dense, argillaceous, silty, some thin beds of dark grey to black bituminous shale, some scattered fractures filled with white crystalline calcite
8480 - 8490	Dolomite - as above - calcitic in part - some streaks of limestone - light grey, very fine crystalline, pelletoid, argillaceous, tight, trace of milky chert
8490 - 8500	Dolomite - light to medium grey - brownish, micro-crystalline to very fine crystalline, dense, silty, slightly sandy and argillaceous, some streaks of lime-stone - light grey, chalky, pelletoid in part; trace of very light grey chert
8500 - 8530	Dolomite - with some stringers of limestone - as above, rare scattered blind vugs, some streaky - non-effective intercrystalline porosity, trace of floating quartz grains
8530 - 8550	Dolomite - light to medium grey - brownish, micro-crystalline to very fine crystalline - microsucrose in part, silty, some argillaceous streaks, streaky non-effective intercrystalline porosity, some floating quartz grains, slightly sandy in part, some tripolitic chert

8530 - 8550 Cont'd.	Limestone - light grey, microcrystalline to chalky, silty, pelletoid, tight
8550 - 8590	Dolomite - light grey to grey, microcrystalline to very fine crystalline - sucrosic in part, silty and sandy, calcitic in part, some tripolitic chert, non-effective streaky intercrystalline porosity
8590 - 8600	Dolomite - light grey to medium grey, microcrystalline to very fine crystalline - sucrosic in part, very silty and sandy, some argillaceous streaks, non-effective - streaky intercrystalline porosity
8600 - 8610	Dolomite - light brownish grey - some dark argillaceous streaks, very fine to fine crystalline, silty, some sandy streaks, dense
8610 - 8710	Dolomite - light to medium grey with dark argillaceous streaks - brownish, microcrystalline to very fine crystalline - microsucrose in part, some thin cryptocrystalline to microcrystalline bands, non-effective - streaky intercrystalline porosity associated with the sucrosic intervals, silty, some sandy streaks, calcitic in part, pelletoid in part, some scattered shale streaks, slightly anhydritic, trace of gypsum
8710 - 8720	Dolomite - medium to dark grey - brownish - some light streaks, microcrystalline to very fine crystalline - a few sucrosic streaks, dense for the most part, argillaceous, silty, some sandy streaks, some partings and thin interbeds of black bituminous shale
8720 - 8740	Dolomite - light to medium grey - brownish - some dark argillaceous streaks, microcrystalline to very fine crystalline - a few sucrosic streaks, tight, silty, rare floating rounded - frosted quartz grains, some scattered shaly streaks
8740 - 8760	Dolomite - medium to dark grey - some light streaks - slightly brownish microcrystalline to very fine crystalline, dense, calcitic in part, silty and argillaceous, some partings and thin interbeds of dark grey shale,
8760 - 8780	Dolomite - light to medium grey with irregular interbeds of dark grey - brownish, microcrystalline to fine crystalline - some thin microsucrose streaks, tight, silty, sandy in part, argillaceous in part, calcitic in part - some thin streaks of dark grey, very fine crystalline, argillaceous limestone
8780 - 8800	Dolomite - medium to dark grey - brownish - some light streaks, microcrystalline to very fine crystalline, silty, argillaceous, dense, some scattered hairline and fine fractures filled with white crystalline calcite

8800 - 8810	Dolomite - as above, some interbedded limestone - dark grey, cryptocrystalline - microcrystalline, argillaceous, silty, dense
8810 - 8820	Dolomite - as above - trace of fine crystalline - dolomitic - anhydrite, Limestone - dark grey, hard, cryptocrystalline to microcrystalline, bituminous, silty, dense scattered fine fractures filled with white crystalline calcite
8820 - 8840	Dolomite - as above Limestone - dark grey, hard, microcrystalline, bituminous silty, dense, fractures as above, some loose gypsum crystals
8840 - 8890	Dolomite - as above - some light brownish grey streaks - microcrystalline to fine crystalline, silty, sandy in part, dense, shaly streaks - dark grey to black - bituminous in part Limestone - as above - pelletoid in part
8890 - 8940	Dolomite - medium to dark grey - some light streaks - slightly brownish, microcrystalline to very fine crystalline, silty - sandy in part, argillaceous, dense, some shaly streaks, scattered fractures filled with white crystalline calcite Limestone - dark grey, microcrystalline, silty, argillaceous, dense
8940 - 8950	Dolomite - medium to dark grey - brownish, microcrystalline to very fine crystalline, dense, calcitic in part, argillaceous, silty, some partings of black bituminous shale, a few cherty streaks, a few sandy streaks, scattered fine fractures filled with white crystalline calcite
8950 - 9010	Dolomite - slightly brownish - medium grey - dark in part, microcrystalline to very fine crystalline, dense, argillaceous, silty scattered shale partings, some streaks of anhydrite
9010 - 9020	Dolomite - as above - some microsucrose streaks
9020 - 9050	Dolomite - grey to dark grey - slightly brownish, microcrystalline to very fine crystalline, dense, silty, some sandy streaks, argillaceous in part, trace of dark grey chert, partings of black bituminous shale
9050 - 9060	Dolomite - as above - some streaks of dark grey limestone - cryptocrystalline to microcrystalline, argillaceous, silty dense

9060 - 9080	Dolomite - grey to dark grey - slightly brownish, microcrystalline - to very fine crystalline, dense, silty, argillaceous in part, some sandy streaks, partings of black bituminous shale, some scattered fine fractures filled with white crystalline calcite
9080 - 9120	Dolomite - as above - some interbedded limestone - dark grey, microcrystalline, silty, argillaceous, dense, some interbedded anhydrite - light grey to grey, very fine crystalline
9120 - 9140	Dolomite - as above - some interbeds of light grey dolomite with irregular darker colored laminae and bands of microsucrose, very silty, some sandy streaks calcitic in part, tight, trace of dark grey chert
9140 - 9150	Dolomite - grey to dark grey, microcrystalline to fine crystalline - microsucrose in part, silty, some sandy streaks, argillaceous in part, tight, some partings of black bituminous shale, some interbedded medium grey microcrystalline - dense limestone
9150 - 9160	Dolomite - grey to dark grey as above - calcitic in part, some pelletoid material, partings of black bituminous shale, scattered fractures filled with calcite
9160 - 9220	Dolomite - grey to dark grey, brownish, microcrystalline to very fine crystalline, silty, argillaceous, sandy streaks, dense some partings of black bituminous shale, scattered fractures filled with white crystalline calcite, trace of siliceous streaks
9220 - 9250	Dolomite - medium brownish grey - some light and dark streaks, microcrystalline to very fine crystalline, dense, silty, argillaceous, some scattered sandy streaks, a few scattered fractures filled with white crystalline calcite, some partings of black bituminous shale
9250 - 9260	Dolomite - as above - some scattered blebs of gypsum, trace of very fine crystalline anhydrite, interbeds of medium - greenish grey dolostone
9260 - 9280	Dolomite - grey to dark grey, brownish, microcrystalline to very fine crystalline, silty, argillaceous in part, dense, interbedded, medium greenish grey dolostone, scattered fractures with white very fine crystalline anhydrite infilling
9280 - 9298	Dolomite - grey to medium grey, brownish, microcrystalline to fine crystalline, silty, argillaceous in part, some sandy streaks, dense, interbedded dolostone, scattered fractures filled with white crystalline calcite - trace of reddish coloring in part

F.T.D. 9298'

DRILL STEM TEST REPORT

Company: CanDel Oil Ltd. — Drill Stem Test No.: 1

Name of Well: Candel DECKMG et al Tate J-65 — Date Test Run: December 18, 1971

Testing Company: B. J. Services — Operator: W. Budvarson

Type Packer: Bottom Hole (dual) — Size Packer(s): 7½" — Choke: ½"

Interval Tested: 4110' to 4152' — Formation: Upper Sand (Cretaceous)

Test Data:

Initial shut in: Time Packer set 11:50 P.M. — Time Tool Opened 12:11 P.M. — (elapsed) 21 mins.

Flow Period: Time Tool Opened 12:20 P.M. — Time Tool Closed 12:55 P.M. — (elapsed) 35 mins.

Final shut in: Time Tool Closed 12:55 P.M. — Time Tool Pulled 1:30 P.M. — (elapsed) 35 mins.

Tight Hole Test: Yes ..... No x — Size of Chamber .....

Water Cushion: No — Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 4152 — T.D. Tester: 4152 — Was Test A Misrun: Partly

Cause of Misrun: Tool refused to open on preflow, opened on attempt to shutin

Flow Data:

Description of Initial Blow: good puff

Did Blow die or Decrease: died in 25 minutes

Gas Flow To Surface In none mins. — Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day — Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. — Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. — Fluid To Surface In none mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery:

Total fluid in (size) 2¼ ID drill collars OD drill pipe: 790' feet .....barrels

(describe fluid) ..... Oil: ..... feet .....barrels

mud cut fresh Water: 790' feet .....barrels

..... Mud: ..... feet .....barrels

Saved Samples At: 790 ft. ..... ft. ..... ft. above the test tool

Weight of mud before test 9.0 lbs./gal.: Chloride content too small to measure ppm

Weight of mud recovered 8.6 lbs./gal.: Chloride content ..... ppm

Weight of water recovered 8.6 lbs./gal.: Chloride content ..... ppm

Oil Recovered: .....°API Color: ..... Smell: .....

Pressure Data:

Initial Hydrostatic: (Office)	1975.2	(Field)	1960	Final: (Office)	1975.2	(Field) 1960
Initial Shut In Pressure	-		1250	Final:	1229.7	1240
Initial Flow Pressure	258.0		400	Final:	621.9	550

Well Bore Temp: broke thermometer °F — Bomb Capacity: Top 3500# Bottom 5700#

Engineer: D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No: 2

Name of Well Candel DECKMG et al Tate J-65 Date Test Run December 28, 1971

Testing Company B. J. Services Operator M. Moscrip

Type Packer Bottom Hole Size Packer(s) 2 of 7½" Choke ½"

Interval Tested: 5992 to 6030 Formation: Paleozoic Carbonate

Test Data:

Initial shut in: Time Packer set 10:58 a.M. Time Tool Opened 11:28 a.M. (elapsed) 30 mins.

Flow Period: Time Tool Opened 11:28a.M. Time Tool Closed 1:03 P.M. (elapsed) 95 mins.

Final shut in: Time Tool Closed 1:03p.M. Time Tool Pulled 2:38 P.M. (elapsed) 95 mins.

Preflow Time tool opened 10:53 a.m. " " Closed 10:58 p.m. (elapsed) 5 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: none Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 6030 T.D. Tester: 6030 Was Test A Misrun: No

Cause of Misrun: .....

Flow Data:

Description of Initial Blow: Fair puff on preflow. Fair air blow

Did Blow die or Decrease: Weakened towards end of test

Gas Flow To Surface In N/A mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In none mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery: 539' collars 2-3/4"

Total fluid in (size) 4½" OD drill pipe: 2030 feet ..... barrels

(describe fluid) oil flecked gas cut Oil: ..... feet ..... barrels

oil flecked gas cut muddy Water: 550' feet ..... barrels

gas cut salt water Mud: 1488' feet ..... barrels

Saved Samples At: 0 ft. 1188 ft. 280 ft. above the test tool

Weight of mud before test 9.4 lbs./gal.: Chloride content ..... ppm

Weight of mud recovered 8.0 lbs./gal.: Chloride content ..... ppm

Weight of water recovered ..... lbs./gal.: Chloride content 19,500 ppm

Oil Recovered: ..... °API Color dark brown Smell sweet

Pressure Data:

Initial Hydrostatic: (Office)	2958.1	(Field) 3000	Final: (Office)	2949.4	(Field) 2950
Initial Shut In Pressure	2075.1	2050	Final:	2041.9	2000
Initial Flow Pressure	279.7	300	Final:	929.0	950

Well Bore Temp: 168 °F Bomb Capacity: Top 5700 Bottom 5750

Engineer D. Nelson.

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 3

Name of Well Candel DECKMG et al Tate J-65 Date Test Run January 2, 1972

Testing Company B. J. Services Operator M. Moscrip

Type Packer Bottom Hole Size Packer(s) 2 of 7½" Choke ½"

Interval Tested: 6586' to 6620' Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set 3:24 a.M. Time Tool Opened 3:54a.M. (elapsed) 30 mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) ..... mins.

Final shut in: Time Tool Closed 4:40 a.M. Time Tool Pulled 5:10 a.M. (elapsed) 30 mins.

Preflow Time Tool Opened 3:13 a.m. Time Tool Closed 3:24 a.m. 7 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: none Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 6620' T.D. Tester: 6620' Was Test A Misrun: yes

Cause of Misrun: Tool only remained open during preflow

Flow Data:

Description of Initial Blow: weak initial puff

Did Blow die or Decrease: died in 7 minutes

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery:

Total fluid in (size) 2-3/4 ID Drill Collars OD drill pipe: 50' feet .....barrels

(describe fluid) ..... Oil: ..... feet .....barrels

..... Water: ..... feet .....barrels

..... Mud: 50' feet .....barrels

Saved Samples At: 1 ft. .....ft. .....ft. above the test tool

Weight of mud before test 9.4 lbs./gal.: Chloride content .....ppm

Weight of mud recovered 10.0 lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered: .....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office)	3212.9	(Field) 3300	Final: (Office)	3214.3	(Field) 3300
Initial Shut In Pressure	1970.4	2100	Final:	1950.7	2100
Initial Flow Pressure	-	90	Final:		90

Well Bore Temp: 170 °F Bomb Capacity: Top 5700 Bottom 5750

Engineer D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 4

Name of Well Candel DECKMG et al Tate J-65 Date Test Run January 7, 1972

Testing Company B. J. Services Operator W. Budvarson

Type Packer Dual Bottom Hole Size Packer(s) 2 at 7⅛" Choke ½"

Interval Tested: 7200 to 7285 Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set 10:15 a.M. Time Tool Opened 10:50 a.M. (elapsed) 35 mins.

Flow Period: Time Tool Opened 10:50 a.M. Time Tool Closed 11:25 a.M. (elapsed) 35 mins.

Final shut in: Time Tool Closed 11:25 a.M. Time Tool Pulled 12:00 a.M. (elapsed) 35 mins.

Preflow Time Tool Opened 10:00 a.m. " " Closed 10:15 a.m. 15 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: none Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 7285 T.D. Tester: 7285 Was Test A Misrun: No

Cause of Misrun: .....

Flow Data:

Description of Initial Blow: Weak puff died in 6 minutes on preflow. Very weak puff

Did Blow die or Decrease: Died in 4 minutes

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: Flow pressures increased throughout test as if fluid was coming into hole

Recovery: 580' of 2-3/4" ID Drill Collars,

Total fluid in (size) 4½" OD drill pipe: ..... feet ..... barrels

(describe fluid) ..... Oil: ..... feet ..... barrels

..... Water: ..... feet ..... barrels

..... Mud: 900 feet ..... barrels

Saved Samples At: 900 ft. 450 ft. 0 ft. above the test tool

Weight of mud before test 9.5 lbs./gal.: Chloride content too small to measure ppm

Weight of mud recovered 9.4 lbs./gal.: Chloride content fresh to taste ppm

Weight of water recovered ..... lbs./gal.: Chloride content ..... ppm

Oil Recovered: ..... °API Color ..... Smell .....

Pressure Data:

Initial Hydrostatic: (Office)	3562.9	(Field)	3620	Final: (Office)	3562.9	(Field)	3620
Initial Shut In Pressure	2274.3		2260	Final:	1949.3		1930
Initial Flow Pressure	274.3		290	Final:	368.6		370

Well Bore Temp: 184 °F Bomb Capacity: Top 5700 Bottom 5750

Engineer D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 5

Name of Well Candel DECKMG et al Tate J-65 Date Test Run January 28, 1972

Testing Company B. J. Services Division Operator W. Budvarson

Type Packer Dual straddle Size Packer(s) 4 at 7½" Choke ½"

Interval Tested: 7360 to 7250 Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set .....M. Time Tool Opened .....M. (elapsed) ..... mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) ..... mins.

Final shut in: Time Tool Closed .....M. Time Tool Pulled .....M. (elapsed) ..... mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: ..... Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 9298 T.D. Tester: 9298 Was Test A Misrun: yes

Cause of Misrun: Tool plugged

Flow Data:

Description of Initial Blow: No blow

Did Blow die or Decrease: .....

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery:

Total fluid in (size)..... OD drill pipe:..... feet .....barrels

(describe fluid) ..... Oil:..... feet .....barrels

..... Water:..... feet .....barrels

..... Mud:..... feet .....barrels

Saved Samples At .....ft. .....ft. .....ft. above the test tool

Weight of mud before test 9.5 lbs./gal.: Chloride content .....ppm

Weight of mud recovered .....lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered:.....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office) 3542.9 (Field)..... Final: (Office) 3542.9 (Field) .....

Initial Shut In Pressure .... Final: ....

Initial Flow Pressure .... Final: ....

Well Bore Temp: .....°F Bomb Capacity: Top 5700 Bottom 5750

Engineer D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd., Drill Stem Test No. 6

Name of Well Candel DECKMG et al Tate J-65 Date Test Run January 29, 1972

Testing Company B. J. Services Division Operator W. Budvarson

Type Packer Dual straddle Size Packer(s) 4 at 7½" Choke ½"

Interval Tested: 8610 to 8410 Formation: Lower Ronning

Test Data:

Initial shut in: Time Packer set .....M. Time Tool Opened .....M. (elapsed) 27 mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) 34 mins.

Final shut in: Time Tool Closed .....M. Time Tool Pulled .....M. (elapsed) 56 mins.

Preflow (elapsed) 10 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: No Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 9298 T.D. Tester: 9298 Was Test A Misrun: No

Cause of Misrun: .....

Flow Data:

Description of Initial Blow: Very weak air blow on preflow. Dead in 8 minutes, re-set tool, dead

Did Blow die or Decrease: Very weak air blow on flow. Dead in 5 minutes, Dead on re-set.

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery: Drill Collars 568' at 2-7/8" ID

Total fluid in (size) 4½" OD drill pipe: 662 feet .....barrels

(describe fluid) ..... Oil: ..... feet .....barrels

~~slightly H20 cut drilling mud~~ Water: 200' feet .....barrels

drilling Mud: 462' feet .....barrels

Saved Samples At: .....ft. .....ft. .....ft. above the test tool

Weight of mud before test 9.5 lbs./gal.: Chloride content .....ppm

Weight of mud recovered .....lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered: .....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office) 4138.7 (Field)..... Final: (Office) 4138.7 (Field) .....

Initial Shut In Pressure 2682.9 ..... Final: 2438.6 .....

Initial Flow Pressure 314.3 ..... Final: 351.4 .....

Well Bore Temp: 210 °F Bomb Capacity: Top 5700 Bottom 5750

D. Nelson

Engineer.....

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 7

Name of Well Candel DECKMG et al Tate J-65 Date Test Run January 31, 1972

Testing Company B. J. Service Division Operator W. Budvarson

Type Packer Dual straddle Size Packer(s) 4 at 7.5 Choke ½"

Interval Tested: 7360 to 7250 Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set .....M. Time Tool Opened .....M. (elapsed) ..... mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) ..... mins.

Final shut in: Time Tool Closed .....M. Time Tool Pulled .....M. (elapsed) ..... mins.

Tight Hole Test: Yes ..... No ..... Size of Chamber .....

Water Cushion: ..... Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: ..... T.D. Tester: ..... Was Test A Misrun: yes

Cause of Misrun: Hit bridge at approximately 6000'

Flow Data:

Description of Initial Blow: .....

Did Blow die or Decrease: .....

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery:

Total fluid in (size)..... OD drill pipe:..... feet .....barrels

(describe fluid) ..... Oil:..... feet .....barrels

..... Water:..... feet .....barrels

..... Mud:..... feet .....barrels

Saved Samples At:.....ft. .....ft. .....ft. above the test tool

Weight of mud before test.....lbs./gal.: Chloride content .....ppm

Weight of mud recovered .....lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered:.....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office)..... (Field)..... Final: (Office) ..... (Field) .....

Initial Shut In Pressure .... Final: ....

Initial Flow Pressure .... Final: ....

Well Bore Temp: .....°F Bomb Capacity: Top..... Bottom.....

Engineer D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 8

Name of Well Candel DECKMG et al Tate J-65 Date Test Run January 31, 1972

Testing Company B. J. Service Division Operator W. Budvarson

Type Packer Dual straddle Size Packer(s) 4 at 7½" Choke ½"

Interval Tested: 7360 to 7250 Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set .....M. Time Tool Opened .....M. (elapsed) 30 mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) 40 mins.

Final shut in: Time Tool Closed .....M. Time Tool Pulled .....M. (elapsed) 60 mins.

Preflow (elapsed) 15 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: No Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 9298 T.D. Tester: 9298 Was Test A Misrun: yes

Cause of Misrun: ?

Flow Data:

Description of Initial Blow: .....

Did Blow die or Decrease: .....

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery:

Total fluid in (size) 2-7/8" ID Drill Collars OD drill pipe: 10 feet .....barrels

(describe fluid) ..... Oil: ..... feet .....barrels

..... Water: ..... feet .....barrels

..... Mud: 10 feet .....barrels

Saved Samples At: .....ft. .....ft. .....ft. above the test tool

Weight of mud before test .....lbs./gal.: Chloride content .....ppm

Weight of mud recovered .....lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered: .....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office) 3614.3 (Field)..... Final: (Office) 3614.3 (Field) .....

Initial Shut In Pressure .... Final: ....

Initial Flow Pressure .... Final: ....

Well Bore Temp: 210 °F Bomb Capacity: Top 5700 Bottom 5750

Engineer D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 9

Name of Well Candel DECKMG et al Tate J-65 Date Test Run February 1, 1972

Testing Company B. J. Services Operator W. Budvarson

Type Packer Dual straddle Size Packer(s) 4 at 7½" Choke ½"

Interval Tested: 7360 to 7250 Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set .....M. Time Tool Opened .....M. (elapsed) 20 mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) 115 mins.

Final shut in: Time Tool Closed .....M. Time Tool Pulled .....M. (elapsed) 235 mins.

Preflow (elapsed) 15 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: No Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 9298 T.D. Tester: 9298 Was Test A Misrun: yes

Cause of Misrun: ?

Flow Data:

Description of Initial Blow: .....

Did Blow die or Decrease: .....

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery:

Total fluid in (size)..... OD drill pipe:..... feet .....barrels

(describe fluid) ..... Oil:..... feet .....barrels

..... Water:..... feet .....barrels

..... Mud:..... feet .....barrels

Saved Samples At:.....ft. .....ft. .....ft. above the test tool

Weight of mud before test.....lbs./gal.: Chloride content .....ppm

Weight of mud recovered .....lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered:.....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office) 3580.0 (Field)..... Final: (Office) 3580.0 (Field) .....

Initial Shut In Pressure .... Final: ....

Initial Flow Pressure .... Final: ....

Well Bore Temp: .....°F Bomb Capacity: Top..... Bottom..... .....

Engineer D. Nelson

DRILL STEM TEST REPORT

Company CanDel Oil Ltd. Drill Stem Test No. 10

Name of Well Candel DECKMG et al Tate J-65 Date Test Run February 3, 1972

Testing Company B. J. Services Operator W. Budvarson

Type Packer Dual straddle Size Packer(s) 4 at 7½" Choke ½"

Interval Tested: 7350 to 7245 Formation: Bear Rock

Test Data:

Initial shut in: Time Packer set .....M. Time Tool Opened .....M. (elapsed) 40 mins.

Flow Period: Time Tool Opened .....M. Time Tool Closed .....M. (elapsed) 70 mins.

Final shut in: Time Tool Closed .....M. Time Tool Pulled .....M. (elapsed) 83 mins.

Preflow (elapsed) 24 mins.

Tight Hole Test: Yes ..... No x Size of Chamber .....

Water Cushion: No Type of Hole: (Rathole) (Fullhole) (Cased)

T.D. Driller: 9298 T.D. Tester: 9298 Was Test A Misrun: No

Cause of Misrun: .....

Flow Data:

Description of Initial Blow: No blow on preflow. Re-set tool, skidded, lost mud - good blow, good

Did Blow die or Decrease: blow on flow

Gas Flow To Surface In ..... mins. Initial Gas Flow ..... MCF/Day

Stabilized Gas Flow ..... MCF/Day Measured by: (Test) (Impact) (Side Static)

Time For Gas Flow to Stabilize ..... mins. Gas Description: (Sweet) (Sour) (Dry) (Wet)

Gas Sample Saved After ..... mins. Fluid To Surface In ..... mins.

Fluid Description: .....

Nature of Flow: .....

Remarks: .....

Recovery: 568' 2-7/8" ID Drill Collars

Total fluid in (size) 4½" OD drill pipe: ..... feet ..... barrels

(describe fluid) ..... Oil: ..... feet ..... barrels

slightly gassy, muddy salt Water: 978 feet ..... barrels

H20 cut drilling Mud: 2927 feet ..... barrels

Saved Samples At: .....ft. .....ft. .....ft. above the test tool

Weight of mud before test .....lbs./gal.: Chloride content .....ppm

Weight of mud recovered .....lbs./gal.: Chloride content .....ppm

Weight of water recovered .....lbs./gal.: Chloride content .....ppm

Oil Recovered: .....°API Color..... Smell.....

Pressure Data:

Initial Hydrostatic: (Office) 3721.7 (Field)..... Final: (Office) 3721.7 (Field) .....

Initial Shut In Pressure - ..... Final: 2589.6 .....

Initial Flow Pressure 1693.4 ..... Final: 2161.9 .....

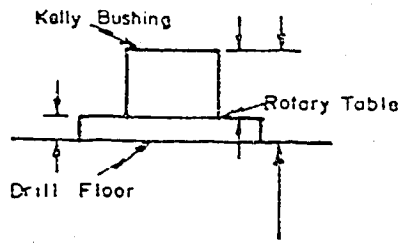
Well Bore Temp: 200 °F Bomb Capacity: Top 5700 Bottom 5750

Engineer D. Nelson

FLUID ANALYSIS

Lab No.	Sample	From - To	Source	Remarks
933-11583	Mud-cut water	4110-4152	D.S.T.#1	Mud Filtrate analysis
933-213	Gassy salt water	5992-6030	D.S.T.#2 - Top of tool	Water analysis
901-227	Mud	7200-7285	D.S.T.#4 - Tool chamber	Gas - Condensate analysis
			- Tool chamber	Mud Filtrate analysis
			- Top of tool	Mud Filtrate analysis
933-2248	Mud cut water	8610-8410	D.S.T.#6 - Tool chamber	Water analysis
933-2248	Mud cut water	7350-7245	D.S.T.#10 - Tool chamber	Water analysis
933-2198	Mud	8610-8410	D.S.T.#6 - Top of tool	Mud Filtrate analysis
933-2198	Mud	7350-7245	D.S.T.#10 - Top of tool	Mud Filtrate analysis

CASING TALLY



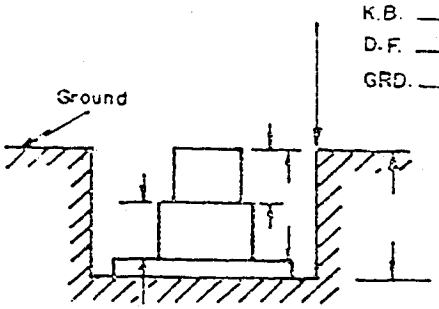
SURFACE ☒ INTERMEDIATE ☐ PRODUCTION ☐

SIZE	9-5/8"	RANGE	1
TYPE	ST & C	WEIGHT	36#
GRADE	K-55	THREAD	8 rd

NO. JOINTS 25
LANDING DEPTH 1028
DEPTH BELOW K.B.

TOTALS

TOTAL JOINTS USED	25	LENGTH	1029.84
TOTAL JOINTS LEFT	1	LENGTH	41.34
GRAND TOTAL	26		1071.18



ELEVATIONS
K.B. 1993
D.F.
GRD. 1972

REMARKS

CEMENTING
NO. OF SACKS 790
% $CaCl_2$ 2%
% GEL

TYPE CEMENT Portland
HOURS TO SET 20
LENGTH CEMENT COLUMN 1007
AVERAGE WEIGHT OF SLURRY 14.6

CEMENTING COMPANY BJ Services
DATE Dec. 6/71
TYPE SHOE float
LENGTH 1.78
TYPE COLLAR float
LENGTH 1.42
CENTRALIZERS four
SCRATCHERS

NO	LENGTH	NO	LENGTH	NO	LENGTH	NO	LENGTH	NO	LENGTH	NO	LENGTH	NO	LENGTH	NO	LENGTH
1	40 53	11	39 73	21	38 38	31		41		51		61		71	415 42
2	42 10	12	41 32	22	41 32	32		42		52		62		72	408 73
3	41 55	13	41 25	23	42 03	33		43		53		63		73	247 03
4	42 74	14	41 79	24	42 02	34		44		54		64		74	
5	41 36	15	41 23	25	41 94	35		45		55		65		75	
6	42 18	16	41 08	26	41 34	36		46		56		66		76	
7	40 75	17	40 40	27	247 03	37		47		57		67		77	
8	41 25	18	41 01	28	1 42	38	Float Collar			58		68		78	
9	41 59	19	40 82	29	1 78	39	Float Shoe			59		69		79	1071 18
10	41 37	20	40 10	30		40		50		60		70		80	3 20
	415 42		408 73		250.23										1074 38

81		91		101		111		121		131		141		151	
82		92		102		112		122		132		142		152	
83		93		103		113		123		133		143		153	
84		94		104		114		124		134		144		154	
85		95		105		115		125		135		145		155	
86		96		106		116		126		136		146		156	
87		97		107		117		127		137		147		157	
88		98		108		118		128		138		148		158	
89		99		109		119		129		139		149		159	
90		100		110		120		130		140		150		160	

BIT RECORD

Well Candel DECKMG et al Tate J-65 64-30N - 125-15W

Drilling Contractor Jennings International Drilling

Date Drilling Started November 30, 1971 Date Completed

Bit No	Size	Make and Kind	Serial	Depth From	Depth To	Total Feet	Total Hours	Remarks
1	8-3/4	Hughes W XIG	35826	0	193	193	5½	2-1-1
2	8-3/4	" " XIG	35827	193	371	178	7	2-1-1
3	8-3/4	" " XIG	35817		reamed		22-3/4	8-8-5
4	8-3/4	" " XIG	28072	371	1028	657		
1	8-3/4	Hughes W XIG	31328	1028	2450	1422	46	5-1-1
2	8-3/4	" " XIG	35816	2450	2988	538	25½	5-1-1
3	8-3/4	" " XIG	31327	2988	3328	340	22¼	5-1-1
4	8-3/4	" " J-33	JD 706	3328	4708	1380	83½	1-1-1
5	8-3/4	" " J-44	DJ 566	4708	4778	70	10¼	1-1-1
6	8-3/4	" " J-33	JD 696	4778	5960	1172	119	1-1-1
5RR	8-3/4	" " J-44	DJ 566	5960	6620	670	111	1-1-1
7	8-3/4	" " J-55	JS 839	6620	8048	1428	186	5-1-1
8	8-3/4	" " J-55	JL 839	8048	8825	777	130¾	7-1-1
9	8-3/4	" " X-55 R	32795	8825	9047	222	50-3/4	6-6-1
10	8-3/4	" " WD 7	35803	9047	9123	76	25½	7-1-1
11	8-3/4	" " X55 R	32800	9123	9298	175	39½	1-3-1

DAILY MUD RECORD

Date		Depth	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	Sawdust	Sapp	DV 68
Nov. 30/71												
	1	193										
Tours	2	250	9.2+	85				5800#				
	3	371	9.2	94				4200#	100#	20 sks.		
Dec. 1/71												
	1	371	8.9	125				200#				
Tours	2	371	9.2	125				2600#	100#			
	3	371	9.2	160				900#		20 sks.		
Dec. 2/71												
	1	371										
Tours	2	371	8.9	180				4400#	200#			
	3	371	9.2	300				1000#				
Dec. 3/71												
	1	371	9.3	310				500#				
Tours	2	371	9.2	500+				1000#				
	3	519	9.2	640								
Dec. 4/71												
	1	663	9.4	800								
Tours	2	833	9.4	500+				1000#				
	3	990	9.4	630				1000#		20 sks.		
Dec. 5/71												
	1	1028	9.4	525				500#				
Tours	2	1028	9.4	500+				3100#	100#			
	3	1028	9.4	734				300#				
Dec. 6/71												
	1	1028	9.4	450								
Tours	2	1028	9.4	400				700#				
	3	1028	9.2	150							200#	
Dec. 7/71												
	1	1028										
Tours	2	1028										waiting on cement
	3	1028										
Dec. 8/71												
	1	1028										
Tours	2	1028										
	3	1068	8.3	28								
Dec. 9/71												
	1	1319	8.5	28								
Tours	2	1722	8.9	28								
	3	1960	9.5	28								
Dec. 10/71												
	1	2044	9.0	28								
Tours	2	2044										
	3	2138	9.5	28								

DAILY MUD RECORD

Date	Depth	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	DV-68	CMC	
Dec. 11/71											
1	2296	9.6	30								
Tours 2	2440	9.2	30								
3	2516	9.6	30								
Dec. 12/71											
1	2690	9.2	28						4 gals.		
Tours 2	2886	9.1	28			8.5					
3	2980	9.0	28								
Dec. 13/71											
1	2988										
Tours 2	2988										Fishing
3	2988										
Dec. 14/71											
1	3088	9.4	28			8.5					
Tours 2	3216	9.5	29			8.5					
3	3310	9.4	29								
Dec. 15/71											
1	3366	9.3	32				2000#				
Tours 2	3428	9.4	34				2000#				
3	3530	9.2	33								
Dec. 16/71											
1	3663	9.0	32								
Tours 2	3883	9.1	32				2500#	100#			
3	3980	9.3	33				1200#				
Dec. 17/71											
1	4152	9.3	36				4100#	100#	2 gals.		
Tours 2	4152	9.3	36								
3	4152	9.3	41				2500#	150#		200#	
Dec. 18/71											
1	4152	9.0	55	11.0	2		900#				
Tours 2	4152										
3	4192	9.1	60								
Dec. 19/71											
1	4320	9.0	36	12	2	9.0					
Tours 2	4420	8.9	36								
3	4516	9.2	35		2						
Dec. 20/71											
1	4621	9.2	33								
Tours 2	4686	9.2	35								
3	4708										
Dec. 21/71											
1	4747	9.3	43	8.8	2	9.5	1000#	100#			
Tours 2	4778	9.4	37	8.6	2	9.0	1200#				
3	4830	9.5	43	8.6	2	9.0					

Date		Depth	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	DV-68	CMC	Peltex
Dec. 22/71												
	1	4898	9.5	42	9.0	2	9.0	1000#				
Tours	2	4966	9.5	40	8.8	2	9.0	1200#		1 gal.		
	3	5028	9.5	42	8.8	2	9.0					
Dec. 23/71												
	1	5093	9.8	39	9.0	2	9.0	1100#		1 gal.		
Tours	2	5165	9.7	38	10.0	2	9.5	2100#	100#	2 gals.	50#	
	3	5225	9.5	40	9.0	2	9.5					
Dec. 24/71												
	1	5313	9.3	41	10.0	2	9.5	1100#		1 gal.	50#	
Tours	2	5383	9.5	42	10.4	2	9.0	1800#	100#	2 gals.	50#	
	3	5445	9.4	38	9.4	3	9.0	1100#		1 gal.	100#	
Dec. 25/71												
	1	5514	9.3	40	8.4	3	9.0					
Tours	2	5605	9.4	45	9.2	2	9.0	1700#		2 gals.	50#	
	3	5695	9.2	37	9.2	2	8.5					
Dec. 26/71												
	1	5777	9.3	45	9.2	2	9.0	1800#		2 gals.	50#	
Tours	2	5850	9.4	46	9.0	2	9.0	1800#	100#	2 gals.	50#	
	3	5942	9.4	39	9.4	2	9.0					
Dec. 27/71												
	1	5950	9.4	37	9.2	2	9.0					
Tours	2	5978	9.4	50	7.4	2	8.5	3600#		4 gals.	100#	
	3	6022	9.4	47	8.0	2		2000#		2 gals.		
Dec. 28/71												
	1	6030	9.5	54	7.6	2	8.0					
Tours	2	6030										
	3	6036										
Dec. 29/71												
	1	6091	9.5	55	7.0	2	8.5	1200#		1 gal.		
Tours	2	6130	9.4	61	8.2	2	9.0	2000#	100#			
	3	6183	9.5	52	8.6	2	8.5					
Dec. 30/71												
	1	6239	9.5	64	8.2	2	9.0	1300#	100#	1 gal.		
Tours	2	6293	9.3	60	8.0	2	9.0	2400#		2 gals.		
	3	6352	9.5	52	8.2	2	8.5					
Dec. 31/71												
	1	6403	9.5	58	8.2	2	9.0	1400#	100#	1 gal.	50#	
Tours	2	6459	9.4	58	8.0	2	9.5	1200#	100#	1 gal.		
	3	6512	9.4	48	8.6	2	9.0					
Jan. 1/72												
	1	6559	9.4	52	8.4	2	9.0	1200#		1 gal.		
Tours	2	6616	9.4	58	8.6	2	9.0	1200#		1 gal.		
	3	6620	9.4	58	8.6	2	9.0					

DAILY MUD RECORD

Date		Depth	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	CMC	DV-68	Peltex
Jan. 2/72												
	1	6620										
Tours	2	6638	9.5	55	8.0	2	8.5		100#			
	3	6693	9.5	50	8.4	2	9.0	2100#	100#		2 gals.	200#
Jan. 3/72												
	1	6753	9.4	55	8.8	2	10.5	2000#	100#	50#	2 gals.	200#
Tours	2	6810	9.4	60	8.2	2	10.5	2000#	200#		2 gals.	100#
	3	6865	9.4	53	8.0	2	10.5					
Jan. 4/72												
	1	6919	9.4	57	8.7	2	11.0	3600#	100#		3 gals.	200#
Tours	2	6969	9.4	55	8.6	2	10.5	2200#	50#		2 gals.	200#
	3	7014	9.4	52	8.4	2	10.5					
Jan. 5/72												
	1	7070	9.4	46	8.0	2	10.5					
Tours	2	7120	9.4	47	8.6	2	10.5	2000#			2 gals.	
	3	7170	9.5	49	8.2	2	10.5					
Jan. 6/72												
	1	7227	9.4	51	8.0	2	10.5	2000#	100#		2 gals.	200#
	2	7285	9.4	51	8.6	2	10.5	2000#			2 gals.	
	3	7285	9.4	70	8.8	2	10.5	2500#			2 gals.	
Jan. 7/72												
	1	7285										Running D.S.T #4
Tours	2	7285										
	3	7292										
Jan. 8/72												
	1	7359	9.4	56	8.0	2	10.5		100#			100#
Tours	2	7421	9.5	56	8.6	2	10.5					
	3	7492	9.4	50	8.1	2	10.5	2600#	50#		2 gals.	100#
Jan. 9/72												
	1	7572	9.4+	56	8.2	2	10.5					
Tours	2	7627	9.5	55	9.2	2	10.5					
	3	7680	9.4+	57	9.0	2	10.5					
Jan. 10/72												
	1	7727	9.4	59		2	10.5	2800#	50#		3 gals.	
Tours	2	7777	9.5	60	9.4	2	10.5	2800#	50#			100#
	3	7833	9.5	67	7.6	2	10.5	3000#	100#	100#	3 gals.	100#
Jan. 11/72												
	1	7889	9.5	58	7.8	2	10.5		100#			200#
Tours	2	7940	9.5	52	8.2	2	10.5	3400#	100#	100#	3 gals.	200#
	3	7986	9.5	56	8.6	2	10.5	2800#	400#		3 gals.	300#
Jan. 12/72												
	1	8045	9.4	62	8.6	2	10.5	3000#			3 gals.	
Tours	2	8048	9.4	62	8.4	2	10.5					
	3	8058	9.4	58	7.8	2	10.5					

DAILY MUD RECORD

Date		Depth	Weight #/ Gal.	Viscosity Seconds	Water Loss 15 min. C.C.	Filter Cake 32nds	Ph.	Remarks and Additives Gel	Caustic	CMC	DV-68	Peltex	Misc.
Jan. 13/72													
	1	8102	9.4	55	8.4	2	10.5						
Tours	2	8151	9.5	57	8.4	2	10.5	3500#					
	3	8199	9.4	68	7.6	2	10.0	3100#					
Jan. 14/72													
	1	8240	9.4	63	7.8	2	10.5		100#		3 gals.		
Tours	2	8297	9.5	60	8.4	2	10.5	3200#	100#		3 gals.	200	
	3	8348	9.4	61	8.4	2	10.5						
Jan. 15/72													
	1	8410	9.4	54	8.2	2	10.5	3000#			3 gals.		
Tours	2	8458	9.4	65	8.6	2	10.5		100#				
	3	8508	9.4	53	8.8	2	10.0						
Jan. 16/72													
	1	3556	9.4	62	8.6	2	10.0	3600#	100#		3 gals.	200	
Tours	2	8597	9.4	70	9.4	2	10.5		200#				
	3	8635	9.4	74	9.6	2	10.5						
Jan. 17/72													
	1	8676	9.4	52	10.0	2	10.0			50			
Tours	2	8713	9.3	115	10.6	2	11.0	2000#	200#	100	2 gals.	400	
	3	8747	9.3	55	10.2	2	11.0		100#	100		1400	
Jan. 18/72													
	1	8785	9.2	50	10.4	2	10.5	2800#			2 gals.		
Tours	2	8821	9.2	62	8.8	2	10.0	1600#	100#	200	2 gals.	200	
	3	8825	9.2	63	8.4	2	10.5						
Jan. 19/72													
	1	8825											Diesel Stuck 1000 gals. in No Stik hole 20 gals.
	2												
	3												
Jan. 20/72													
	1	8825											
Tours	2	8850	9.4	55	8.0	2	9.0	3000#	300#		3 gals.	600	
	3	8879	9.2	72	7.8	2	10.5						
Jan. 21/72													
	1	8917	9.3	65	8.4	2	10.5						
Tours	2	8947	9.3	65	8.2	2	10.0		100#			200	
	3	8981	9.2	50	10.2	2	10.5						
Jan. 22/72													
	1	9011	9.3	65	8.8	2	10.5	2200	100#	150		200	
Tours	2	9045	9.3	64	8.4	2	10.5		100#			200	
	3	9047											Trip for new bit
Jan. 23/72													
	1	9047	9.0	80	9.7	2	10.5	4600	50#				Sawdust 20 sx
Tours	2	9068	9.2	70	9.8	2	10.5						lose 200 bbls
	3	9091	9.3	60	9.8	2	10.5						mud to format

DAILY MUD RECORD

Date		Depth	Weight	Viscosity	Water Loss	Filter Cake	Ph.	Remarks and Additives					
			#/ Gal.	Seconds	15 min. C.C.	32nds		Gel	Caustic	CMC	DV-68	Peltex	Misc.
Jan. 24/72													
	1	9112	9.3	64	9.4	2	10.5	2200		150			
Tours	2	9123	9.3	72	8.8	2	10.0						
	3	9125											Trip for new bit
Jan. 25/72													
	1	9157	9.3	68	9.4	2	11.5		150			300	
Tours	2	9192	9.3	65	9.0	2	10.5	3400#		100	3 gals.		
	3	9224	9.3	66	8.7	2	10.0		200			400	
Jan. 26/72													
	1	9258	9.3	67	8.6	2	10.5						
Tours	2	9297	9.3	88	8.2	2	10.5	3400#			3 gals.		
	3	9298	9.3	115	8.2	2	10.5						
Jan. 27/72													
	1	9298											Logging.
Tours	2	9298											
	3	9298											
Jan. 28/72													
	1	9298											
Tours	2	9298											Testing.
	3	9298											
Jan. 29/72													
	1	9298											
Tours	2	9298											Testing.
	3	9298											
Jan. 30/72													
	1	9298											
Tours	2	9298											Testing.
	3	9298											
Jan. 31/72													
	1	9298											
Tours	2	9298	9.5	48	10	2	9.0	3500#	50#				
	3	9298											
Feb. 1/72													
	1	9298											
Tours	2	9298											Testing.
	3	9298											
Feb. 2/72													
	1	9298											
Tours	2	9298	9.2	44				3000#	250#	500#			
	3	9298											
Feb. 3/72													
	1	9298											
Tours	2	9298											Testing.
	3	9298											
Feb. 3/72	1												
Tours	2												Plugging.
	3												

DAILY PROGRESS REPORT

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Nov. 30/71	0	371	371	12-3/4	1A & 2A	60 90 190 280	¼ ¼ ¼ ½	Drill 371' with 8-3/4" rock bit, ran four surveys, tripped for Bit #2A and tripped for plugged bit. Mixed mud for lost circulation. Spudded at 12:01 A.M.
Dec. 1/71	371	371	0	0	2A			Worked on lost circulation, worked on stuck pipe, waited on washover pipe. Attempted to move fish.
Dec. 2/71	371	371	0	0	3A			Retrieve fish, laid down square collar, pick up reamer and reamed hole, worked tight hole.
Dec. 3/71	371	519	148	3-3/4	3A & 4A	426	½	Drilled 148' with 8-3/4" rock bit. Reamed and cleaned hole, tripped for Bit #4A, ran one survey.
Dec. 4/71	519	990	471	16¼	4A	516 580 674 770 823 886 948	½ ½ 3/4 3/4 1 1 1¼	Drilled 471' with 8-3/4" rock bit, ran 6 surveys and worked on pump
Dec. 5/71	990	1028	38	2¼	4A	1028	¼	Drilled 38' with 8-3/4" rock bit, ran one survey, tripped for Bit #5A and reamer, reamed hole to 13-3/4" from 371' K.B. to 90' K.B
Dec. 6/71	1028	1028	-	-	-	-	-	Reamed hole to 13-3/4", circulated hole clean, made two dummy trips, circulated hole again, hoisted rig to run casing, ran casing and started to cement.
Dec. 7/71	1028	1028	-	-	-	-	-	Finished running cement and displaced plug. Waited on cement, dug cellar, cut off casing installed wellhead and nipped up blow out preventors.
Dec. 8/71	1028	1068	40	1¼	1			Drilled 8-3/4" hole with rock bit, finished nippling up blow out preventors, pressure tested blind rams, pressure tested Hydrill and drilled out.
Dec. 9/71	1068	1960	892	21¼	1	1123 1215 1310 1446 1541 1689 1792 1919	½ ½ ½ ½ 3/4 1 1 7/8	Drilled 892' with 8-3/4" rock bit and ran eight surveys.

DAILY PROGRESS REPORT

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	S.D.G.	
Dec. 10/71	1960	2138	178	7½	1	2138	1½°	Drilled 178' with 8-3/4" rock bit, ran one survey, fixed boiler, thawed out frozen line and repaired same.
Dec. 11/71	2138	2516	378	19½	2	2264 2359 2516	1½ 1½ 1½	Drilled 378' with 8-3/4" rock bit, ran three surveys and tripped for Bit #2.
Dec. 12/71	2516	2980	464	22¼	2	2611 2674 2794 2924	2 2 2 2	Drilled 464' with 8-3/4" rock bit and ran four surveys
Dec. 13/71	2980	2988	8	¼	2			Drilled 8' with 8-3/4" rock bit. Tripped out of hole, dropped hammer in hole. Made fishing run with magnet, made fishing run with globe basket. Ran in with bit.
Dec. 14/71	2988	3310	322	20-3/4	3	3020 3114 3209	2 2½ 2½	Drilled 322' with 8-3/4" rock bit, ran three surveys
Dec. 15/71	3310	3520	210	15-3/4	3 & 4	3294 3397	2½ 3	Drilled 210' with 8-3/4" rock bit, ran two surveys and tripped for Bit #4.
Dec. 16/71	3520	3980	460	21-3/4	4	3520 3651 3775 3869	2-3/4 2-3/4 3¼ 3-3/4	Drilled 460' with 8-3/4" rock bit, ran four surveys
Dec. 17/71	3980	4152	172	7½	4	3994 4121	3¼ 3½	Drilled 172' with 8-3/4" rock bit, ran two surveys, worked stuck pipe, spotted diesel fuel, pulled loose, hoisted and tripped into [illegible] hole.
Dec. 18/71	4152	4192	40	3	4 RR			Drilled [illegible]' with 8-3/4" rock bit, cleaned hole and conditioned mud, [illegible] pulled D.S.T. and layed down tool. Ran in with bit and started drill.
Dec. 19/71	4192	4516	324	21¼	4 RR	4245 4466	3-3/4 4¼	Drilled [illegible] with 8-3/4" [illegible] and ran two surveys

DAILY PROGRESS REPORT

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Dec. 20/71	4516	4708	192	16½	4 RR	4591	4¼	Drilled 192' with 8-3/4" rock bit, ran one survey and tripped for Bit #5
Dec. 21/71	4708	4830	123	16¼	5 & 6	4716	4½	Drilled 123' with 8-3/4" rock bit, ran one survey and tripped for Bit #6
Dec. 22/71	4830	5028	198	21½	6	4810 4895	4-3/4 4-3/4	Drilled 198' with 8-3/4" rock bit and ran two surveys
Dec. 23/71	5028	5225	197	21-3/4	6	5030 5146	5¼ 5-3/4	Drilled 197' with 8-3/4" rock bit and ran two surveys
Dec. 24/71	5225	5445	225	21-3/4	6	5270 5407	6° 6°	Drilled 225' with 8-3/4" rock bit and ran two surveys
Dec. 25/71	5445	5695	250	23¼	6			Drilled 250' with 8-3/4" rock bit.
Dec. 26/71	5695	5942	247	23¼	6			Drilled 247' with 8-3/4" rock bit.
Dec. 27/71	5942	6022	80	11-3/4	6 & 5 RR	5942 5964	7° 6°	Drilled 80' with 8-3/4" rock bit, ran two surveys and tripped for Bit #5 RR
Dec. 28/71	6022	6036	14	1¼	5 RR			Drilled 14' with 8-3/4" rock bit. Tripped out to pick up test tool, ran D.S.T. #2, tripped in and cleaned to bottom
Dec. 29/71	6036	6183	147	22¼	5 RR	6090	6°	Drilled 147' with 8-3/4" rock bit and ran one survey.
Dec. 30/71	6183	6352	169	22-3/4	5 RR	6216	6¼°	Drilled 169' with 8-3/4" rock bit and ran one survey.
Dec. 31/71	6352	6512	160	21½	5 RR	6342 6374	9½ 9-3/4	Drilled 160' with 8-3/4" rock bit and ran two surveys.
Jan. 1/72	6512	6620	108	15	5 RR	6500	9-3/4	Drilled 108' with 8-3/4" rock bit and ran one survey, hoisted for D.S.T. #3 and started to make up tool.
Jan. 2/72	6620	6693	73	9¼	7	6646	10°	Drilled 73' with 8-3/4" rock bit and ran one survey, finished D.S.T. #3 and ran into hole.
Jan. 3/72	6693	6865	172	22-3/4	7	6752	9-3/4	Drilled 172' with 8-3/4" rock bit and ran one survey.

DAILY PROGRESS REPORT

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Jan. 4/72	6865	7014	149	21-3/4	7	6847 6950	9½ 9-3/4	Drilled 149' with 8-3/4" rock bit and ran two surveys.
Jan. 5/72	7014	7170	156	22½	7	7075	9½	Drilled 156' with 8-3/4" rock bit and ran one survey.
Jan. 6/72	7170	7285	115	13¼	7	7202	8-3/4	Drilled 115' with 8-3/4" rock bit and ran one survey, circulated sample, made dummy trip and started to hoist for test.
Jan. 7/72	7285	7292	7	3/4	7 RR			Drilled 7' with 8-3/4" rock bit, ran D.S.T. #4 and ran into hole.
Jan. 8/72	7292	7492	200	21-3/4	7 RR	7319 7444	9½ 8½	Drilled 200' with 8-3/4" rock bit, and ran two surveys.
Jan. 9/72	7492	7680	188	22	7	7547 7664	8½ 8½	Drilled 188' with 8-3/4" rock bit and ran two surveys.
Jan. 10/72	7680	7832	152	20-3/4	7	7757	9	Drilling, ran one survey.
Jan. 11/72	7832	7987	155	22½	7	7880	8½	Drilling, ran one survey.
Jan. 12/72	7987	8058	71	9-3/4	7 & 8			Drilling, trip for bit #8 at 8048', some tight spots, 90' of fill.
Jan. 13/72	8058	8199	141	22½	8	8048	8½	Drilling, ran one survey.
Jan. 14/72	8199	8348	149	20-3/4	8	8174 8300	8½ 9½	Drilling, ran two surveys.
Jan. 15/72	8348	8508	160	22½	8	8414	10	Drilling, ran one survey.
Jan. 16/72	8508	8635	127	22½	8	8540	10½	Drilling, ran one survey.
Jan. 17/72	8635	8747	112	22¼	8	8707	11¼	Drilling, ran one survey.
Jan. 18/72	8747	8825	78	17¼	8			Trip for new bit.
Jan. 19/72	8825	8825	none	0				Repairs; stuck at 1678' on trip out for Bit #9. Spot diesel fuel and no-stik - work pipe and pull loose - elapsed time 17-3/4 hrs. Pull out - cut and slip line - work on draw works.

DAILY PROGRESS REPORT

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Jan. 20/72	8825	8879	54	11½	9	8822	12	Drilling. Tight on trip in - ream bridges 6060' - 7500' and 8000' - 8100'.
Jan. 21/72	8879	8981	102	23½	9			Drilling.
Jan. 22/72	8981	9047	66	16	9	8948	12	Trip for Bit #10. Some tight spots on way out - lay down reamers and square collars.
Jan. 23/72	9047	9091	44	13-3/4	10			Drilling. Hit bridge at 7947' on trip in with Bit #10 - break circulation - lose 200 bbls. of mud - build volume and add lost circulation material - 10' fill on bottom.
Jan. 24/72	9091	9125	34	12½	10 & 11	9057	12½	Drilling. Tripped for Bit #11 at 9123.
Jan. 25/72	9125	9224	99	23½	11			Drilling.
Jan. 26/72	9224	9298	74	15½	11	9183	12½	Trip to log. Drilled to F.T.D. at 9298' - prepare to run logs.
Jan. 27/72	9298	9298						Finished trip out and started to log.
Jan. 28/72	9298	9298						Finished logging, ran in for D.S.T. #5, tested and pulled test, laid down test tool.
Jan. 29/72	9298	9298						Tripped in with bit, cleaned and conditioned hole, pulled out for test tool, ran in with tool for D.S.T. #6, started test.
Jan. 30/72	9298	9298						Finished testing, worked stuck packer, pulled test tool, installed new rubbers, ran in for D.S.T. #7, ran into bridge and hoisted, ran into condition hole.
Jan. 31/72	9298	9298						Reamed hole, circulated hole, hoisted to test, made up D.S.T. #8 ran in and started test.
Feb. 1/72	9298	9298						Finished D.S.T. #8, hoisted, broke and laid down tool, waited on orders. Ran D.S.T. #9 and started to hoist.

DAILY PROGRESS REPORT

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Feb. 2/72	9298	9298						Finished hoisting D.S.T. #9, waited on orders, laid down test tool, ran in and cleaned hole. Pulled to pick up tool for D.S.T. #10, started to make up tool.
Feb. 3/72	9298	9298						Ran D.S.T. #10, hoisted, broke down test tool, waited on orders, loaded out test tool, ran in open ended.
Feb. 4/72	9298	9298						Circulated hole, ran Plug #1, ran Plug #2, hoisted 7 stands, hoisted plugged pipe, ran in and felt for Plug #2.
Feb. 5/72	9298	9298						Repaired rig and worked stuck pipe.
Feb. 6/72	9298	9298						Worked stuck pipe, ran Plug #3, waited on cement.
Feb. 7/72	9298	9298						Waited on cement, felt Plug #3, ran Plug #4, waited on cement, felt Plug #4, ran Plug #5, waited on cement, felt Plug #5, ran Plug #6, ran Plug #7 and waited on cement.
Feb. 8/72	9298	9298						Waited on cement, felt Plug #7, ran Plug #8, waited on cement, felt Plug #8, laid down pipe. Rig released at 7:30 P.M.

ABANDONMENT PLUGS:

#1 - 8500-8350' w/70 sacks cement + 2% $CaCl_2$.
Plug down 6:00 a.m. Feb. 4/72. No feel

#2 - 7650-7550' w/50 sacks cement + 2% $CaCl_2$.
Plug down 6:30 a.m. Feb. 4.
Felt @ 7516' @ 7 p.m. Feb. 4.

#3 - 7330-7180' w/75 sacks cement + 2% $CaCl_2$.
Plug down 6:30 p.m. Feb. 6.
Felt @ 7175' at 2:30 a.m. Feb. 7.

#4 - 6600-6500' w/50 sacks cement + 2% $CaCl_2$.
Plug down 3:00 a.m. Feb. 7.
Felt @ 6480' @ 11 a.m. Feb. 7

#5 - 6150-5950' w/90 sacks cement + 2% $CaCl_2$.
Plug down 11:30 a.m. Feb. 7.
Felt @ 5949' @ 7:30 p.m. Feb. 7.

#6 - 4200-4050' w/75 sacks cement. Plug down 8:30 p.m. Feb. 7. No feel.

#7 - 3850-3700' w/75 sacks cement + 2% $CaCl_2$.
Plug down 9:15 p.m. Feb. 7,
Felt @ 3690' @ 5:30 a.m. Feb. 8

#8 - 1075-975' w/55 sacks cement + 2% $CaCl_2$.
Plug down 7:30 a.m. Feb. 8. Felt @ 950' @ 3:30 p.m. Feb. 8.

#9 - 5 sacks cement in top of surface casing and plate welded on same.
Plug down 2:00 a.m. Feb. 9.

Rig Released 7:30 p.m. February 8, 1972.

LOGS:

Ran on January 27, 1972
Borehole Compensated Sonic Log
Interval - 9290 - 1028' K.B.

Ran on January 28, 1972
Formation Density Log
Interval - 9290 - 1028' K.B.

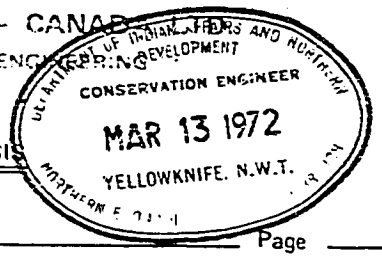
Ran on January 27, 1972
Dual Induction-Laterolog
Interval - 9294 - 1028' K.B.

Ran on January 27, 1972
Sidewall Neutron Porosity Log
Interval - 9290 - 1028 K.B.

Ran on January 28, 1972
High Resolution Dipmeter
Interval - 9290 - 5800 K.B.

CORE LABORATORIES – CANADA

PETROLEUM RESERVOIR ENGINEERING



GAS ANALYSIS

Company CanDel Oil Ltd. Page 1 of 3

Well CanDel Deckmg et al Tate J-65 File 901-227

Field Tate River Area, Northwest Territories Analyst JP MY

Location 64 24'39.00 N.L. 125 26'48.00 W.L. Elevation: K.B. ____ Grd. 1972'

Formation ____ Depth ____

Sampled from DST #4 (BJ Tool No. RFS 16) by BJ Testers

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

Date sampled Jan. 7/72 Date received Jan. 14/72 Date analysed Jan. 14/72

Container pressure ____ Mud ____ Water cushion ____

Recovery or flowrate: Tool Recovery: 3000 cc's Mud. Tool Opened @ 1 psig @ 76°F

COMPONENT	MOLE %	IMP. GPM @ 14.65 psia and 60°F
Hydrogen		
Helium		
Nitrogen	1.25	
Carbon Dioxide	.23	
Hydrogen Sulphide	.00	
Methane	95.83	
Ethane	2.22	
Propane	.37	.084
Iso Butane	.04	.011
Normal Butane	.05	.013
Iso Pentane	.01	.003
Normal Pentane	Trace	.000
Hexanes	.00	.000
Heptanes Plus	.00	.000
Total	100.00	.111
Pentanes Plus		.003

SPECIFIC GRAVITY

Calculated .577 Measured ____

GROSS B.T.U. per SCF 1019.1

Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.

VAPOR PRESSURE of PENTANES PLUS

(calculated) 20.4 psia @ 100°F

Pseudo Critical Pressure 672.2 psia

Pseudo Critical Temperature 349.4 °R

Remarks ____

CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

Company CanDel Oil Ltd — Page 2 of 3

Well CanDel Deckmg et al Tate J-65 — File 901-227

Field Tate River Area, Northwest Territories — Analyst LK

Location 64 24' 39.00 N.L. 125 26' 48.00 W.L. — Elevation: K.B. ____ Grd. 1972'

Formation ____ — Depth ____

Sampled from DST #4 (BJ Tool RFS 16) — by BJ Testers

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

Date sampled Jan. 7/72 — Date received Jan. 19/72 — Date analysed Jan. 24/72

Container pressure ____ — Mud ____ — Water cushion ____

Recovery or flowrate: Tool Recovery: 3000 cc's Mud.

Mud Filtrate Analysis

Resistivity	=	0.18 Ohm-meters @ 72°F
Chloride	=	24,977 mg/liter

CORE LABORATORIES — CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company: CanDel Oil Ltd. — Page: 3 of 3

Well: CanDel Deckmg et al Tate J-65 — File: 901-227

Field: Tate River Area, Northwest Territories — Analyst: LK

Location: 64 24'39.00 N.L. 125 26'48.00 W.L. — Elevation: K.B. _____ Grd. 1972'

Formation _____ Depth _____

Sampled from: DST #4 (Top of Tool) by: BJ Testers

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

Date sampled: Jan. 7/72 Date received: Jan. 20/72 Date analysed: Jan. 24/72

Container pressure _____ Mud _____ Water cushion _____

Recovery or flowrate: _____

Mud Filtrate Analysis

Resistivity	3.9 Ohm-meters @ 70°F
Chloride	12 mg/liter

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 933-2248 Page 1 of 2

Company CanDel Oil Ltd.

Well CanDel Deckmg et al Tate J-65 K.B. ____ Grd. 1972'

Location 64° 24' 39.00 N.L. 125° 26' 28.00 W.L. Field Tate River Province N. W. T.

Formation ____ Interval ____

Sampled from DST #6 (BJ Tool #109) by ____

Date sampled ____ Date analysed Feb. 25/72 Analyst LK

Recovery Tool Recovery: 3000 cc's muddy water.

____ Mud type ____ Water cushion ____

Resistivity 0.269 Ohm-meters @ ____ °F

Specific gravity 1.0213 @ 60°F

pH 7.4 H_2S Absent

Refractive Index 1.3379 @ 74°F

Total Solids:

Calculated 27,280 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
9251	1006	117	Pres.	-	-	-	15088	283	1535	Nil	Nil

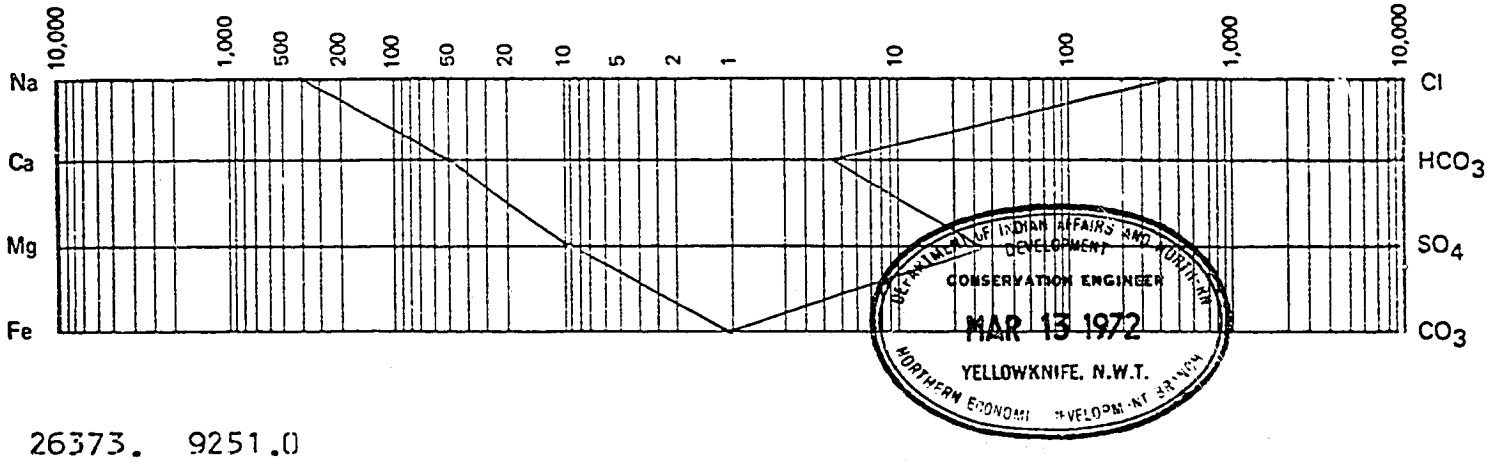
PER CENT CALCULATED SOLIDS

33.9	3.7	.4	Pres.	-	-	-	55.3	1.0	5.6	.0	.0

MEQ PER LITER

402.2	50.2	9.6	Pres.	-	-	-	425.5	4.6	31.9	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

26373. 9251.0

CORE LABORATORIES — CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 933-2248 Page 2 of 2

Company CanDel Oil Ltd.

Well CanDel Deckmg et al Tate J-65 K.B. Grd. 1972'

Location 64° 24' 39.00 N.L. 125° 26' 28.00 W.L. Field Tate River Province Alberta

Formation Interval

Sampled from DST #10 (BJ Tool #108) by

Date sampled Date analysed Feb. 25/72 Analyst LK

Recovery Tool Recovery: 3000 cc's muddy water.

Mud type Water cushion

Resistivity 0.182 Ohm-meters @ 71 °F

Specific gravity 1.0296 @ 60°F

pH 6.4 H_2S Absent

Refractive Index 1.3399 @ 72°F

Total Solids:

Calculated 41,361 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
14672	1006	188	Pres.	-	-	-	23552	210	1733	Nil	Nil

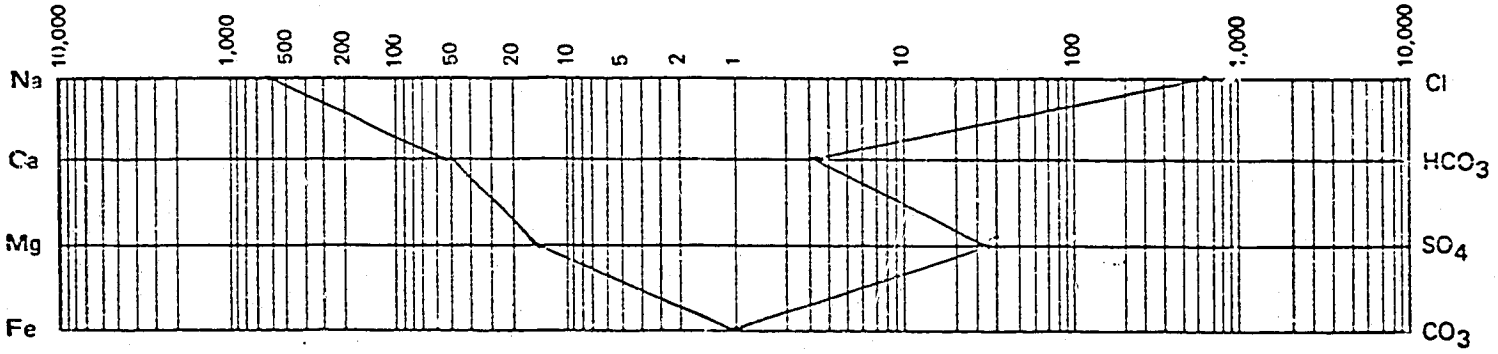
PER CENT CALCULATED SOLIDS

35.5	2.4	.5	Pres.	-	-	-	56.9	.5	4.2	.0	.0

MEQ PER LITER

637.9	50.2	15.5	Pres.	-	-	-	664.2	3.4	36.0	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



40480. 14672.0

WATER ANALYSIS

FOR

CANADIAN DELHI OIL LTD.

CANDEL DECKMG ET AL TATE J-65
TATE RIVER
NORTHWEST TERRITORIES

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

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 933-213 Page 1 of 1

Company Canadian Delhi Oil Ltd.

Well Candel Deckmg et al Tate J-65 K.B. ____ Grd. 1972'

Location 64° 24' 39.00 N.L. 125° 26' 28.00 W.L. Field Tate River Province N.W.T.

Formation Devonian Hume Interval 5992' - 6030'

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

Date sampled Dec. 28/71 Date analysed Jan. 7/71 Analyst LK

Recovery 2025' Liquid.

____ Mud type ____ Water cushion ____

Resistivity 0.28 Ohm-meters @ 68 °F

Specific gravity 1.0165 @ 60°F

pH 7.4 H_2S Absent

Refractive Index 1.3374 @ 68°F

Total Solids:

Calculated 25,203 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
9439	201	38	Pres.	-	-	-	14315	1210		Nil	Nil

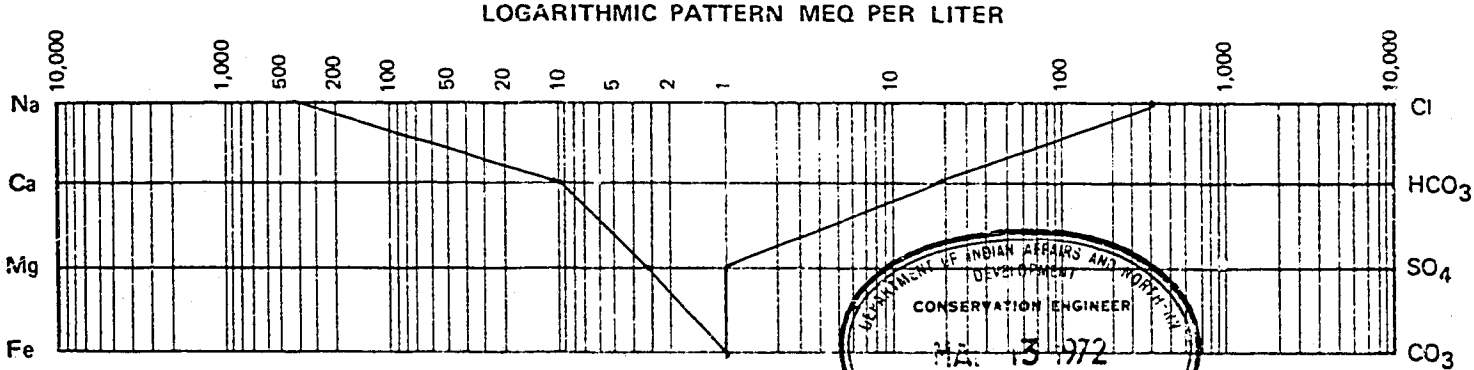
PER CENT CALCULATED SOLIDS

37.5	.8	.2	Pres.	-	-	-	56.8	4.8	.0	.0	.0

MEQ PER LITER

410.4	10.0	3.1	Pres.	-	-	-	403.7	19.8	.0	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

24348. 9439.0

MUD FILTRATE ANALYSES

FOR

CANDEL OIL LTD.

CANDEL DECKMG ET AL TATE J-65
TATE RIVER 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 2

Well CanDel Deckmg et al Tate J-65 File 933-2198

Field Tate River Area, N.W.T. Analyst LK

Location 64° 24' 39.00 N.L. 125° 26' 48.00 W.L. Elevation: K.B. _____ Grd. 1972'

Formation _____ Depth 8410' - 8610'

Sampled from DST #6 (Top of Tool) by _____

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

Date sampled Jan. 29/72 Date received Feb. 11/72 Date analysed Feb. 16/72

Container pressure _____ Mud _____ Water cushion _____

Recovery or flowrate: Slightly water cut drilling mud.

Mud Filtrate Analysis

Resistivity	=	0.87 Ohm-meters @ 73°F
Chloride	=	2,169 mg/liter

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ENGINEERING

CORE LABORATORIES — CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company: CanDel Oil Ltd. Page: 2 of 2

Well: CanDel Deckmg et al Tate J-65 File: 933-2198

Field: Tate River Area, N.W.T. Analyst: LK

Location: 64° 24' 39.00 N.L. 125° 26' 48.00 W.L. Elevation: K.B. _____ Grd. 1972'

Formation _____ Depth: 7245' - 7350'

Sampled from: DST #10 (Top of Tool) by _____

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

Date sampled: Feb. 3/72 Date received: Feb. 11/72 Date analysed: Feb. 16/72

Container pressure _____ Mud _____ Water cushion _____

Recovery or flowrate: Water cut drilling mud.

Mud Filtrate Analysis

Resistivity	=	0.180 Ohm-meters @ 73°F
Chloride	=	23,316 mg/liter

MUD FILTRATE ANALYSIS

FOR

CANADIAN DELHI OIL LTD.

CANDEL DECKMG ET AL TATE J-65
TATE RIVER AREA
ALBERTA

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

CORE LABORATORIES — CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company: Canadian Delhi Oil Ltd. — Page: 1 of 1

Well: Candel DeckMg et al Tate J-65 — File: 933-11583

Field: Tate River Area, N.W.T. — Analyst: LK

Location: 64 24'39.00 N.L. 125 26'48.00 W.L. — Elevation: K.B. ____ Grd. 1972'

Formation: ____ Depth: 4110' - 4152'

Sampled from: DST #1 (790') by: ____

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

Date sampled: Dec. 18/71 Date received: Dec. 22/71 Date analysed: Dec. 23/71

Container pressure: ____ Mud: ____ Water cushion: ____

Recovery or flowrate: Mud-Cut Water.

Mud Filtrate Analysis

Resistivity	13.0 Ohm-meters @ 71°F
Chloride	6 mg/liter

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BR.

BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKING IN ALBERTA

J-65

TEST NO. 1

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKMG ET AL TATE J-65 Test No. 1

Well Number J-65 64-30N 125-15W Zone Tested CRETACEOUS

Company CANADIAN DELHI OIL LTD. Interval 4110.0 TO 4152.0

Comp. Rep. D. NELSON Tester B. BUDVARSON Date DECEMBER 18, 197

Type of Test DUAL BOTTOM HOLE RFS Tool No. 12 DRAINED

Preflow 21.0 mins. ISI 20.0 mins. Flow 22.0 mins. FSI 35.0 mins

	I REC. No. 3972 3500 RANGE 12 HR. CLOCK	O REC. No. 3689 5700 RANGE 12 HR. CLOCK	REC. No. RANGE HR. CLOCK
DEPTH	4093.0	4127.0	
Initial Hydro Mud Press	1975.2	1991.5	
Initial Shut-In Press			
Initial Flow Press	258.0	291.4	
Final Flow Press	621.9	637.1	
Final Shut-in Press	1229.7	1247.9	
Final Hydro Mud Press	1975.2	1991.5	

Mud Drop NIL Fluid Loss 11.00 Mud Weight 9.0

Viscosity 55.0 Temperature °F Net Pay Tested

Top Packer Depth 4104.0 Bottom Packer Depth 4110.0 Total Depth 4152.0

Drill Pipe Size 4.5 FH Wt 16.6 Drill Collar I.D. 2.875 Ft. Run 537.0

Surface Choke Size CLOSED Bottom Choke Size 0.5 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 790.0

Recovered 790 Feet of MUD CUT WATER

Recovered Feet of

Recovered Feet of

Recovered Feet of

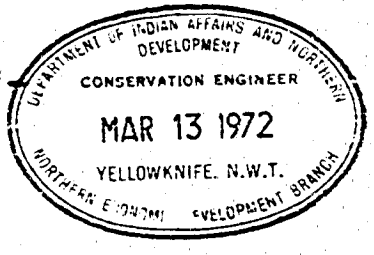
Recovered Feet of

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

REMARKS: NO BLOW ON PREFLOW. RESET TOOL 3 TIMES ON PREFLOW. GOOD BLOW ON FLOW. DEAD AFTER 25 MINUTES.



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

BJ BORG WARNER

TESTING REPORT

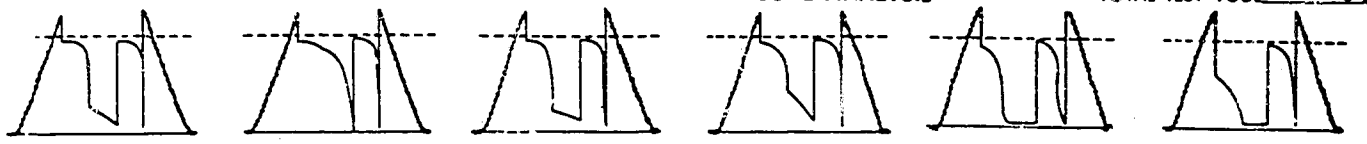
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

		ID	OD	LENGTH	
	4S LANDING SUB				
	~~XXXXXXXX~~ C.O. SUB			1.00	
	4S TOOL OR P.O. SUB			1.00	
	~~XXXX~~ REC. WELL			4.00	
	SHUT IN TOOL		4¾	5.20	
	R.F.S. No. 12	2¼	4¾	3.35	
	R.F.S. No. (DRAINED)	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.15	
	JARS 90' above tool	1	4¾	7.80	
	RECORDER No. 3972	2¼	4¾	5.00	DEPTH 4093
	RECORDER No.	2¼	4¾		DEPTH
	SAFETY JOINT	2 11/16	4¾	1.75	
	BY PASS SUB	1 5/32	4¾		
1.	PACKER DEPTH 4104 — PACKER	1 OR ⅞		6.00	
2.	PACKER DEPTH 4110 — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 47.25
				1.00	
	ANCHOR—SPECIFY	2½			
	PERFS			15.00	
	BLANK OFF OR BY PASS SUB.	1 5/32	4¾		
	RECORDER No. 3689	2¼	4¾	5.00	DEPTH 4127
3.	PACKER DEPTH — PACKER	1 OR ⅞			TOTAL INTERVAL 42.00
4.	PACKER DEPTH — PACKER	1 OR ⅞			
	ANCHOR—SPECIFY	2½			
	RECORDER No	2¼	4¾		DEPTH
	PERFS			18.00	
	TOTAL DEPTH 4152 — BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE
					TOTAL TEST TOOL 89.25

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 DECKMG ET AL TATE J-65 DST. NO. 1

LOCATION J-65 64-30N 12S-15W REC. NO. 3972 DEPTH 4093.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
INITIAL FLOW PRESSURE	1	0.0	258.0
	2	5.0	380.8
	3	10.0	460.9
	4	15.0	536.3
	5	20.0	605.1
FINAL FLOW PRESSURE	6	22.0	621.9
START FINAL SHUT-IN	7	22.0	621.9
	8	23.0	1129.0
	9	27.0	1176.7
	10	32.0	1197.9
	11	37.0	1209.4
	12	42.0	1216.4
	13	47.0	1220.6
	14	52.0	1225.3
FINAL SHUT-IN PRESSURE	15	57.0	1229.7

WELL NAME CANDEL DECKING ET AL TATE J-65 DST. NO. 1

LOCATION J-65 64-30N 125-15W REC. NO. 3972 DEPTH 4093.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	1257.4
NO. OF POINTS CONSIDERED IN BUILD-UP	8
NO. OF POINTS USED IN EXTRAPOLATION	7
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI).....	0.49
EFFECTIVE PRODUCING TIME (MIN)	43.0

WELL NAME CANDIL DECKNS ET AL TATE J-65 DST. NO. 1

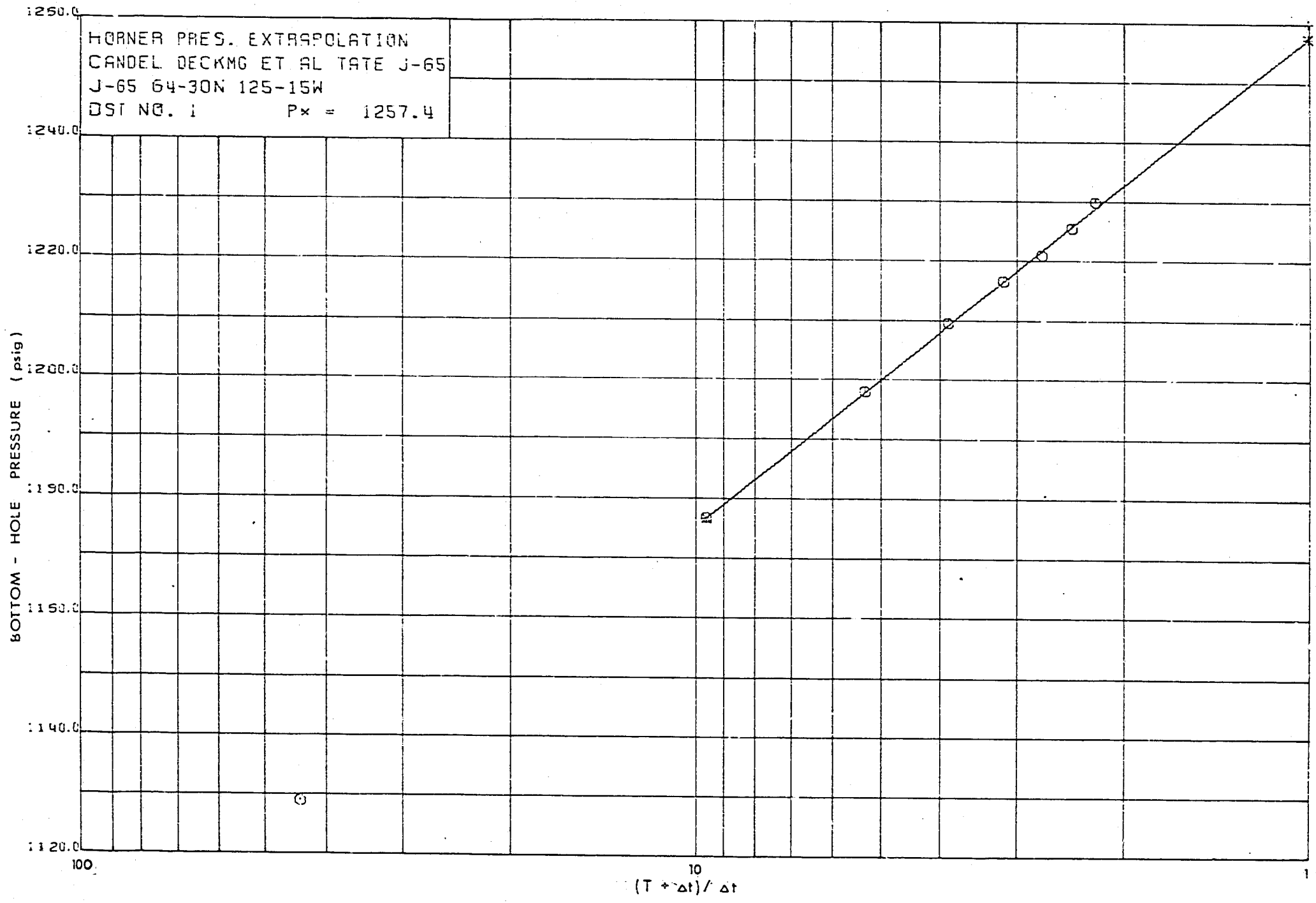
LOCATION J-65 [illegible] J-15W AEC. NO. 3972 DEPTH 4093.

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

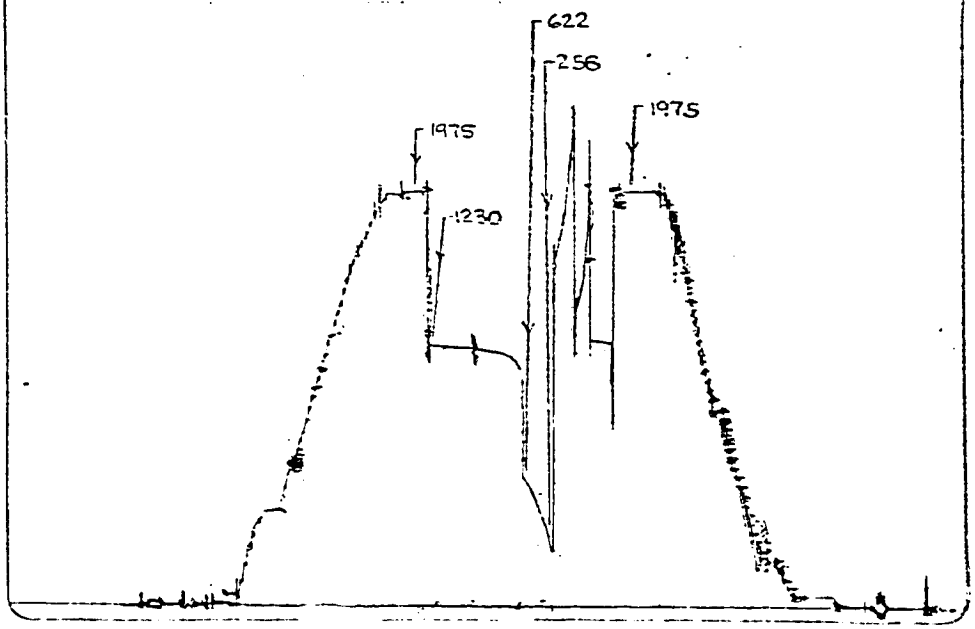
POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
PORTION OF BUILD-UP CURVE NOT USED IN EXTRAPOLATION					
8	5.0	1129.0			44.00
POINTS USED IN EXTRAPOLATION					
9	[illegible].0	1176.7	1176.6	-0.0	9.60
10	10.0	1197.9	1197.9	-0.0	5.30
11	15.0	1209.4	1209.1	-0.3	3.67
12	20.0	1216.4	1216.4	-0.0	3.15
13	25.0	1220.8	1221.7	0.9	2.72
14	30.0	1225.2	1225.6	0.4	2.43
15	35.0	1229.7	1229.[illegible]	-0.[illegible]	2.23

ASSUMPTIONS AND LIMITATIONS

THE [illegible]ED 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.

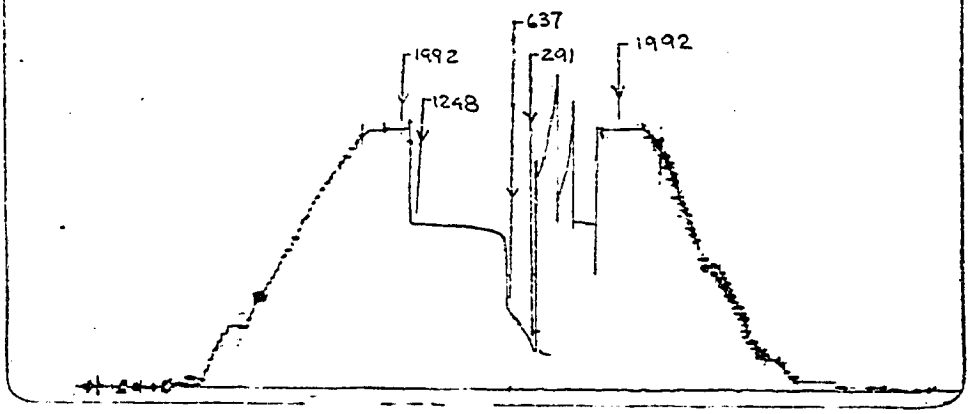

HORNER PRES. EXTRAPOLATION
CANDEL DECKMG ET AL TATE J-65
J-65 64-30N 125-15W
DST NO. 1 Px = 1257.4
1250.0
1240.0
1220.0
1200.0
1190.0
1160.0
1140.0
1120.0
BOTTOM - HOLE PRESSURE (psig)
100
10
1
(T + Δt)/ Δt

CANDEL DECKMG ET AL TATE J-65
INTERVAL 4110 - 4152
DST NO. 1 REC. 3972



DST RECORDER CHARTS

CANDEL DECKMG ET AL TATE J-65
INTERVAL 4110 - 4152
DST NO. 1 REC. 3689





DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG ET AL TATE

J-65

TEST NO. 2

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKMG ET AL TATE — Test No. 2

Well Number J-65 — Zone Tested HUME

Company CANADIAN DELHI OIL LTD. — Interval 5992.0 TO 6030.0

Comp. Rep. D. NELSON — Tester M. MOSCRIP — Date DECEMBER 28,1971

Type of Test DUAL BOTTOM HOLE — RFS Tool No. 12

Preflow 5.0 mins. ISI 26.0 mins. Flow 92.0 mins. FSI 86.0 mins.

	IN REC No. 3690 5750 RANGE 12 HR. CLOCK	OUT REC No. 3689 5700 RANGE 12 HR. CLOCK	REC. No. RANGE HR. CLOCK
DEPTH	5975.0	6014.0	
Initial Hydro Mud Press	2958.1	2985.0	
Initial Shut-In Press	2075.1	2096.4	
Initial Flow Press	279.7	325.0	
Final Flow Press	929.0	962.1	
Final Shut-In Press	2041.9	2052.1	
Final Hydro Mud Press	2949.4	2976.4	

Mud Drop NIL — Fluid Loss 7.60 — Mud Weight 9.5

Viscosity 54.0 — Temperature F 168.0 — Net Pay Tested 25.0

Top Packer Depth 5986.0 — Bottom Packer Depth 5992.0 — Total Depth 6030.0

Drill P. . Size 4.5 XH — Wt 2.750 — Drill Collar I.D. 537.9

Surface Choke Size CLOSED — Bottom Choke Size 0.5 — Main Hole Size 8.750

Anchor Size 4.75 — Rat Hole Size — Feet of Rat Hole

Cushion Amount — Type — Rubber Size 7.5 X 2

Fluid Recovery Total Feet 2038.0

Recovered 550 Feet of OIL FLECKED GASSY MUD CUT WATER

Recovered 1488 Feet of GAS CUT SLIGHTLY SALT WATER AT 19300 PPM

Recovered Feet of

Recovered Feet of

Recovered Feet of

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMY DEVELOPMENT BRANCH

Gas Recovery — How Measured — Rise: 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 INITIAL PUFF. FAIR AIR BLOW INCREASING SLIGHTLY THEN DECREASING SLIGHTLY TO END OF TEST.

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

BJ BORG WARNER

TESTING REPORT

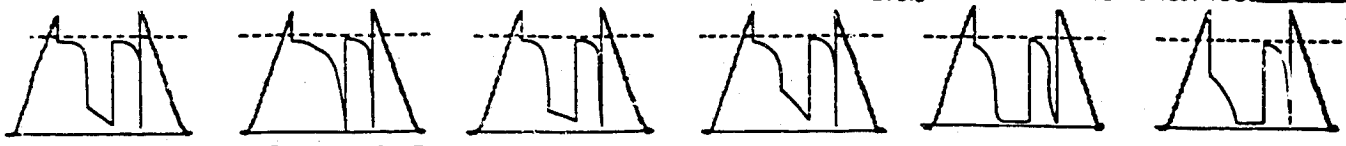
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

	ID	OD	LENGTH	
4S LANDING SUB COS			2.00	
4S CHAMBER JARS			7.75	
4S TOOL OR P.O. SUB			5.00	
CO SUB				
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 12	2¼	4¾	3.30	
R.F.S. No.	2¼	4¾		
HYDRAULIC TOOL		4¾	7.20	
JARS	1	4¾		
RECORDER No. 3690	2¼	4¾	5.00	DEPTH 5975
RECORDER No.	2¼	4¾		DEPTH
SAFETY JOINT	2 11/16	4¾	1.75	
BY PASS SUB	1 5/32	4¾		
1. PACKER DEPTH 5986 — PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 5992 — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 12.20
ANCHOR—SPECIFY	2½		1.00	
PERF			20.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾		
RECORDER No. 3689	2¼	4¾	5.00	DEPTH 6014
3. PACKER DEPTH — PACKER	1 OR ⅞			TOTAL INTERVAL
4. PACKER DEPTH — PACKER	1 OR ⅞			
ANCHOR—SPECIFY PERF	2½		10.00	
RECORDER No	2¼	4¾		DEPTH
TOTAL DEPTH 6030 — BULLNOSE	2¾	4¾	2.50	TOTAL TAIL PIPE 38.50
				TOTAL TEST TOOL 80.75

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 DECKNG ET AL TATE DST. NO. 2

LOCATION J-65 REC. NO. 3690 DEPTH 5975.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	134.0	2958.1
INITIAL HYDRO PRESSURE	3	163.0	2958.1
INITIAL PREFLOW PRESSURE	4	163.0	172.5
FINAL PREFLOW PRESSURE	5	168.0	197.1
START INITIAL SHUT-IN	6	168.0	197.1
	7	169.0	1924.1
	8	173.0	2031.8
	9	178.0	2063.6
	10	183.0	2070.8
	11	188.0	2073.7
INITIAL SHUT-IN PRESSURE	12	194.0	2075.1
START FLOW PERIOD	13	194.0	2075.1
INITIAL FLOW PRESSURE	14	195.0	279.7
	15	199.0	305.8
	16	204.0	343.5
	17	209.0	384.1
	18	214.0	426.1
	19	219.0	466.7
	20	224.0	504.3
	21	229.0	540.6
	22	234.0	578.3
	23	239.0	615.9
	24	244.0	650.7
	25	249.0	685.5
	26	254.0	720.3
	27	259.0	753.6
	28	264.0	787.0
	29	269.0	820.3
	30	274.0	852.2
	31	279.0	884.1
	32	284.0	914.5
FINAL FLOW PRESSURE	33	286.0	929.0
START FINAL SHUT-IN	34	286.0	929.0

WELL NAME CANDEL DECKNG ET AL TATE DST. NO. 2

LOCATION J-65 REC. NO. 3690 DEPTH 5975.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PS.G
	35	287.0	1841.0
	36	291.0	2014.5
	37	296.0	2028.9
	38	301.0	2033.2
	39	306.0	2034.7
	40	311.0	2036.1
	41	316.0	2037.6
	42	321.0	2039.0
	43	326.0	2039.0
	44	331.0	2039.0
	45	336.0	2039.0
	46	341.0	2040.5
	47	346.0	2040.5
	48	351.0	2040.5
	49	356.0	2041.9
	50	361.0	2041.9
	51	366.0	2041.9
FINAL SHUT-IN PRESSURE	52	372.0	2041.9
	53	372.0	2041.9
FINAL HYDRO PRESSURE	54	373.0	2949.4
	55	388.0	2949.4
OUT OF HOLE	56	553.0	0.0

WELL NAME CANDEL DECKMG ET AL TATE DST. NO. 2

LOCATION J-65 REC. NO. 3690 DEPTH 5975.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2097.0
NO. OF POINTS CONSIDERED IN BUILD-UP	6
NO. OF POINTS USED IN EXTRAPOLATION	6
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	3.24
EFFECTIVE PRODUCING TIME (MIN)	5.0

WELL NAME CANDEL DECKMG ET AL TATE DST. NO. 2

LOCATION J-65 REC. NO. 3690 DEPTH 5975.

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					
7	1.0	1924.1	1925.3	1.2	6.00
8	5.0	2031.8	2030.6	-1.2	2.00
9	10.0	2063.6	2058.1	-5.5	1.50
10	15.0	2070.8	2069.4	-1.4	1.33
11	20.0	2073.7	2075.6	1.9	1.25
12	26.0	2075.1	2080.1	5.0	1.19

WELL NAME CANDEL DECKMG ET AL TATE DST. NO. 2

LOCATION J-65 REC. NO. 3690 DEPTH 5975.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2046.1
NO. OF POINTS CONSIDERED IN BUILD-UP	18
NO. OF POINTS USED IN EXTRAPOLATION	16
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.54
EFFECTIVE PRODUCING TIME (MIN)	97.0
(B) IN SITU CAPACITY (KH - MD FT)	1623.12
SLOPE OF BUILD-UP CURVE (PSI/CYCLE)	17.66
PRODUCING RATE (BBL/DAY)	375.38
FLUID VISCOSITY (CP)	0.470
FORMATION VOLUME FACTOR (RES BBL/ST BBL)	1.000
(C) EFFECTIVE PERMEABILITY (MD)	64.92
FORMATION THICKNESS	25.00
(D) PRODUCTIVITY INDEX (BBL/DAY/PSI)	0.34
FLOWING PRESSURE (PSIG)	929.0
(E) APPROXIMATE DRAINAGE RADIUS (FT)	658.4
TOTAL FLOWING TIME (MIN)	97.0
(F) ESTIMATED DAMAGE RATIO	10.12
RESERVOIR POROSITY (PERCENT)	6.00
TOTAL COMPRESSIBILITY (VOL/VOL/PSI X 10-6)	9.00
WELL-BORE RADIUS (IN)	4.375
CALCULATED SKIN FACTOR	65.72
(G) PRODUCTION WITH DAMAGE REMOVED (BBL/DAY)	3797.7

WELL NAME CANDEL DECKMG ET AL TATE DST. NO. 2

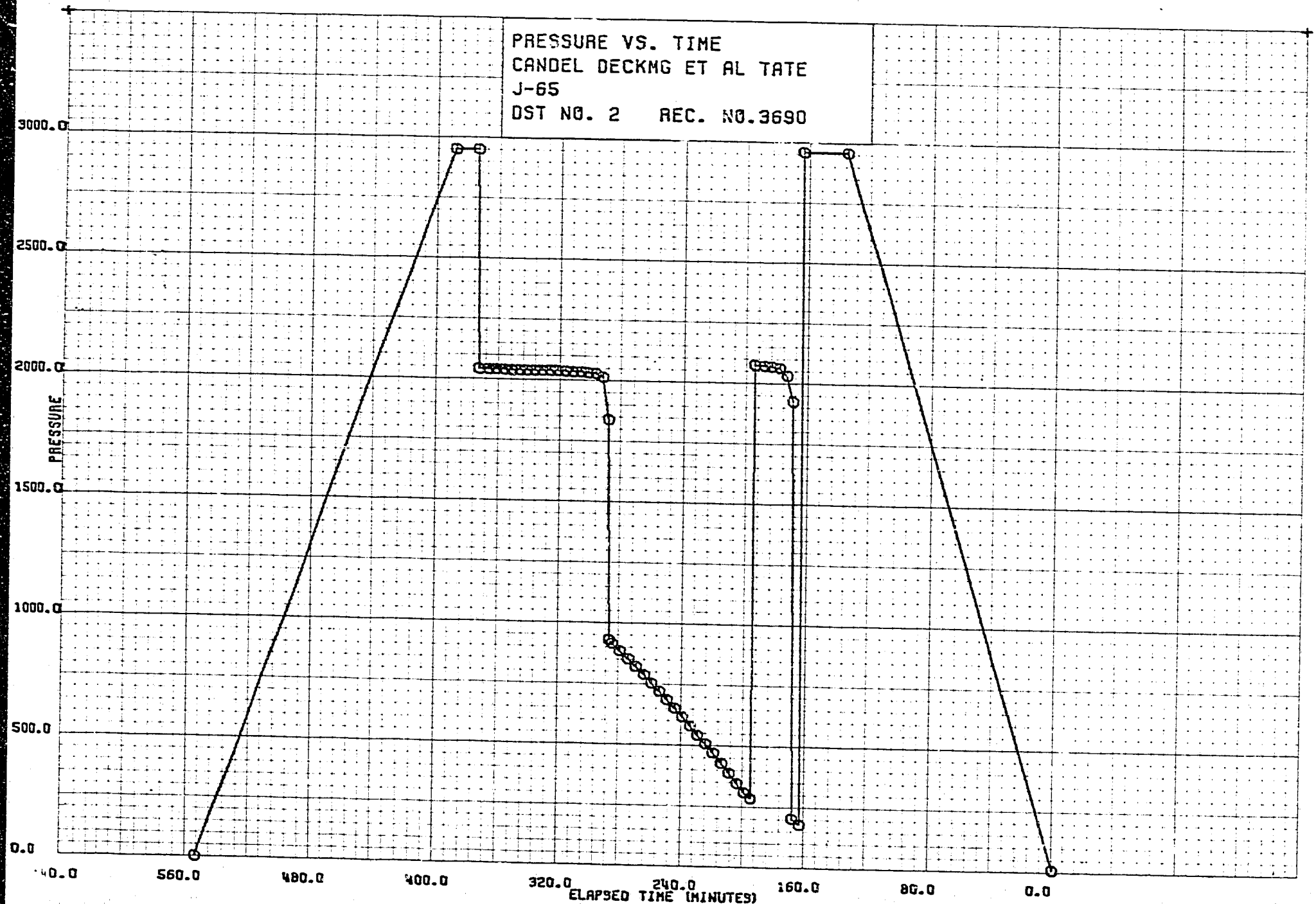
LOCATION J-65 REC. NO. 3690 DEPTH 5975.

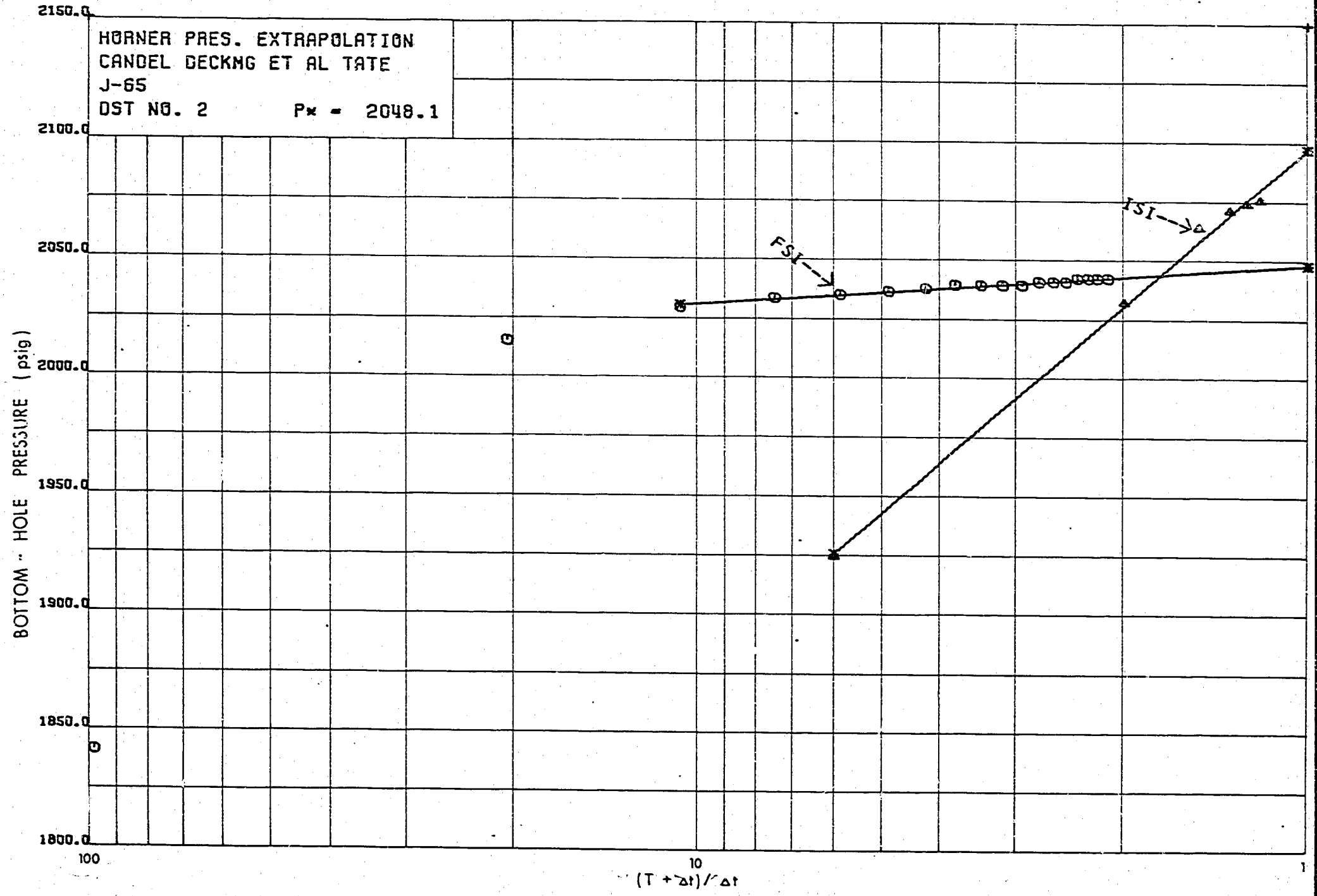
DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

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					
35	1.0	1841.0			98.00
36	5.0	2014.5			20.40
POINTS USED IN EXTRAPOLATION					
37	10.0	2028.9	2029.9	1.0	10.70
38	15.0	2033.2	2032.7	-0.5	7.47
39	20.0	2034.7	2034.6	-0.1	5.85
40	25.0	2036.1	2036.0	-0.2	4.88
41	30.0	2037.6	2037.0	-0.5	4.23
42	35.0	2039.0	2037.9	-1.1	3.77
43	40.0	2039.0	2038.7	-0.3	3.42
44	45.0	2039.0	2039.3	0.3	3.16
45	50.0	2039.0	2039.8	0.8	2.94
46	55.0	2040.5	2040.3	-0.1	2.76
47	60.0	2040.5	2040.7	0.3	2.62
48	65.0	2040.5	2041.1	0.6	2.49
49	70.0	2041.9	2041.4	-0.5	2.39
50	75.0	2041.9	2041.7	-0.2	2.29
51	80.0	2041.9	2042.0	0.1	2.21
52	86.0	2041.9	2042.3	0.4	2.13

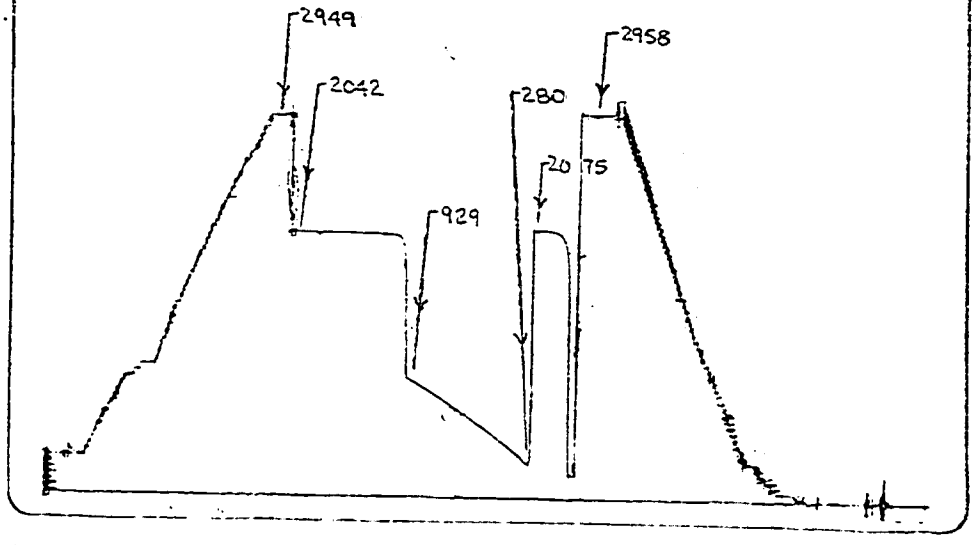
ASSUMPTIONS AND LIMITATIONS

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 DECKMG ET AL TATE
J-65
DST NO. 2 REC. NO.3690
3000.0
2500.0
2000.0
1500.0
1000.0
500.0
0.0
PRESSURE
640.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

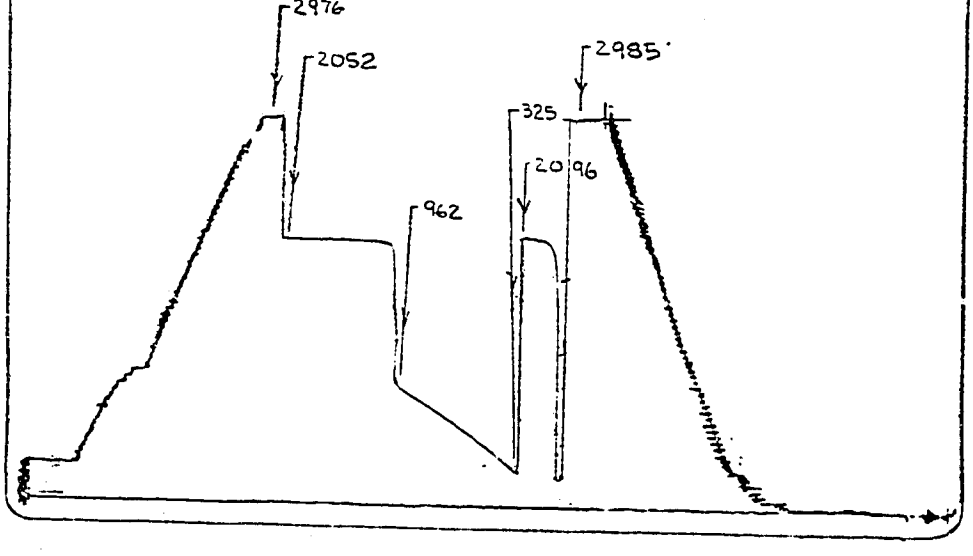

HORNER PRES. EXTRAPOLATION
CANDEL DECKNG ET AL TATE
J-65
DST NO. 2 Px = 2048.1
2150.0
2100.0
2050.0
2000.0
1950.0
1900.0
1850.0
1800.0
BOTTOM - HOLE PRESSURE (psig)
FSI
ISI
100
10
1
(T + Δt)/Δt

CANDEL DECKMG ET AL TATE J-65
INTERVAL 5992 - 6030
DST NO. 2 REC. 3690



DST RECORDER CHARTS

CANDEL DECKMG ET AL TATE J-65
INTERVAL 5992 - 6030
DST NO. 2 REC. NO. 3689



BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG ET .L TATE

J-65

TEST NO. 3

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANCEL DECKMG ET AL TATE 65 — Test No. 3

Well Number J-65 — Zone Tested BEAR ROCK

Company CANADIAN DELHI OIL LTD. — Interval 6586.0 TO 6620.0

Comp. Rep D. NELSON — Tester M. MOSCRIP — Date JANUARY 2,1972

Type of Test DUAL BOTTOM HOLE — RFS Tool No. 108

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

	IN REC. No. 3689 5700 RANGE 12 HR. CLOCK	OUT REC. No. 3690 5750 RANGE 12 HR. CLOCK	REC. No. RANGE HR. CLOCK
DEPTH	6568.0	6598.0	
Initial Hydro Mud Press	3212.9	3225.8	
Initial Shut-In Press	1970.4	1988.1	
Initial Flow Press			
Final Flow Press			
Final Shut-In Press	1950.7	1972.1	
Final Hydro Mud Press	3214.3	3230.1	

Mud Drop NIL

Viscosity 58.0

Top Packer Depth 6580.0

Drill Pipe Size 4.5 XH

Surface Choke Size CLOSED

Anchor Size 4.75

Cushion Amount

Fluid Loss 8.60

Temperature °F

Bottom Packer Depth 6586.0

Wt.

Drill Collar I.D. 2.750

Bottom Choke Size 0.5

Rat Hole Size

Type

Mud Weight 9.4

Net Pay Tested 20.0

Total Depth 6620.0

Ft. Run 537.9

Main Hole Size 8.750

Feet of Rat Hole

Rubber Size 7.5 X 2

Fluid Recovery Total Feet 50.0

Recovered 50 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: WEAK INITIAL PUFF DYING IN 7 MINUTES.

MISRUN - NO FLOW PERIOD.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BR.

A Core Lab Gas Cont. No.

Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

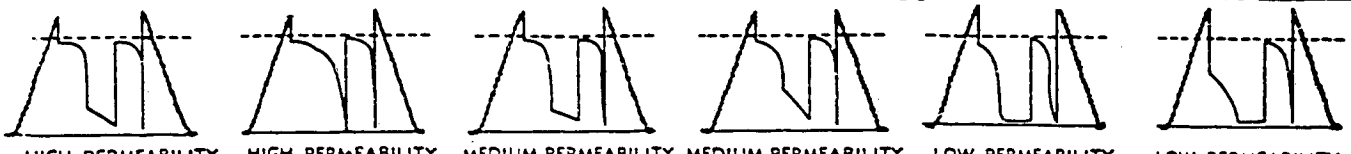
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

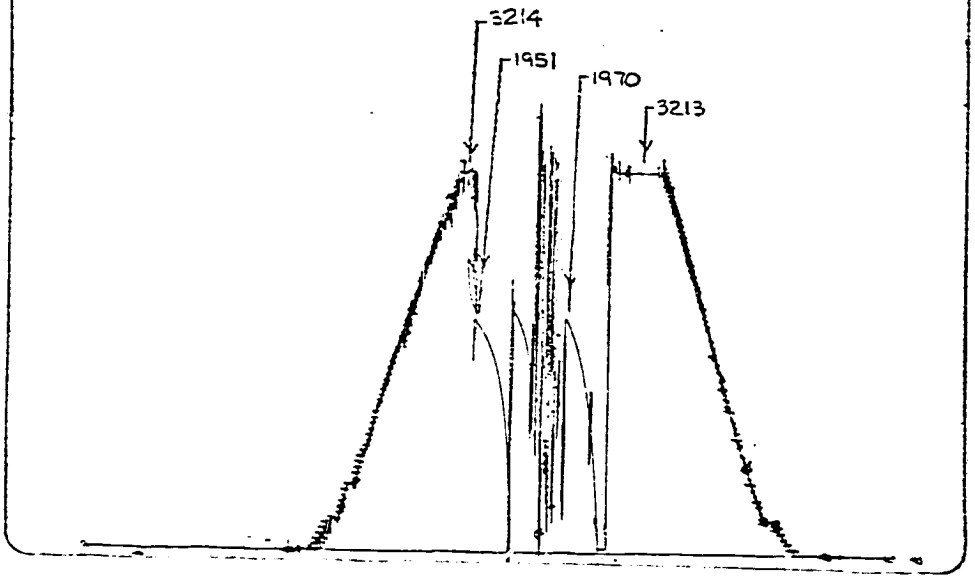
		ID	OD	LENGTH	
	4S LANDING SUB JARS			7.75	
	4S CHAMBER COS			1.00	
	4S TOOL OR P.O. SUB			5.00	
	CO SUB				
	SHUT IN TOOL		4¾	5.20	
	R.F.S. No.	2¼	4¾	5.30	
	R.F.S. No.	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.20	
	JARS	1	4¾		
	RECORDER No. 3689	2¼	4¾	5.00	DEPTH 6568
	RECORDER No.	2¼	4¾		DEPTH
	SAFETY JOINT	2 11/16	4¾	1.75	
	BY PASS SUB	1 5/32	4¾		
1. PACKER DEPTH 6580	PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 6586	PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 47.20
	ANCHOR—SPECIFY	2½		1.00	
	PERF			10.00	
	BLANK OFF OR BY PASS SUB	1 5/32	4¾		
	RECORDER No. 3690	2¼	4¾	5.00	DEPTH 6598
	PERF			15.00	
3. PACKER DEPTH	PACKER	1 OR ⅞			TOTAL INTERVAL
4. PACKER DEPTH	PACKER	1 OR ⅞			
	ANCHOR—SPECIFY	2½			
	RECORDER No	2¼	4¾		DEPTH
TOTAL DEPTH 6620	BULLNOSE	2¾	4¾	2.50	TOTAL TAIL PIPE 33.50
					TOTAL TEST TOOL 80.70

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



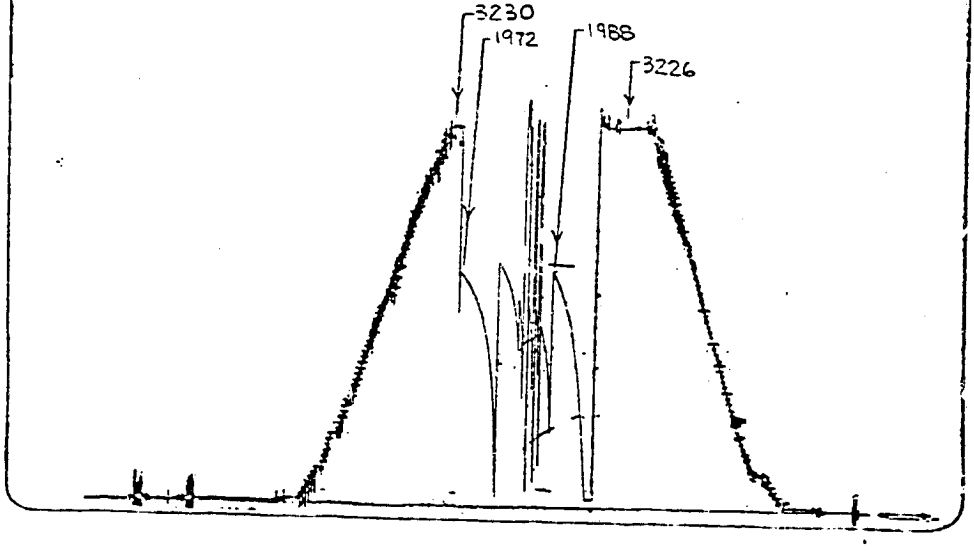
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

CANDEL DECKMG ET AL TATE J-65
INTERVAL 6586 - 6620
DST NO. 3 REC. NO. 3689



DST RECORDER CHARTS

CANDEL DECKMG ET AL TATE J-65
INTERVAL 658b - 6620
DST NO. 3 REC. NO. 3690



BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG ET AL TATE

J-65

TEST NO. 4

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKNG TATE	Test No. 4
Well Number J-65	Zone Tested
Company CANADIAN DELHI OIL LTD.	Interval 7200.0 TO 7285.0
Comp. Rep. SMITH & NELSON Tester BUDVARSON	Date JANUARY 7,1972

Type of Test D.H.S. RFS Tool No. 16

Preflow 15.0 mins. ISI 35.0 mins. Flow 38.0 mins FSI 57.0 mins.

	IN REC. No. 3689 5700 RANGE 12 HR. CLOCK	OUT REC. No. 3690 5750 RANGE 12 HR. CLOCK	REC. No. RANGE HR. CLOCK
DEPTH	7183.0	7254.0	
Initial Hydro Mud Press	3562.9	3600.3	
Initial Shut-In Press	2274.3	2131.0	
Initial Flow Press	274.3	293.0	
Final Flow Press	368.6	382.9	
Final Shut-In Press	1949.3	1982.9	
Final Hydro Mud Press	3562.9	3600.3	

Mud Drop NIL Fluid Loss 8.80 Mud Weight 9.5

Viscosity 70.0 Temperature °F 184.0 Net Pay Tested 10.0

Top Packer Depth 7194.0 Bottom Packer Depth 7200.0 Total Depth 7285.0

Drill Pipe Size 4.5 FH Wt. 16.6 Drill Collar I.D. 2.875 Ft. Run 537.0

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 6.750

Anchor Size 4.75 OD Rat Hole Size Feet of Ra. Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet 900.0

Recovered 900 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: VERY WEAK AIR BLOW DURING PREFLOW - DEAD IN 6 MINS.
VERY WEAK AIR BLOW ON FLOW - DEAD IN 10 MIN.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 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				
~~XXXXXXX~~ C.O. SUB			1.00	
~~XXXXXXX~~ P.O. SUB			1.00	
~~XXXXX~~ REC. WELL			4.00	
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 16	2¼	4¾	3.35	
R.F.S. No.	2¼	4¾		
HYDRAULIC TOOL		4¾	7.15	
JARS JOHNSTON	1	4¾	7.80	
RECORDER No. 3689	2¼	4¾	5.00	DEPTH 7183
RECORDER No.	2¼	4¾		DEPTH
SAFETY JOINT	2 11/16	4¾	1.75	
BY PASS SUB	1 5/32	4¾		
PACKER	1 OR ⅞		6.00	
PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 47.25
ANCHOR—SPECIFY	2½		1.00	
SUB			1.00	
PERFS			10.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾		
RECORDER No.	2¼	4¾		DEPTH
DRILL COLLARS			30.00	
PACKER	1 OR ⅞			TOTAL INTERVAL 85.00
PACKER	1 OR ⅞			
ANCHOR—SPECIFY	2½			
PERFS			10.00	
RECORDER No 3690	2¼	4¾	5.00	DEPTH 7254
PERFS			25.00	
BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE
				TOTAL TEST TOOL 102.00

WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

1. PACKER DEPTH 7194

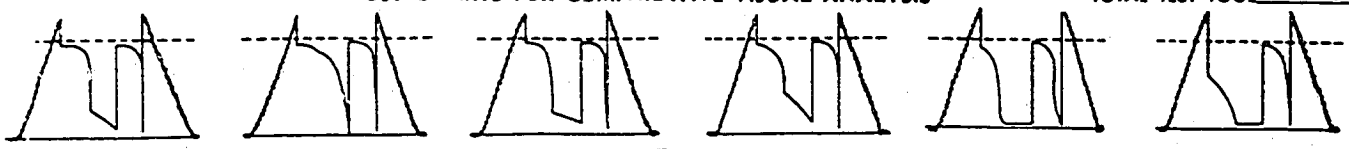
2. PACKER DEPTH 7200

3. PACKER DEPTH

4. PACKER DEPTH

TOTAL DEPTH 7285

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 DECKRG TATE DST. NO. 4

LOCATION J-65 REC. NO. 3689 DEPTH 7183.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	178.0	3562.9
INITIAL HYDRO PRESSURE	3	219.0	3562.9
INITIAL PREFLOW PRESSURE	4	219.0	114.3
	5	224.0	200.0
	6	229.0	242.9
FINAL PREFLOW PRESSURE	7	234.0	277.1
START INITIAL SHUT-IN	8	234.0	277.1
	9	239.0	1885.9
	10	244.0	2040.0
	11	249.0	2124.3
	12	254.0	2178.6
	13	259.0	2217.1
	14	264.0	2247.1
INITIAL SHUT-IN PRESSURE	15	269.0	2274.3
START FLOW PERIOD	16	269.0	2274.3
INITIAL FLOW PRESSURE	17	270.0	274.3
	18	274.0	282.9
	19	279.0	307.1
	20	284.0	315.7
	21	289.0	324.3
	22	294.0	334.3
	23	299.0	345.7
	24	304.0	365.7
FINAL FLOW PRESSURE	25	307.0	368.6
START FINAL SHUT-IN	26	307.0	368.6
	27	312.0	1385.9
	28	317.0	1550.7
	29	322.0	1633.8
	30	327.0	1697.2
	31	332.0	1747.9
	32	337.0	1788.7
	33	342.0	1825.4

WELL NAME CANDEL DECKNG TATE OST. NO. 4

LOCATION J-65 REC. NO. 3689 DEPTH 7183.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
	34	347.0	1857.7
	35	352.0	1897.3
	36	357.0	1915.5
	37	362.0	1939.4
FINAL SHUT-IN PRESSURE	38	364.0	1949.3
RUN OUT OF HOLE	39	364.0	1949.3
FINAL HYDRO PRESSURE	40	365.0	3562.9
	41	379.0	3562.9
OUT OF HOLE	42	538.0	0.0

WELL NAME CANDEL DECKNG TATE DST. NO. 4

LOCATION J-65 REC. NO. 3689 DEPTH 7183.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2438.7
NO. OF POINTS CONSIDERED IN BUILD-UP	7
NO. OF POINTS USED IN EXTRAPOLATION	4
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	1.94
EFFECTIVE PRODUCING TIME (MIN)	15.0

WELL NAME CANDEL DECKNG TATE DST. NO. 4

LOCATION J-55 REC. NO. 3689 DEPTH 7183.

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					
9	5.0	1885.9			4.00
10	10.0	2040.0			2.50
11	15.0	2124.3			2.00
POINTS USED IN EXTRAPOLATION					
12	20.0	2178.6	2177.1	-1.5	1.75
13	25.0	2217.1	2219.0	1.8	1.60
14	30.0	2247.1	2249.1	2.0	1.50
15	35.0	2274.3	2272.0	-2.3	1.43

WELL NAME CANDEL DECKNG TATE DST. NO. 4

LOCATION J-65 REC. NO. 3689 DEPTH 7183.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2283.9
NO. OF POINTS CONSIDERED IN BUILD-UP	12
NO. OF POINTS USED IN EXTRAPOLATION	4
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.36
EFFECTIVE PRODUCING TIME (MIN)	53.0
(B) IN SITU CAPACITY (KH - MD FT)	12.83
SLOPE OF BUILD-UP CURVE (PSI/CYCLE)	1173.55
PRODUCING RATE (BBL/DAY)	257.42
FLUID VISCOSITY (CP)	0.360
FORMATION VOLUME FACTOR (RES BBL/ST BBL)	1.000
(C) EFFECTIVE PERMEABILITY (MD)	1.28
FORMATION THICKNESS	10.00
(D) PRODUCTIVITY INDEX (BBL/DAY/PSI)	0.13
FLOWING PRESSURE (PSIG)	368.6
(E) APPROXIMATE DRAINAGE RADIUS (FT)	83.4
TOTAL FLOWING TIME (MIN)	53.0
(F) ESTIMATED DAMAGE RATIO	0.37
RESERVOIR POROSITY (PERCENT)	5.00
TOTAL COMPRESSIBILITY (VOL/VOL/PSI X 10-6)	9.50
WELL-BORE RADIUS (IN)	4.375
CALCULATED SKIN FACTOR	-3.27

WELL NAME CANDEL DECKAG TATE DST. NO. 4

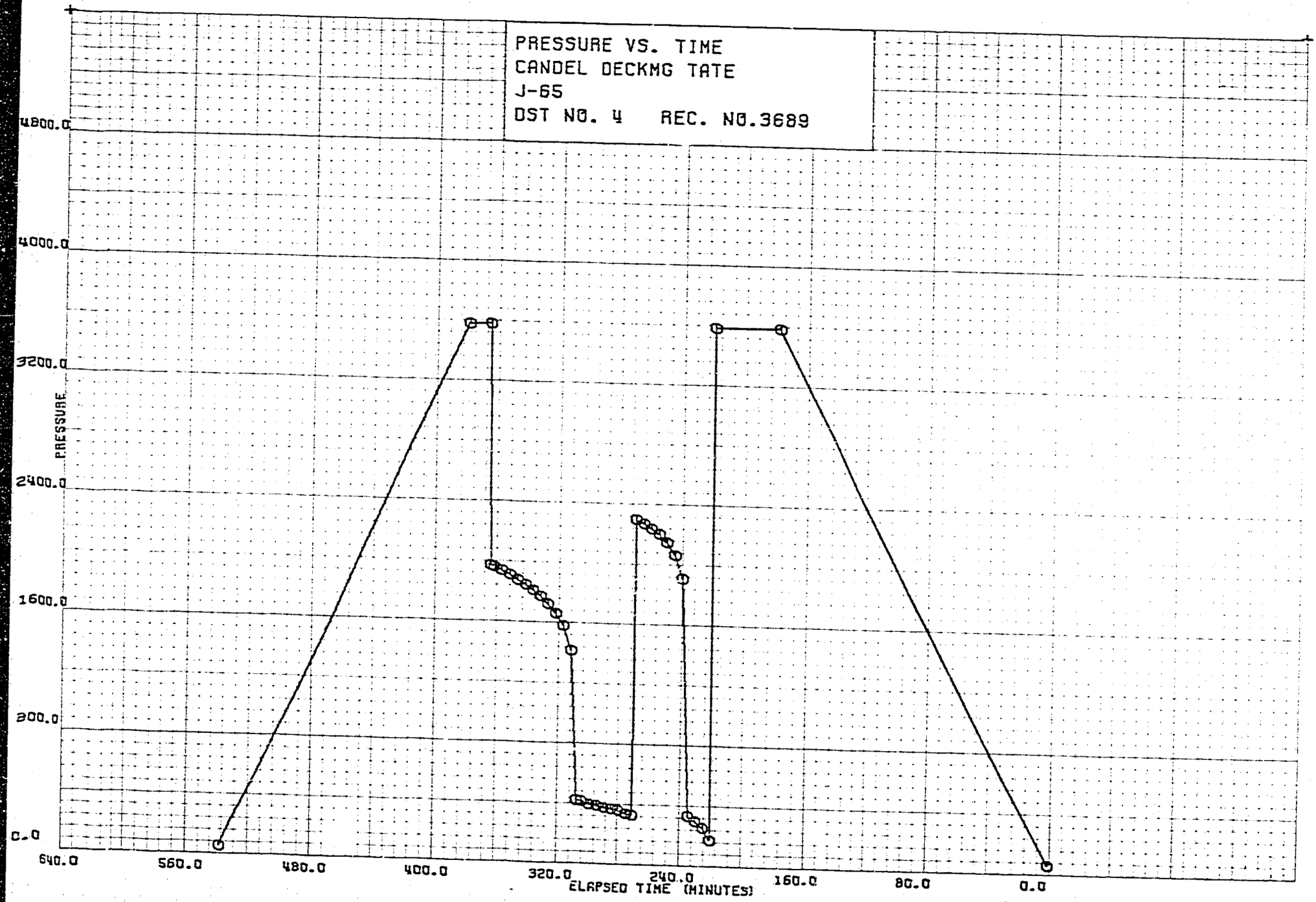
LOCATION J-65 REC. NO. 3689 DEPTH 7183.

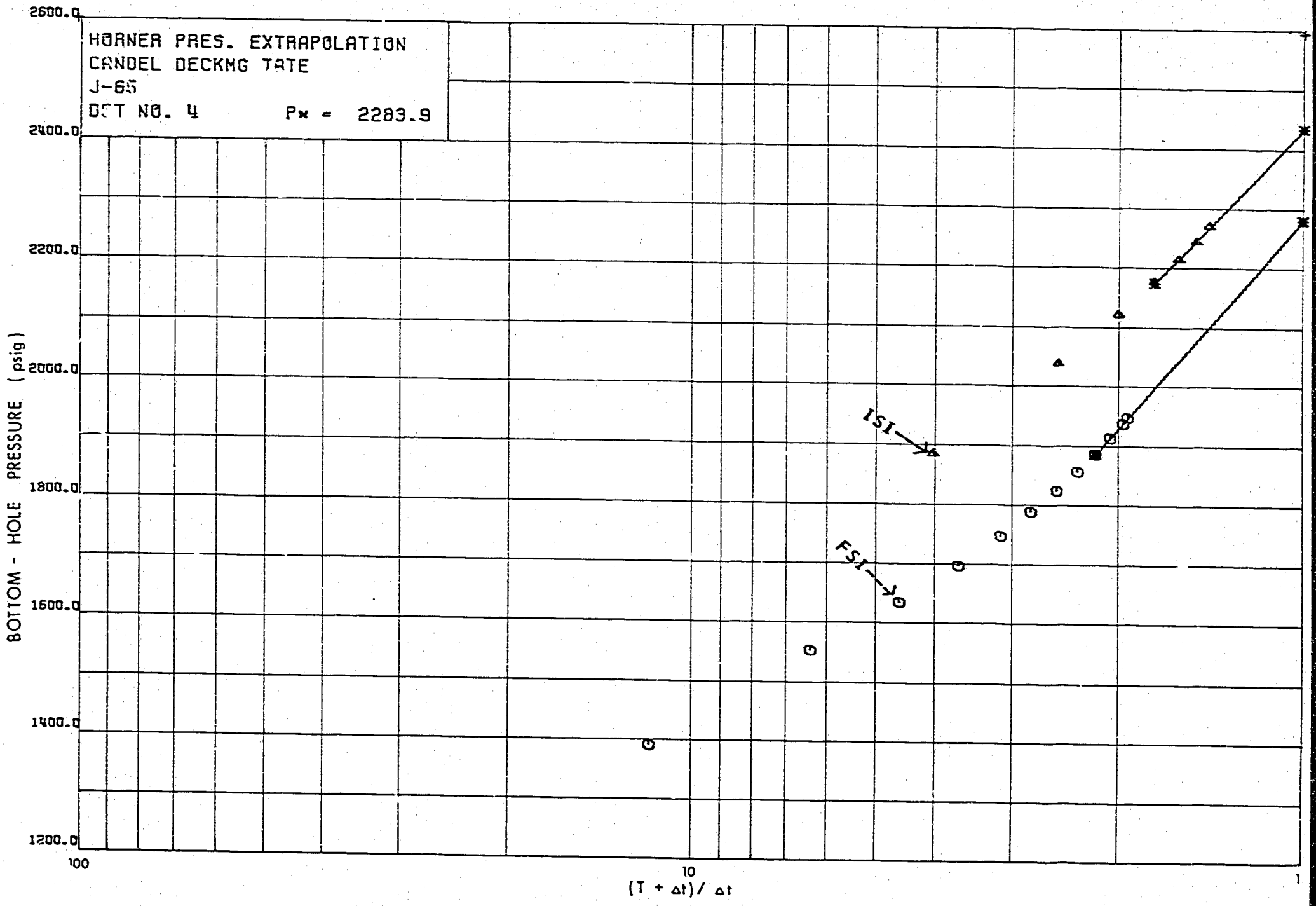
DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

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					
27	5.0	1385.9			11.60
28	10.0	1550.7			6.30
29	15.0	1633.8			4.53
30	20.0	1697.2			3.65
31	25.0	1747.9			3.12
32	30.0	1788.7			2.77
33	35.0	1825.4			2.51
34	40.0	1857.7			2.32
POINTS USED IN EXTRAPOLATION					
35	45.0	1887.3	1887.2	-0.1	2.18
36	50.0	1915.5	1915.5	0.1	2.06
37	55.0	1939.4	1940.0	0.5	1.96
38	57.0	1949.3	1948.8	-0.5	1.93

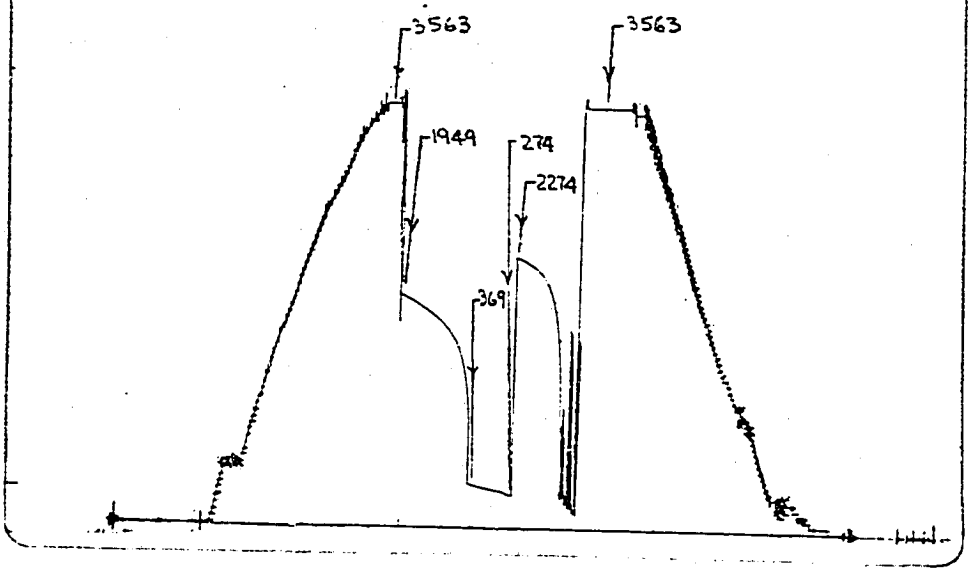
ASSUMPTIONS AND LIMITATIONS

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 DECKMG TATE
J-65
DST NO. 4 REC. NO.3689
4800.0
4000.0
3200.0
2400.0
1600.0
800.0
0.0
PRESSURE
640.0
560.0
480.0
400.0
320.0
240.0
160.0
80.0
0.0
ELAPSED TIME (MINUTES)

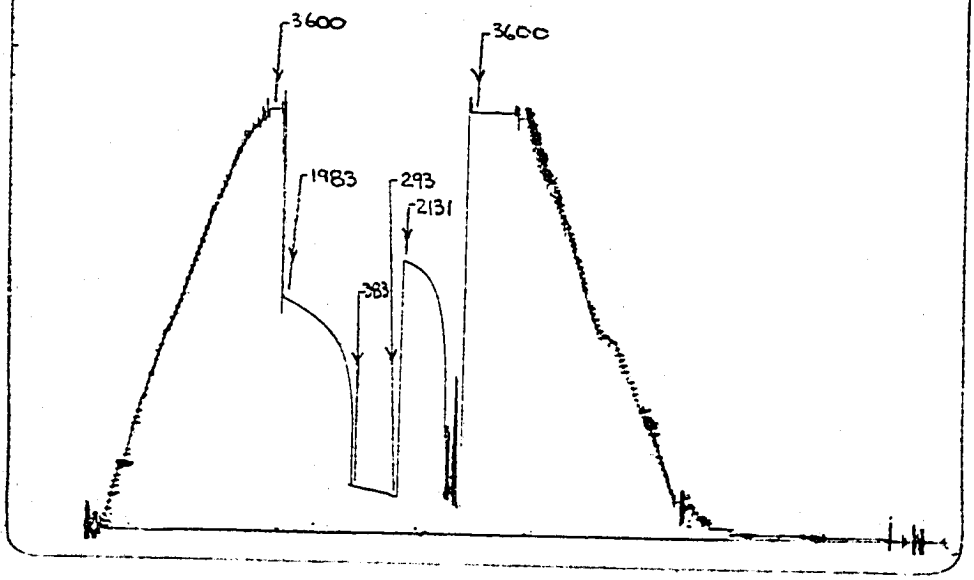

HORNER PRES. EXTRAPOLATION
CANDEL DECKMG TATE
J-65
DST NO. 4 Px = 2283.9
2600.0
2400.0
2200.0
2000.0
1800.0
1600.0
1400.0
1200.0
BOTTOM - HOLE PRESSURE (psig)
ISI
FSI
100
10
1
(T + Δt)/ Δt

CANDEL DECKMG ET AL TATE J-65
INTERVAL 7200 - 7285
DST NO. 4 REC. NO. 3689



DST RECORDER CHARTS

CANDEL DECKMG ET AL TATE J-65
INTERVAL 7200 - 7285
DST NO. 4 REC. NO. 3690





DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG TATE

J-65

TEST NO. 5

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name	CANDEL DECKMG TATE J-65	Test No.	5
Well Number	J-65	Zone Tested	
Company	CANADIAN DELHI OIL LTD.	Interval	7360.0 TO 7250.0
Comp. Rep.	D. NELSON	Tester BUDVARSON	Date JAN. 28,1972

Type of Test DUAL STRADDLE BY PASS R.F.S Tool No. 109 (DRAINED)

Preflow 20.0 mins. ISI 30.0 mins. Flow 30.0 mins. FSI 30.0 mins.

	IN REC. No. 3689	OUT REC. No. 3690	BTM REC. No. 887
	5700 RANGE 12 HR. CLOCK	5750 RANGE 12 HR. CLOCK	7700 RANGE 24 HR. CLOCK
DEPTH	7232.0	7295.0	7376.0
Initial Hydro Mud Press	3542.9	3673.7	3614.9
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	3542.9	3673.7	3614.9

Mud Drop NIL Fluid Loss Mud Weight 9.5

Viscosity 125.0 Temperature °F 200.0 Net Pay Tested

Top Packer Depth 7250.0 Bottom Packer Depth 7360.0 Total Depth 9298.0

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

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 8.750

Anchor Size 4.5 O.D. Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet

Recovered Feet of

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: NO BLOW ON PREFLOW OR FLOW. TOOL PLUGGED. MISRUN.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

A Core Lab Gas Cont. No.

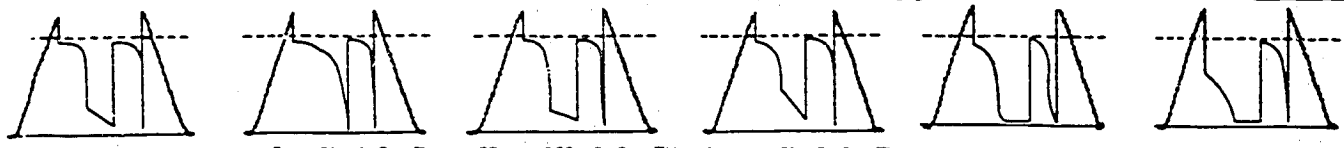
Chem - Geo. Lab Gas Cont. No.

BJ BORG & WARNER

TESTING REPORT

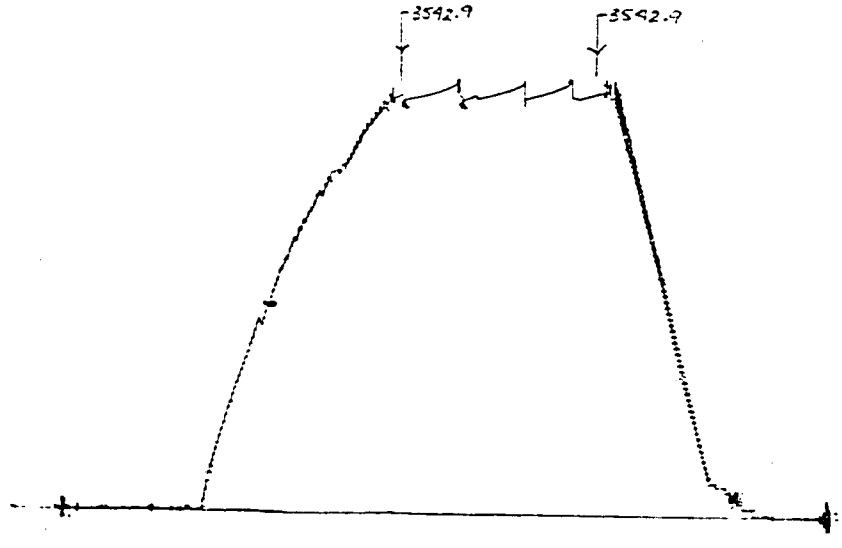
		ID	OD	LENGTH	
	4S LANDING SUB				
	~~XXXXXXX~~ C.O. SUB			1.00	
	4S TOOL OR P.O. SUB			1.00	
	~~XXXX~~ REC. CASE			4.00	
WEIGHT INDICATER READING	SHUT IN TOOL		4¾	5.20	
PRIOR TO SETTING PACKERS	R.F.S. No. 109	2¼	4¾	3.35	
AFTER PULL PACKERS LOOSE	R.F.S. No. (DRAINED)	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.15	
	JARS JOHNSTON K#4390	1	4¾	7.80	91 FT ABOVE TOOL
	RECORDER No. 3689	2¼	4¾	5.00	DEPTH 7232
	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 7244	PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 7250	PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 48.25
	ANCHOR—SPECIFY	2½		1.00	
	PERFS			42.00	
	BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
	RECORDER No. 3690	2¼	4¾	1.00	DEPTH 7295
	K#7317 CO SUB			1.00	
	DRILL COLLARS			61.00	
3. PACKER DEPTH 7360	PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 110.00
				3.00	
4. PACKER DEPTH 7366	PACKER	1 OR ⅞		6.00	
	ANCHOR—SPECIFY	2½			
	PERFS			6.00	
	RECORDER No 887	2¼	4¾	5.00	DEPTH 7376
	K# 10476				
	CO SUB			1.00	
	DRILL PIPE			1914.00	
TOTAL DEPTH 9298	BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 1938.00
					TOTAL TEST TOOL 121.25

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



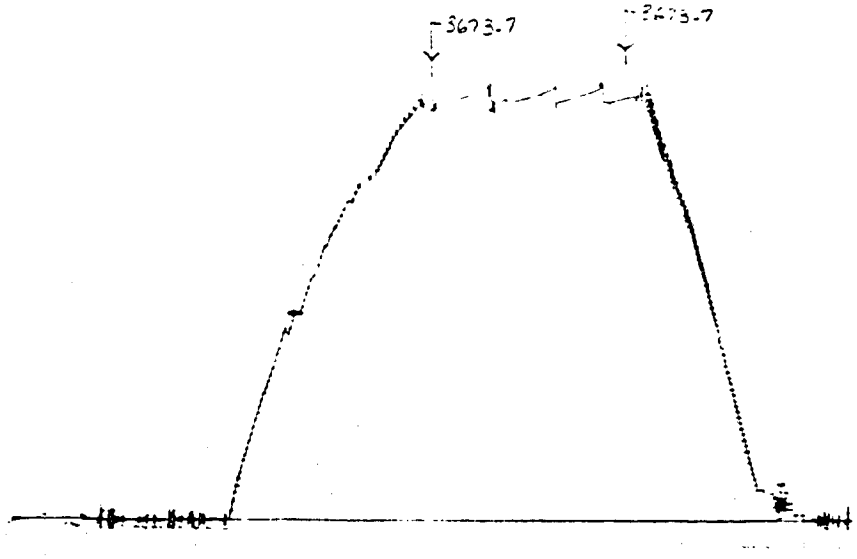
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 5 REC. NO. 3689

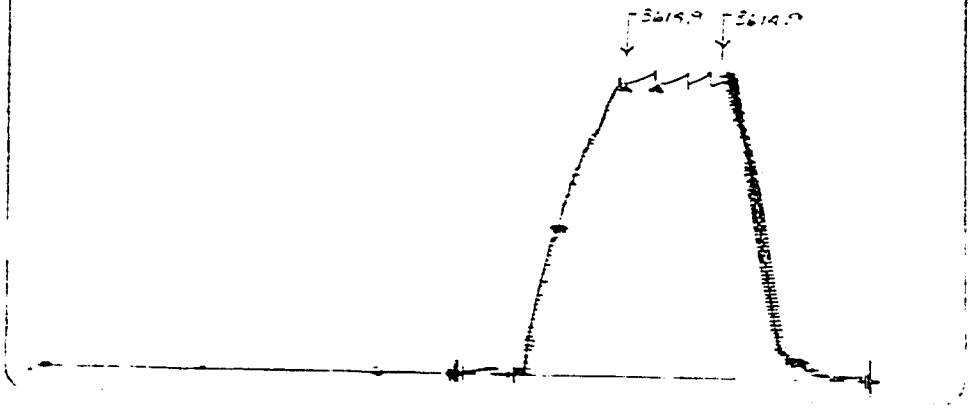


DST RECORDER CHARTS

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 5 REC. NO. 3690



CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 5 REC. NO. 887



DST RECORDER CHARTS

BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG TATE

J-69

TEJT NO. 6

BJ BORG-WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKING TATE J-65	Test No. 6
Well Number J-65	Zone Tested
Company CANADIAN DELHI OIL LTD.	Interval 8610.0 TO 8410.0
Comp. Rep. D. NELSON Tester BUDVARSON	Date JAN. 29, 1972

Type of Test DUAL STRADDLE BY PASS RFS Tool No. 109

Preflow 10.0 mins. ISI 27.0 mins. Flow 34.0 mins. FSI 56.0 mins.

	IN REC. No. 3689 5700 RANGE 12 HR. CLOCK	OUT REC. No. 3690 5750 RANGE 12 HR. CLOCK	ST REC. No. 887 7700 RANGE 24 HR. CLOCK
DEPTH	8392.0	8428.0	8629.0
Initial Hydro Mud Press	4138.7	4166.8	4269.9
Initial Shut-In Press	2682.9	2703.2	2052.0
Initial Flow Press	314.3	328.5	457.7
Final Flow Press	351.4	366.2	810.2
Final Shut-In Press	2438.6	2454.7	2539.9
Final Hydro Mud Press	4138.7	4166.8	4269.9

Mud Drop NIL Fluid Loss Mud Weight 9.5

Viscosity 55.0 Temperature °F 210.0 Net Pay Tested

Top Packer Depth 8410.0 Bottom Packer Depth 8610.0 Total Depth 9290.0

Drill Pipe Size 4.5 F.H. Wt. 16.6 Drill Collar I.D. 2.875 Ft. Run 54.00

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 8.750

Anchor Size 4.75 O.D. Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet 662.0

Recovered 200 Feet of SLIGHTLY H2O CUT DRILLING MUD

Recovered 462 Feet of DRILLING MUD

Recovered Feet of

Recovered Feet of

Recovered Feet of

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

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 8 MINUTES

REMARKS: VERY WEAK AIR BLOW ON PREFLOW. DEAD IN 8 MINUTES. RESET TOOL. DEAD. VERY WEAK AIR BLOW ON FLOW. DEAD IN 5 MINUTES. DEAD ON RESET.

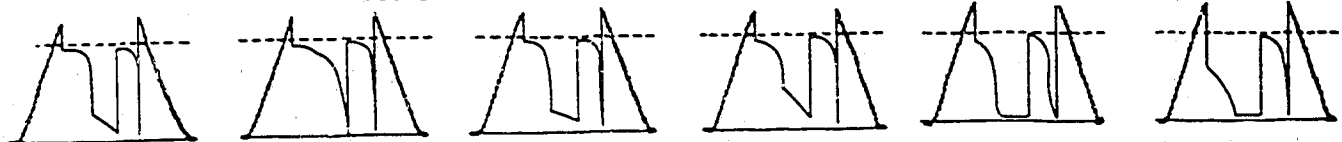
A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

		ID	OD	LENGTH	
	4S LANDING SUB				
	4S CHAMBER CO 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. 109	2¼	4¾	3.35	
AFTER PULL PACKERS LOOSE	R.F.S. No.	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.15	
	JARS JOHNSTON K#4390	1	4¾	7.80	91 FT ABOVE TOOL
	RECORDER No. 3689	2¼	4¾	5.00	DEPTH 8392
	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 8404	PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 8410	PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 48.25
	ANCHOR—SPECIFY	2½		1.00	
	PERFS			15.00	
	BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
	RECORDER No. 3690	2¼	4¾	1.00	DEPTH 8428
	K#7317 CO SUB			1.00	
	DRILL COLLARS			178.00	
3. PACKER DEPTH 8610	PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 200.00
				3.00	
4. PACKER DEPTH 8619	PACKER	1 OR ⅞		6.00	
	ANCHOR—SPECIFY	2½			
	PERFS			9.00	
	RECORDER No 887	2¼	4¾	5.00	DEPTH 8629
	K# 10476				
	CO SUB			1.00	
	DRILL PIPE			661.00	
TOTAL DEPTH 9298	BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 688.00
					TOTAL TEST TOOL 97.25

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 DECKMG TATE J-65 DST. NO. 6

LOCATION J-65 REC. NO. 3689 DEPTH 8392.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	206.0	4138.7
INITIAL HYDRO PRESSURE	3	260.0	4136.7
INITIAL PREFLOW PRESSURE	4	260.0	157.1
	5	265.0	214.3
FINAL PREFLOW PRESSURE	6	270.0	258.6
START INITIAL SHUT-IN	7	270.0	258.6
	8	275.0	2338.6
	9	280.0	2477.1
	10	285.0	2571.4
	11	290.0	2630.0
	12	295.0	2672.9
INITIAL SHUT-IN PRESSURE	13	297.0	2682.9
START FLOW PERIOD	14	297.0	2682.9
INITIAL FLOW PRESSURE	15	298.0	314.3
	16	302.0	304.3
	17	307.0	308.6
	18	312.0	314.3
PULLED TOOLS LOOSE	19	317.0	320.0
	20	318.0	4145.9
RESET TOOLS	21	326.0	4145.9
RESUME FLOW	22	327.0	350.0
FINAL FLOW PRESSURE	23	331.0	351.4
START FINAL SHUT-IN	24	331.0	351.4
	25	336.0	1545.1
	26	341.0	1854.9
	27	346.0	2018.6
	28	351.0	2121.4
	29	356.0	2192.9
	30	361.0	2252.9

WELL NAME CANDEL DECKNG TATE J-65 DST. NO. 6

LOCATION J-65 REC. NO. 3689 DEPTH 8392.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
	31	366.0	2304.3
	32	371.0	2340.0
	33	376.0	2377.1
	34	381.0	2411.4
FINAL SHUT-IN PRESSURE	35	387.0	2438.6
RUN OUT OF HOLE	36	387.0	2438.6
FINAL HYDRO PRESSURE	37	388.0	4138.7
	38	559.0	4138.7
OUT OF HOLE	39	662.0	0.0

WELL NAME CANDEL DECKMG TATE J-65 DST. NO. 6

LOCATION J-65 REC. NO. 3689 DEPTH 8392.

CALCULATIONS FOR LIQUID RECOVERY (FIRST SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2864.8
NO. OF POINTS CONSIDERED IN BUILD-UP	5
NO. OF POINTS USED IN EXTRAPOLATION	4
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI).....	1.20
EFFECTIVE PRODUCING TIME (MIN)	10.0

WELL NAME CANDEL DECKING TATE J-65 DST. NO. 6

LOCATION J-65 REC. NO. 3689 DEPTH 8392.

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					
8	5.0	2338.6			3.00
9	10.0	2477.1			2.00
POINTS USED IN EXTRAPOLATION					
10	15.0	2571.4	2570.9	-0.5	1.67
11	20.0	2630.0	2631.5	1.5	1.50
12	25.0	2672.9	2671.2	-1.6	1.40
13	27.0	.9	2683.5	0.7	1.37

WELL NAME CANDEL DECKMG TATE J-65 DST. NO. 6

LOCATION J-65 REC. NO. 3689 DEPTH 8392.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2731.0
NO. OF POINTS CONSIDERED IN BUILD-UP	11
NO. OF POINTS USED IN EXTRAPOLATION	11
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI).....	5.91
EFFECTIVE PRODUCING TIME (MIN)	44.0

WELL NAME CANDEL DECKMG TATE J-65 DST. NO. 6

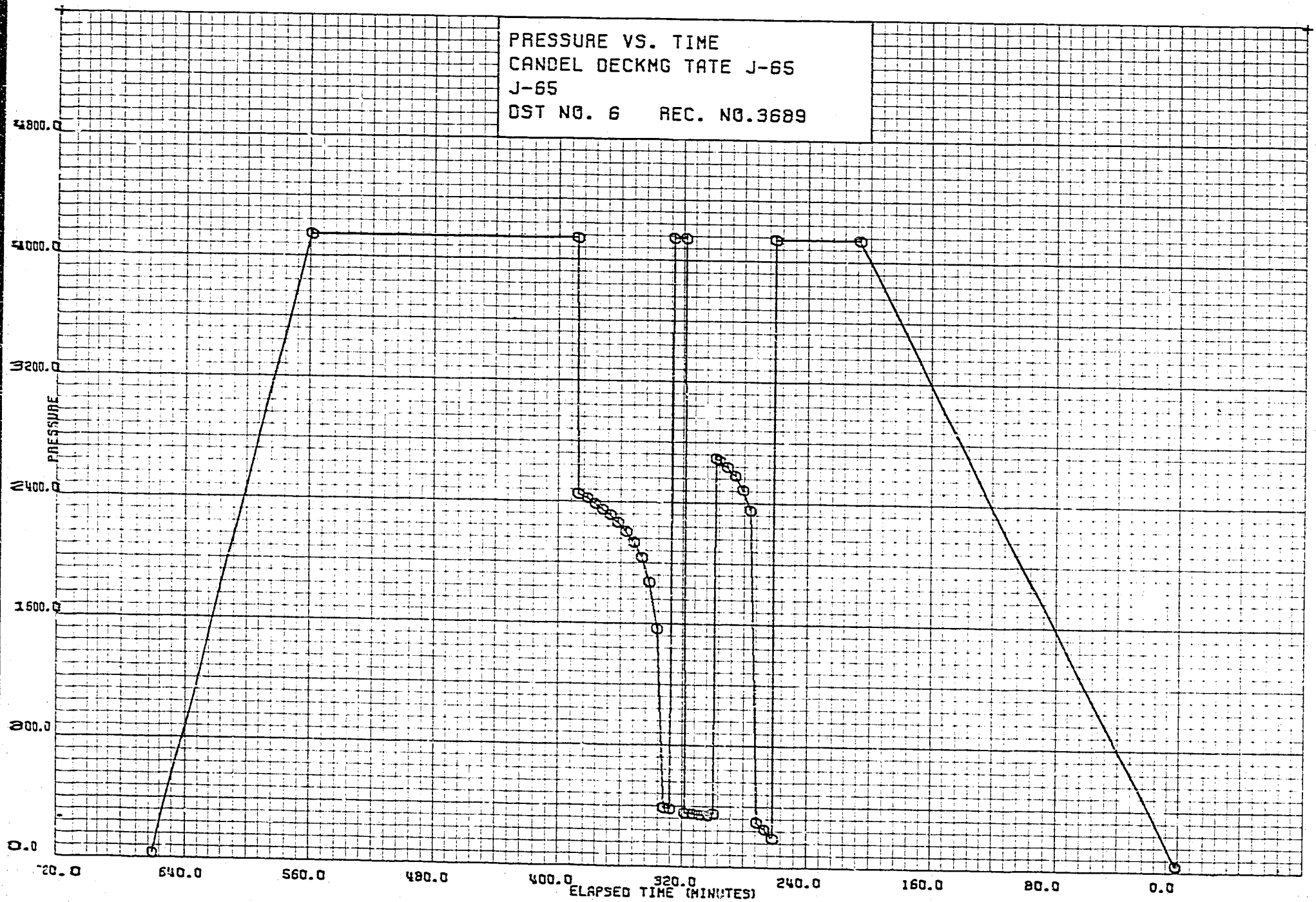
LOCATION J-65 REC. NO. 3689 DEPTH 8392.

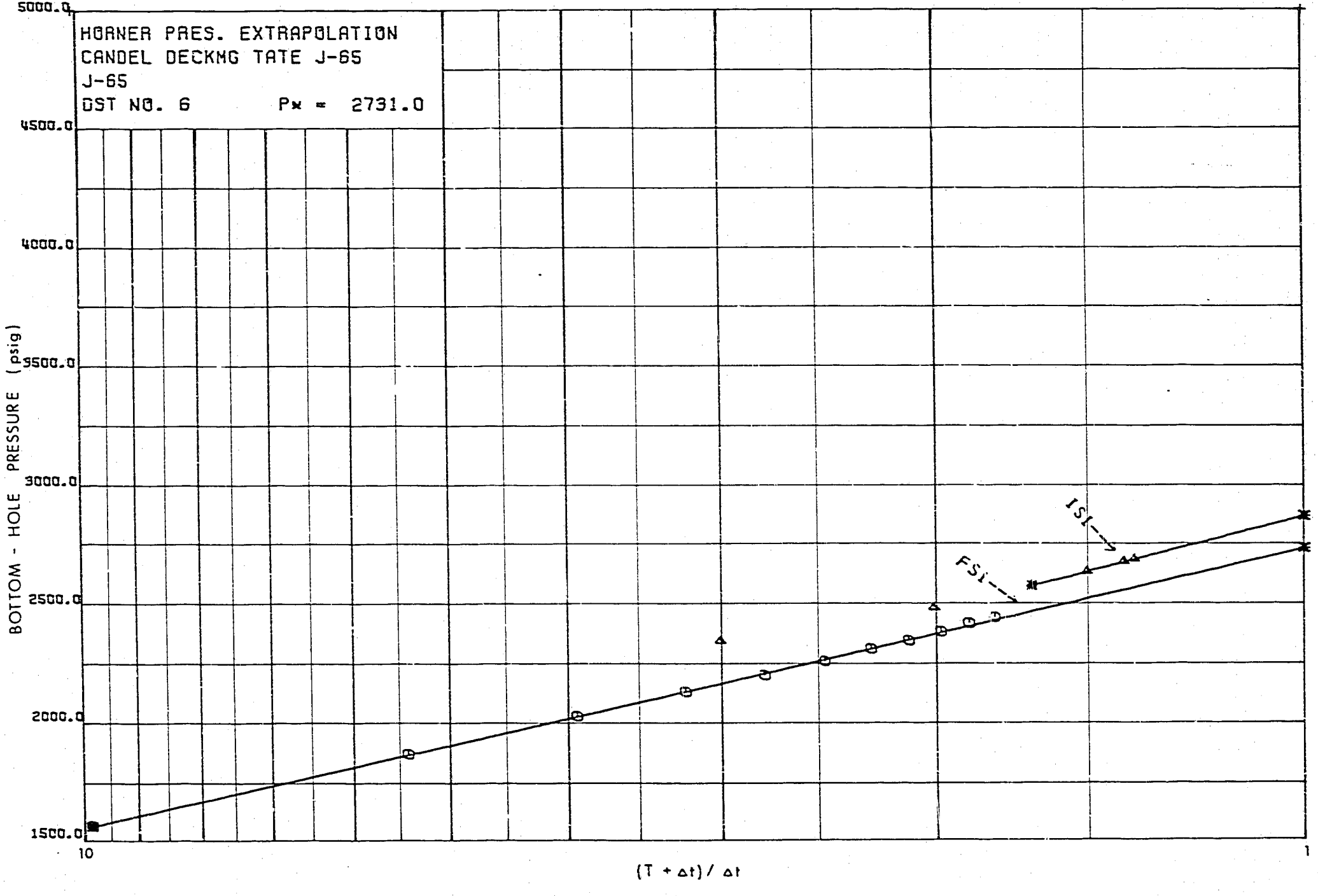
DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

POINT NUMBER	TIME MIN	PRESSURE PSIG	PRESSURE CALC FROM BEST FIT LINE	PRESSURE DIFFERENCE CALC - OBSERVED	T+DELTA(T)/ DELTA(T)
POINTS USED IN EXTRAPOLATION					
25	5.0	1545.1	1541.8	-3.2	9.80
26	10.0	1854.9	1852.3	-2.6	5.40
27	15.0	2018.6	2017.5	-1.1	3.93
28	20.0	2121.4	2125.0	3.5	3.20
29	25.0	2192.9	2202.0	9.2	2.76
30	30.0	2252.9	2260.6	7.7	2.47
31	35.0	2304.3	2306.8	2.5	2.26
32	40.0	2340.0	2344.4	4.4	2.10
33	45.0	2377.1	2375.7	-1.5	1.98
34	50.0	2411.4	2402.1	-9.3	1.88
35	56.0	2438.6	2428.9	-9.7	1.79

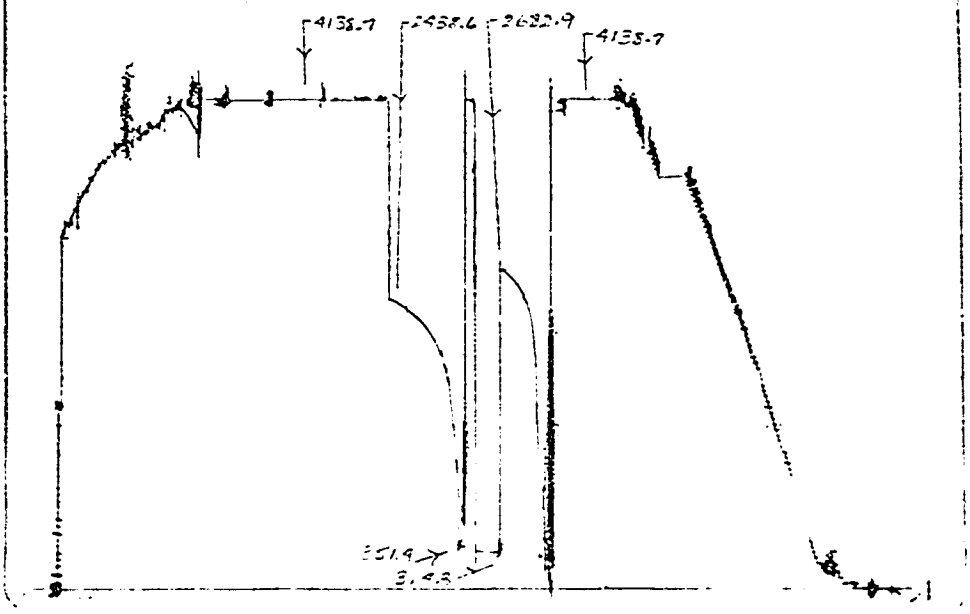
ASSUMPTIONS AND LIMITATIONS

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 DECKMG TATE J-65
J-65
DST NO. 6 REC. NO.3689
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)

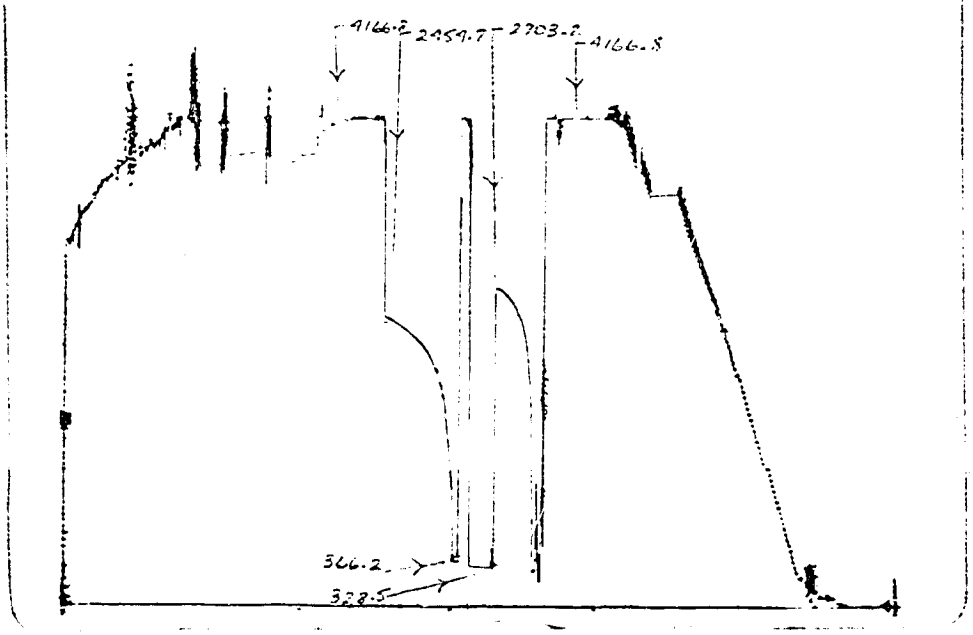

HORNER PRES. EXTRAPOLATION
CANDEL DECKMG TATE J-65
J-65
DST NO. 6 Px = 2731.0
5000.0
4500.0
4000.0
3500.0
3000.0
2500.0
2000.0
1500.0
BOTTOM - HOLE PRESSURE (psig)
10
1
(T + Δt) / Δt
ISI
FSI

CANDEL DECKMG TATE J-65
INTERVAL 8410 - 8610
DST NO. 6 REC. NO. 3689

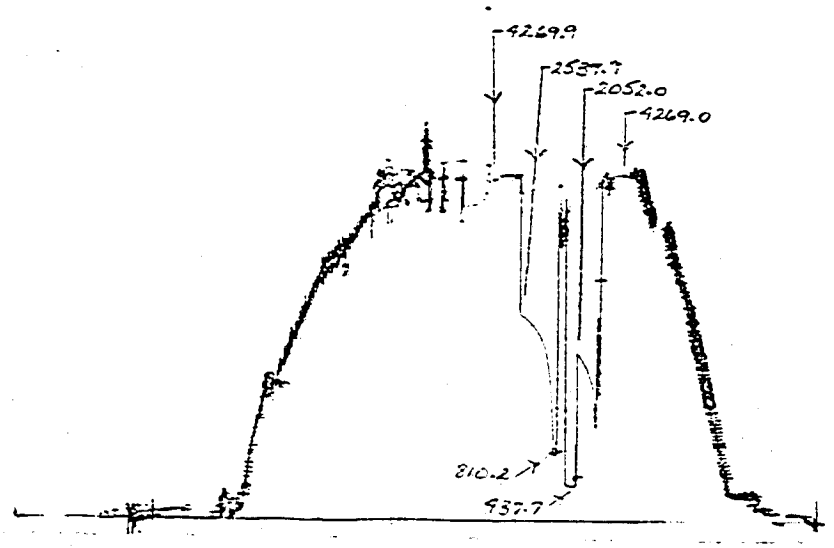


DST RECORDER CHARTS

CANDEL DECKMG TATE J-65
INTERVAL 8410 - 8610
DST NO. 6 REC. NO. 3690



CANDEL DECKMG TATE J-65
INTERVAL 8410 - 8610
DST NO. 6 REC. NO. 887



DST RECORDER CHARTS



DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG TATE

J-65

TEST NO. 7

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKMG TATE J-65 Test No. 7

Well Number J-65 Zone Tested

Company CANADIAN DELHI OIL LTD. Interval 7360.0 TO 7250.0

Comp. Rep. D. NELSON Tester BUDVARSON Date JAN. 31,1972

Type of Test DUAL STRADDLE BY PASS RFS Tool No. 108 (DRAINED)

Preflow mins. ISI mins. Flow mins. FSI mins.

	IN REC. No. 3689 5700 RANGE 12 HR. CLOCK	OUT REC. No. 3690 5750 RANGE 12 HR. CLOCK	STM REC. No. 887 7700 RANGE 24 HR. CLOCK
DEPTH	7232.0	7295.0	7376.0
Initial Hydro Mud Press	2208.6	2239.3	2280.1
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	2208.6	2239.3	2280.1

Mud Drop Fluid Loss Mud Weight 9.5

Viscosity 65.0 Temperature °F Net Pay Tested

Top Packer Depth 7250.0 Bottom Packer Depth 7360.0 Total Depth 9298.0

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

Surface Choke Size Bottom Choke Size 0.5 Main Hole Size 8.750

Anchor Size 4.75 O.D. Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

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: HIT BRIDGE AT APPROXIMATELY 6000 FEET. POSSIABLY DST NO. 6 PACKER RUBBERS.
MISRUN.

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

BJ BORG WARNER

TESTING REPORT

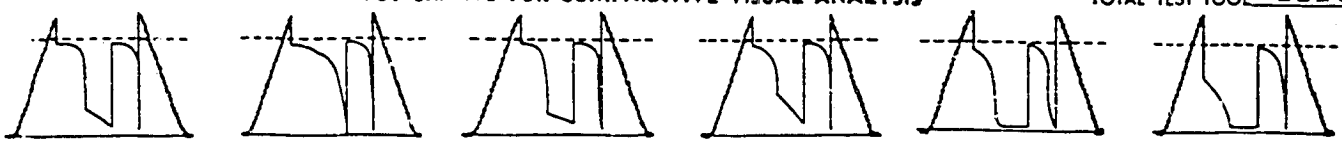
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

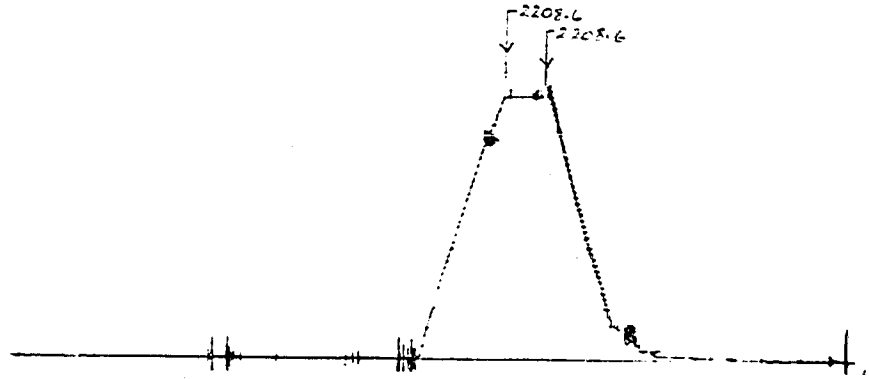
	ID	OD	LENGTH	
4S LANDING SUB				
~~XXXXXXX~~ C.O. SUB			1.00	
4S TOOL OR P.O. SUB			1.00	
~~XXXX~~ REC. CASE			4.00	
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 109	2¼	4¾	3.35	
R.F.S. No. (DRAINED)	2¼	4¾		
HYDRAULIC TOOL		4¾	7.15	
JARS JOHNSTON K#4390	1	4¾	7.80	91 FT ABOVE TOOL
RECORDER No. 3689	2¼	4¾	5.00	DEPTH 7232
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 7244 — PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 7250 — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 48.25
			1.00	
ANCHOR—SPECIFY	2½			
PERFS			42.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
RECORDER No. 3690	2¼	4¾	1.00	DEPTH 7295
K#7317 CO SUB			1.00	
DRILL COLLARS			61.00	
3. PACKER DEPTH 7360 — PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 110.00
			3.00	
4. PACKER DEPTH 7366 — PACKER	1 OR ⅞		6.00	
ANCHOR—SPECIFY	2½			
PERFS			6.00	
RECORDER No 887	2¼	4¾	5.00	DEPTH 7376
K# 10476				
CO SUB			1.00	
DRILL PIPE			1914.00	
TOTAL DEPTH 9298 — BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 1938.00
				TOTAL TEST TOOL 121.25

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



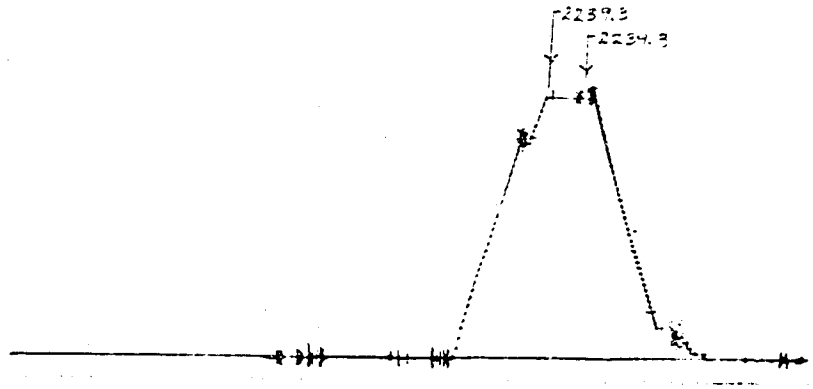
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 7 REC. NO. 3689

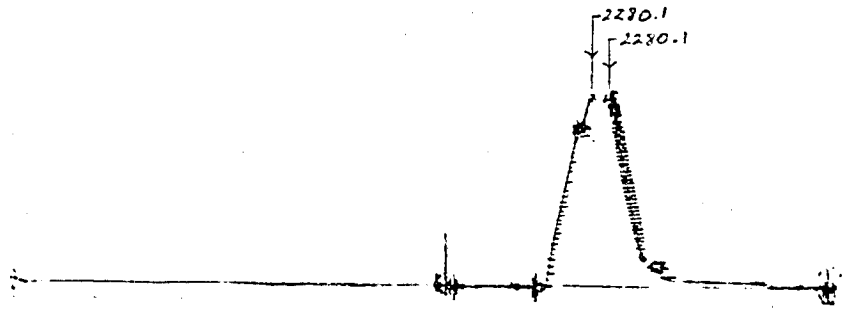


DST RECORDER CHARTS

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 7 REC. NO. 3690



CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 7 REC. NO. 887



DST RECORDER CHARTS

BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DECKMG TATE

J-65

TEST NO. 8

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKMG TATE J-65 Test No. 8

Well Number J-65 Zone Tested

Company CANADIAN DELHI OIL LTD. Interval 7360.0 TO 7250.0

Comp. Rep. D. NELSON Tester BUDVARSON Date JAN. 31,1972

Type of Test DUAL STRADDLE BY PASS RFS Tool No. 108 (DRAINED)

Preflow 15.0 mins. ISI 30.0 mins. Flow 40.0 mins. FSI 60.0 mins.

	IN REC. No. 3689	OUT REC. No. 3690	ST REC. No. 887
	5700 RANGE 12 HR. CLOCK	5750 RANGE 12 HR. CLOCK	7700 RANGE 24 HR. CLOCK
DEPTH	7232.0	7295.0	7376.0
Initial Hydro Mud Press	3614.3	3666.7	3690.8
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	3614.3	3666.7	3690.8

Mud Drop NIL Fluid Loss Mud Weight 9.5

Viscosity 65.0 Temperature °F 210.0 Net Pay Tested

Top Packer Depth 7250.0 Bottom Packer Depth 7360.0 Total Depth 9298.0

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

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 8.750

Anchor Size 4.75 O.D. Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet 10.0

Recovered 10 Feet of DRILLING MUD

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

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 5 MINUTES

REMARKS: VERY WEAK AIR BLOW ON PREFLOW. DEAD IN 5 MINUTES. VERY WEAK AIR BLOW ON FLOW. DEAD IN 3 MINUTES. RESET TOOL AND WAITED 20 MINUTES. DEAD. WAITED 20 MINUTES AND FINALLY SHUT -IN.
MISRUN.

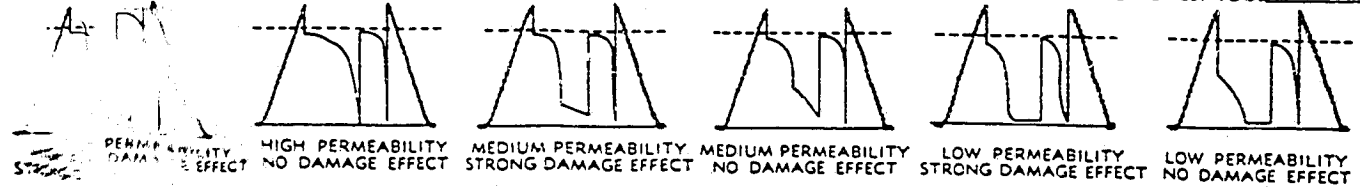
A Core Lab Gas Cont. No. Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

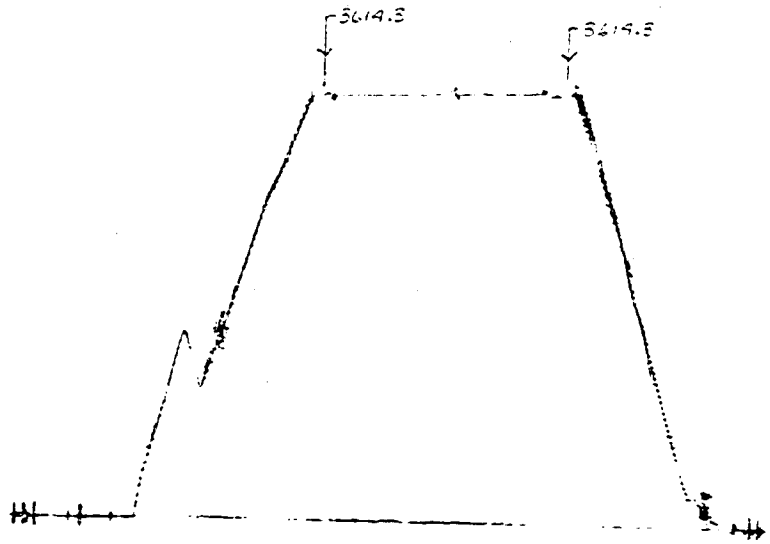
		ID	OD	LENGTH	
	4S LANDING SUB				
	~~XXXXXXXX~~ C.O. SUB			1.00	
	4S TOOL OR P.O. SUB			1.00	
	~~XXXX~~ REC. CASE			4.00	
WEIGHT INDICATER READING					
PRIOR TO SETTING PACKERS	SHUT IN TOOL		4¾	5.20	
	R.F.S. No. 109	2¼	4¾	3.35	
AFTER PULL PACKERS LOOSE	R.F.S. No. (DRAINED)	2¼	4¾		
	HYDRAULIC TOOL		4¾	7.15	
	JARS JOHNSTON K#4390	1	4¾	7.80	91 FT ABOVE TOOL
	RECORDER No. 3689	2¼	4¾	5.00	DEPTH 7232
	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 7244	PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 7250	PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 48.25
	ANCHOR—SPECIFY	2½		1.00	
	PERFS			42.00	
	BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
	RECORDER No. 3690	2¼	4¾	1.00	DEPTH 7295
	K#7317 CO SUB			1.00	
	DRILL COLLARS			61.00	
3. PACKER DEPTH 7360	PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 110.00
				3.00	
4. PACKER DEPTH 7366	PACKER	1 OR ⅞		6.00	
	ANCHOR—SPECIFY	2½			
	PERFS			6.00	
	RECORDER No 887	2¼	4¾	5.00	DEPTH 7376
	K# 10476				
	CO SUB			1.00	
	DRILL PIPE			1914.00	
TOTAL DEPTH 9298	BULLNOSE	2¼	4¾	3.00	TOTAL TAIL PIPE 1938.00
					TOTAL TEST TOOL 121.25

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



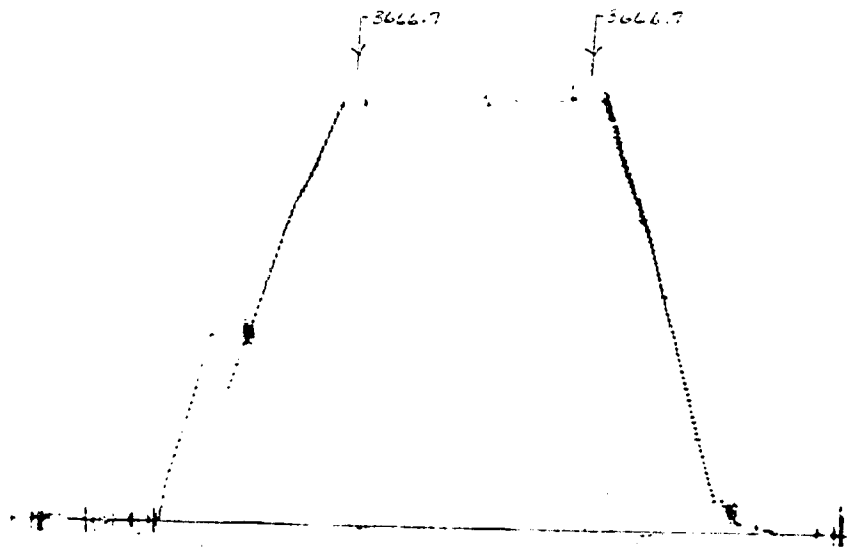
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CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 8 REC. NO. 3689

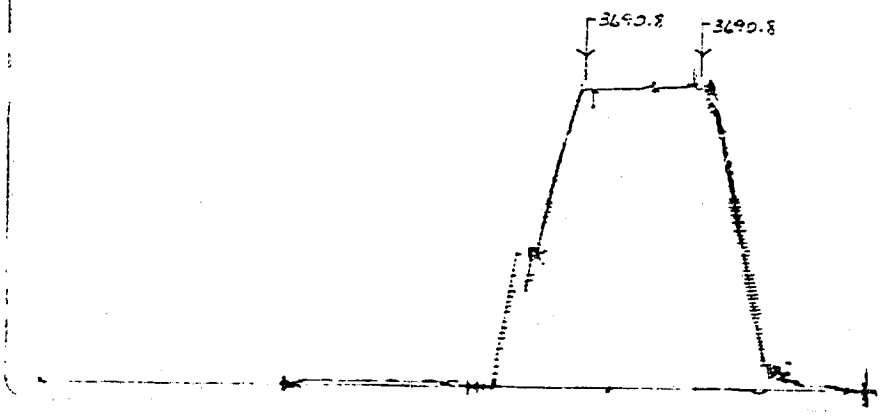


DST RECORDER CHARTS

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 8 REC. NO. 3690



CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 8 REC. NO. 887



DST RECORDER CHARTS

BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL PACKING TATE

J-65

TEST NO. 9

BJ BORG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name	CANDEL DECKNG TATE J-65	Test No.	9
Well Number	J-65	Zone Tested	
Company	CANADIAN DELHI OIL LTD.	Interval	7360.0 TO 7250.0
Comp. Rep.	D. NELSON	Tester BUDVARSON	Date FEB. 1,1972

Type of Test DUAL STRADDLE BY PASS RFS Tool No. 108

Preflow 15.0 mins. ISI 20.0 mins. Flow 115.0 mins. FSI 235.0 mins.

	IN REC No. 3689 5700 RANGE 12 HR CLOCK	OUT REC. No. 3690 5750 RANGE 12 HR. CLOCK	BTM REC. No. 887 7700 RANGE 24 HR. CLOCK
DEPTH	7232.0	7295.0	7376.0
Initial Hydro Mud Press	3580.0	3611.0	3652.3
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	3580.0	3611.0	3652.3

Mud Drop NIL Fluid Loss Mud Weight 9.5

Viscosity 65.0 Temperature F 210.0 Net Pay Tested

Top Packer Depth 7250.0 Bottom Packer Depth 7360.0 Total Depth 9298.0

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

Surface Choke Size CLOSED Bottom Choke Size 0.5 Main Hole Size 8.750

Anchor Size 4.75 O.D. Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7.5

Fluid Recovery Total Feet

Recovered Feet of

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: VERY WEAK AIR BLOW ON PREFLOW. DEAD IN 5 MINUTES. RESET TOOL AND SET DOWN 10 M. DEAD ON FLOW. MISRUN.

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

BJ BORG WARNER

TESTING REPORT

	ID	OD	LENGTH	
4S LANDING SUB				
~~XXXXXXX~~ C.O. SUB			1.00	
4S TOOL OR P.O. SUB			1.00	
~~XXXX~~ REC. CASE			4.00	
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 109	2¼	4¾	3.35	
R.F.S. No. (DRAINED)	2¼	4¾		
HYDRAULIC TOOL		4¾	7.15	
JARS JOHNSTON K#4390	1	4¾	7.80	91 FT ABOVE TOOL
RECORDER No. 3689	2¼	4¾	5.00	DEPTH 7232
RECORDER No.	2¼	4¾		DEPTH
SAFETY JOINT	2 11/16	4¾	1.75	
BY PASS SUB	1 5/32	4¾	1.00	
PACKER	1 OR ⅞		6.00	
PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 48.25
ANCHOR—SPECIFY	2½		1.00	
PERFS			42.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
RECORDER No. 3690	2¼	4¾	1.00	DEPTH 7295
K#7317 CO SUB			1.00	
DRILL COLLARS			61.00	
PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 110.00
			3.00	
PACKER	1 OR ⅞		6.00	
ANCHOR—SPECIFY	2½			
PERFS			6.00	
RECORDER No 887	2¼	4¾	5.00	DEPTH 7376
K# 10476				
CO SUB			1.00	
DRILL PIPE			1914.00	
BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 1938.00
				TOTAL TEST TOOL 121.25

WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

1. PACKER DEPTH 7244

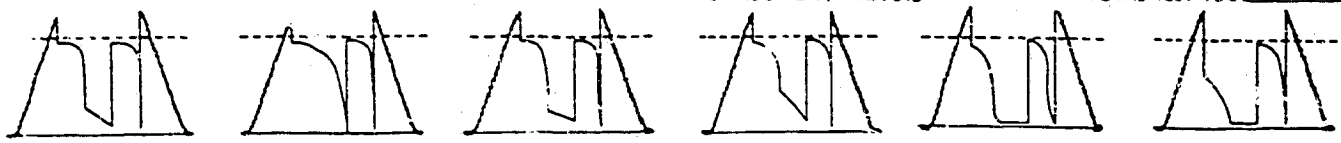
2. PACKER DEPTH 7250

3. PACKER DEPTH 7360

4. PACKER DEPTH 7366

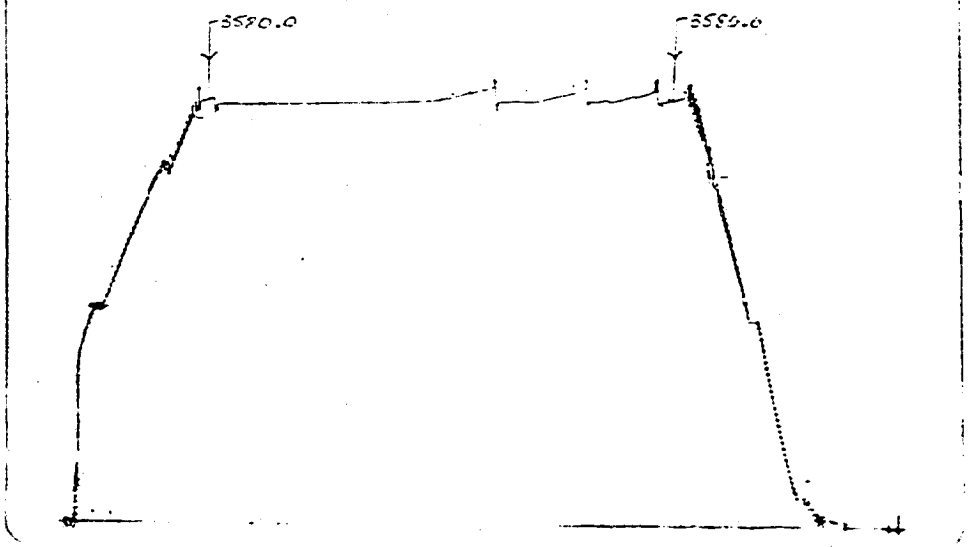
TOTAL DEPTH 9298

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



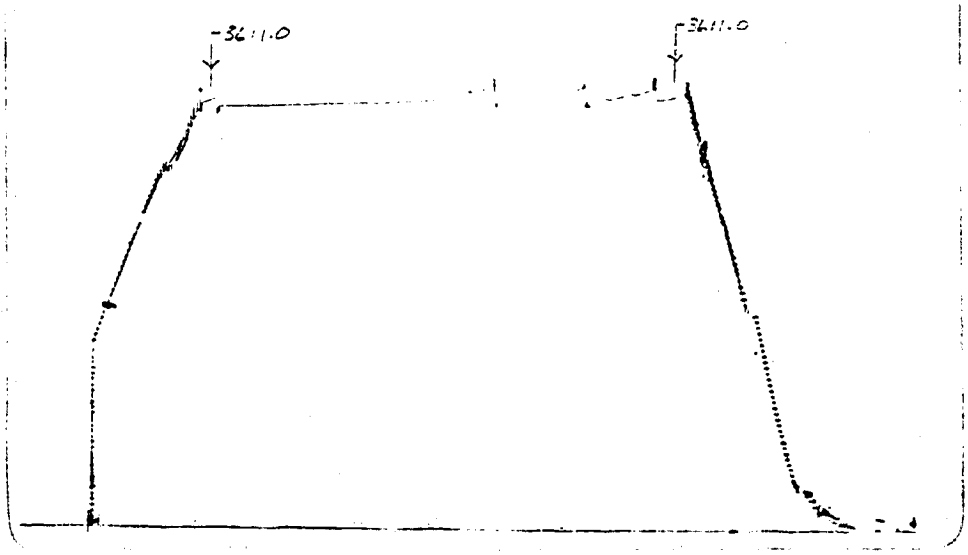
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 9 REC. NO. 3689

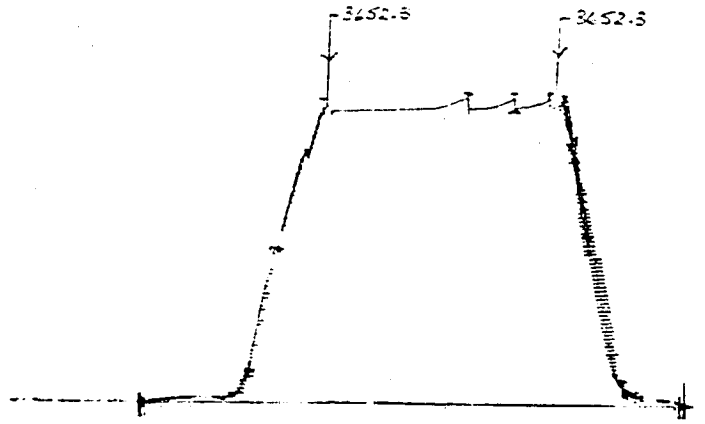


DST RECORDER CHARTS

CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 9 REC. NO. 3690



CANDEL DECKMG TATE J-65
INTERVAL 7250 - 7360
DST NO. 9 REC. NO. 887



DST RECORDER CHARTS

BJ

BORG WARNER

DRILL STEM TEST REPORT

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED

CANDEL DRCKMG T4TE

J-65

TEST NO. 10

BJ BOSG WARNER

TESTING REPORT

DRILL-STEM TEST DATA

Well Name CANDEL DECKMG TATE J-65 Test No. 10

Well Number J-65 Zone Tested

Company CANADIAN DELHI OIL LTD. Interval 7350.0 TO 7245.0

Comp. Rep. D. NELSON Tester BUDVARSON Date FEB. 3,1972

Type of Test: DUAL STRADDLE BY PASS RFS Tool No. 108

Preflow 24.0 mins. ISI 40.0 mins. Flow 70.0 mins. FSI 83.0 mins.

	IN REC No. 3689 5700 RANGE 12 HR. CLOCK	OUT REC. No. 3690 5750 RANGE 12 HR. CLOCK	BTM REC. No. 887 7700 RANGE 24 HR. CLOCK
DEPTH	7227.0	7285.0	7371.0
Initial Hydro Mud Press	3292.3	3721.7	3763.0
Initial Shut-In Press		1693.4	2267.4
Initial Flow Press		2161.9	2267.4
Final Flow Press		2589.6	2632.6
Final Shut-In Press		3721.7	3763.0
Final Hydro Mud Press			

Mud Drop 25.
Viscosity 65.0
Top Packer Depth 7245.0
Drill Pipe Size 4.5 E.H.
Surface Choke Size CLOSED
Anchor Size 4.75 O.D.
Cushion Amount

Fluid Loss
Temperature °F 200.0
Bottom Packer Depth 7350.0
Wt. 16.6 Drill Collar I.D. 2.875
Bottom Choke Size 0.5
Rat Hole Size
Type

Mud Weight 9.5
Net Pay Tested
Total Depth 9298.0
Ft. Run 568.00
Main Hole Size 8.750
Feet of Rat Hole
Rubber Size 7.5

Fluid Recovery Total Feet 3905.0
Recovered 2927 Feet of H2O CUT DRILLING MUD
Recovered 978 Feet of H2O CUT DRILLING MUD
Recovered Feet of
Recovered Feet of
Recovered Feet of

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 13 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

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: NO BLOW ON PREFLOW. RESET TOOL. SKIDDING, LOSING MUD, STOPPED - GOOD BLOW. GOOD BLOW ON FLOW, LOSING MUD. RESET TOOL, SKIDDING, STOPPED - GOOD BLOW.

A Core Lab Gas Cont. No.

Chem - Geo. Lab Gas Cont. No.

BJ BORG WARNER

TESTING REPORT

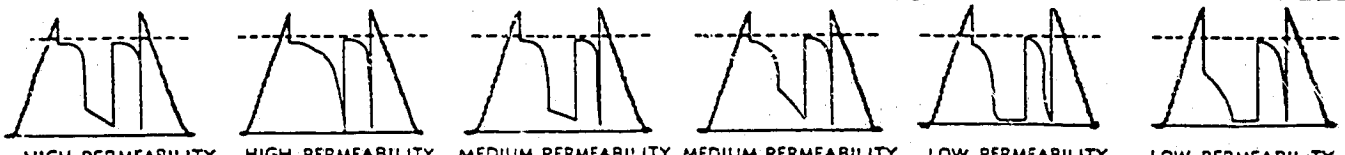
WEIGHT INDICATER READING

PRIOR TO SETTING PACKERS

AFTER PULL PACKERS LOOSE

	ID	OD	LENGTH	
4S LANDING SUB				
4S CHAMBER CO SUB			1.00	
4S TOOL OR P.O. SUB			1.00	
CO SUB REC CASE			4.00	
SHUT IN TOOL		4¾	5.20	
R.F.S. No. 109 (DRAINED)	2¼	4¾	3.35	
R.F.S. No.	2¼	4¾		
HYDRAULIC TOOL		4¾	7.15	
JARS JOHNSTON	1	4¾	7.80	
RECORDER No. 3689	2¼	4¾	5.00	DEPTH 7227
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 7239 — PACKER	1 OR ⅞		6.00	
2. PACKER DEPTH 7245 — PACKER	1 or ⅞		5.00	TOOL ABOVE INTERVAL 48.25
			1.00	
ANCHOR—SPECIFY	2½			
PERFS			37.00	
BLANK OFF OR BY PASS SUB	1 5/32	4¾	1.00	
RECORDER No. 3690	2¼	4¾	1.00	DEPTH 7285
CO SUB - DRILL COLLAR			62.00	
3. PACKER DEPTH 7350 — PACKER	1 OR ⅞		3.00	TOTAL INTERVAL 105.00
			3.00	
4. PACKER DEPTH 7356 — PACKER	1 OR ⅞		6.00	
ANCHOR—SPECIFY	2½			
PERFS			11.00	
RECORDER No 887	2¼	4¾	5.00	DEPTH 7371
CO SUB			1.00	
DRILL PIPE			1918.00	
CO SUB			1.00	
TOTAL DEPTH 9298 — BULLNOSE	2¾	4¾	3.00	TOTAL TAIL PIPE 1948.00
				TOTAL TEST TOOL 122.25

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



B

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 DECKMG TATE J-65 DST. NO. 10

LOCATION J-65 REC. NO. 3690 DEPTH 7285.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
RUN IN HOLE	1	0.0	0.0
	2	261.0	3721.7
INITIAL HYDRO PRESSURE	3	379.0	3721.7
INITIAL PREFLOW PRESSURE	4	379.0	1151.9
	5	384.0	1088.8
PULLED LOOSE	6	387.0	1220.6
	7	388.0	3713.0
TOOLS RESET	8	394.0	3713.0
RESUME FLOW	9	395.0	1637.5
FINAL PREFLOW PRESSURE	10	403.0	1578.8
TOOLS SKIDDED	11	403.0	1578.8
	12	404.0	3379.7
END FALSE SHUT-IN	13	443.0	3069.6
START FLOW PERIOD	14	443.0	3069.6
INITIAL FLOW PRESSURE	15	444.0	1693.4
	16	448.0	1412.6
PULLED LOOSE	17	451.0	1487.1
	18	452.0	3733.3
TOOLS RESET	19	454.0	3733.3
RESUME FLOW	20	455.0	1736.4
	21	458.0	1641.8
	22	463.0	1736.4
	23	468.0	1843.8
	24	473.0	1800.9
	25	478.0	1838.1
	26	483.0	1909.7
	27	488.0	1951.3
	28	493.0	2001.4
	29	498.0	2043.4

WELL NAME CANDEL DECKMG TATE J-65 DST. NO. 10

LOCATION J-65 REC. NO. 3690 DEPTH 7285.

MEASURED PRESSURES

	POINT NUMBER	TIME MIN	PRESSURE PSIG
	30	503.0	2088.1
	31	508.0	2124.3
FINAL FLOW PRESSURE	32	513.0	2161.9
START FINAL SHUT-IN	33	513.0	2161.9
	34	514.0	2505.6
	35	518.0	2533.2
	36	523.0	2543.4
	37	528.0	2552.0
	38	533.0	2557.8
	39	538.0	2562.1
	40	543.0	2566.5
	41	548.0	2570.6
	42	553.0	2573.7
	43	558.0	2575.1
	44	563.0	2578.0
	45	568.0	2580.9
	46	573.0	2583.8
	47	578.0	2583.8
	48	583.0	2583.8
	49	588.0	2586.7
	50	593.0	2586.1
FINAL SHUT-IN PRESSURE	51	596.0	2589.6
RUN OUT OF HOLE	52	596.0	2589.6
FINAL HYDRO PRESSURE	53	597.0	3721.7
	54	616.0	3721.7
OUT OF HOLE	55	667.0	0.0

WELL NAME CANDEL DECKMG TATE J-65 DST. NO. 10

LOCATION J-65 REC. NO. 3690 DEPTH 7285.

CALCULATIONS FOR LIQUID RECOVERY (SECOND SHUT-IN)

(A) EXTRAPOLATED RESERVOIR PRESSURE	2609.9
NO. OF POINTS CONSIDERED IN BUILD-UP	18
NO. OF POINTS USED IN EXTRAPOLATION	14
ROOT MEAN SQUARE DEVIATION OF BEST-FIT LINE (PSI)	0.91
EFFECTIVE PRODUCING TIME (MIN)	69.0

WELL NAME CANDEL DECKMG TATE J-65 DST. NO. 10

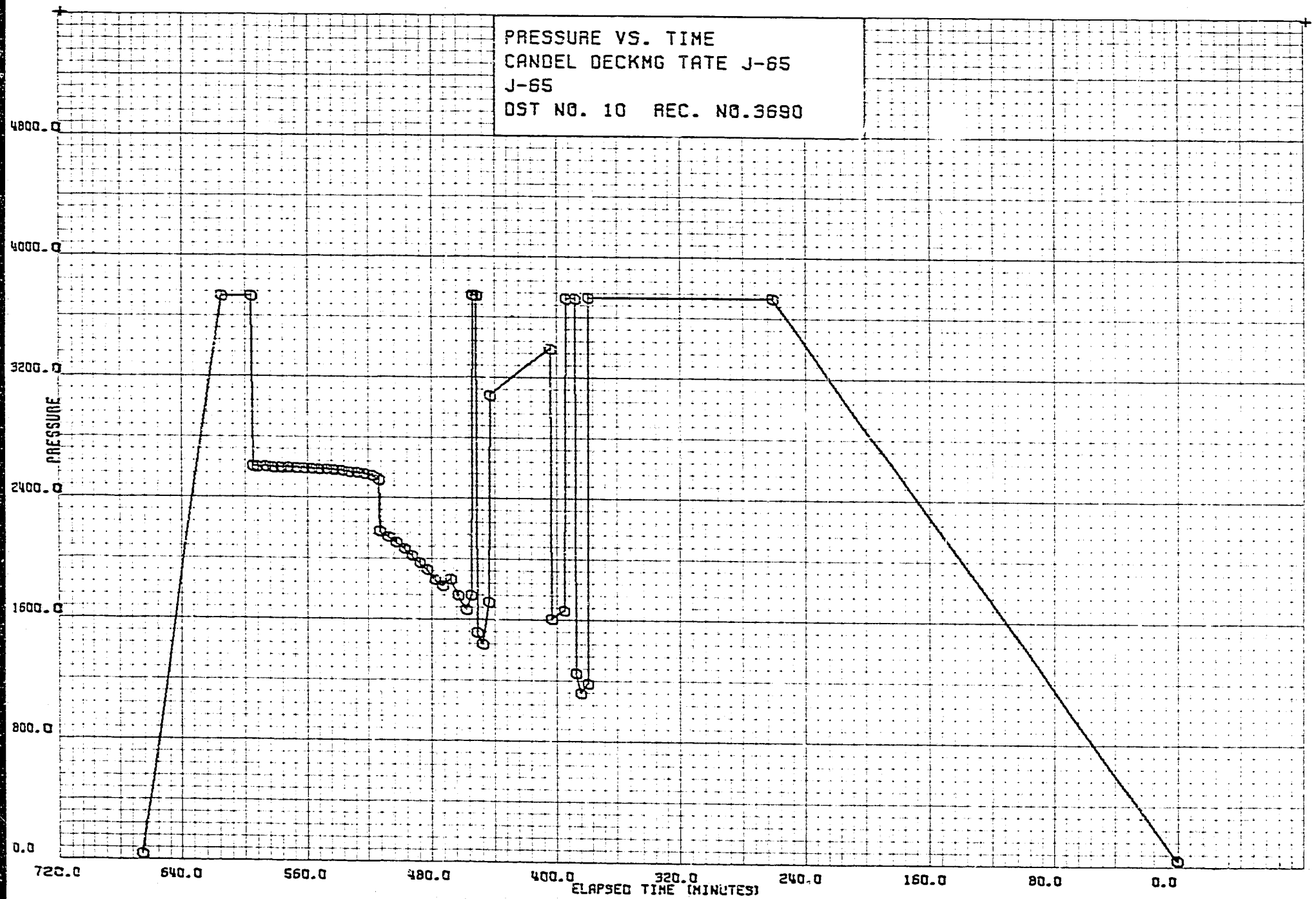
LOCATION J-65 REC. NO. 3690 DEPTH 7285.

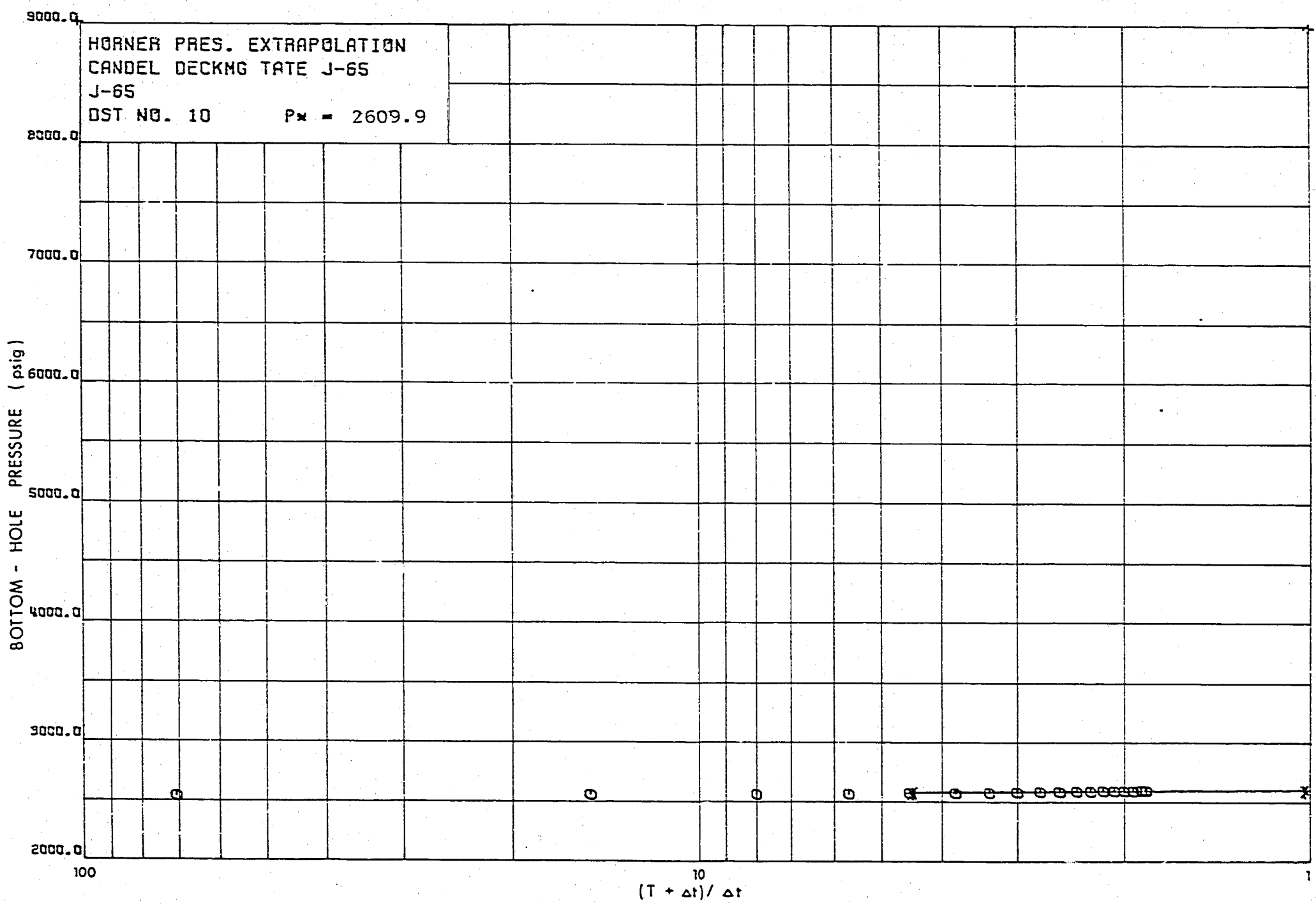
DATA FOR BUILD-UP PLOT (SECOND SHUT-IN)

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					
34	1.0	2505.8			70.00
35	5.0	2533.2			14.80
36	10.0	2543.4			7.90
37	15.0	2552.0			5.60
POINTS USED IN EXTRAPOLATION					
38	20.0	2557.8	2556.4	-1.4	4.45
39	25.0	2562.1	2562.4	0.3	3.76
40	30.0	2566.5	2567.1	0.6	3.30
41	35.0	2570.8	2570.9	0.1	2.97
42	40.0	2573.7	2574.0	0.3	2.72
43	45.0	2575.1	2576.6	1.4	2.53
44	50.0	2578.0	2578.8	0.8	2.38
45	55.0	2580.9	2580.8	-0.2	2.25
46	60.0	2583.8	2582.5	-1.4	2.15
47	65.0	2583.8	2584.0	0.1	2.06
48	70.0	2583.8	2585.3	1.5	1.99
49	75.0	2586.7	2586.5	-0.2	1.92
50	80.0	2588.1	2587.6	-0.6	1.86
51	83.0	2589.6	2588.2	-1.4	1.83

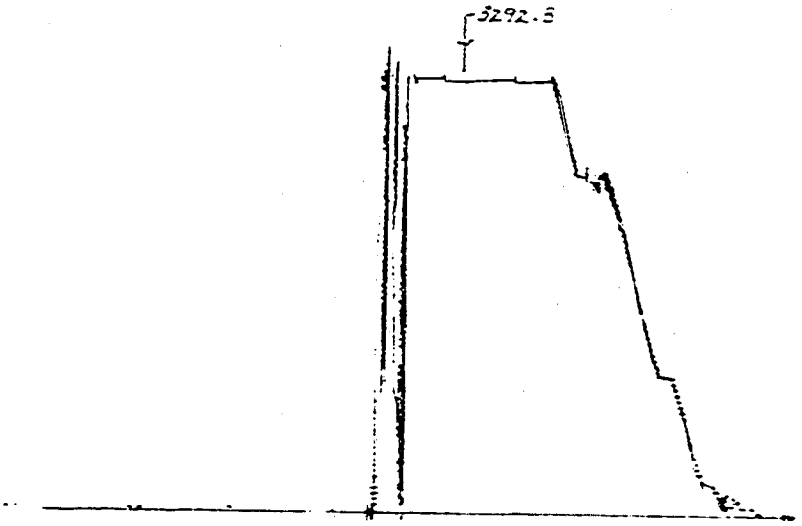
ASSUMPTIONS AND LIMITATIONS

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 DECKMG TATE J-65
J-65
DST NO. 10 REC. NO.3690
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)

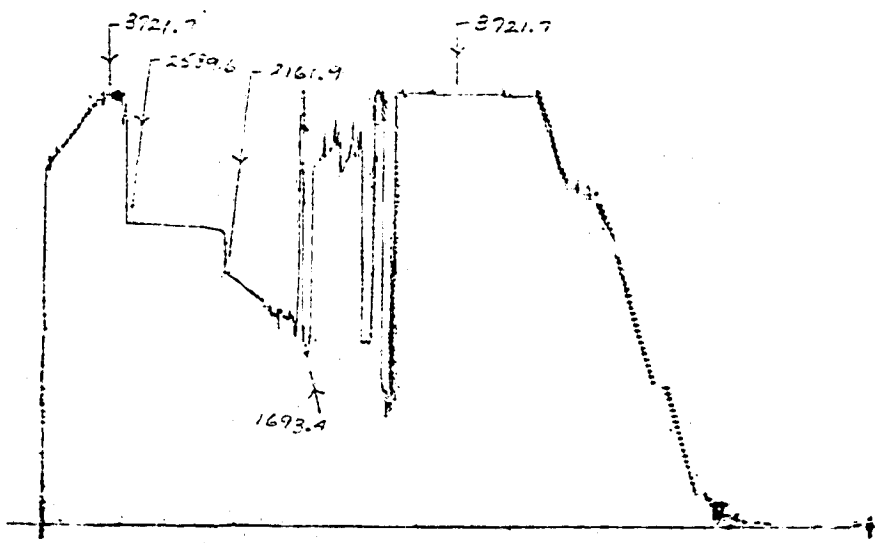

HORNER PRES. EXTRAPOLATION
CANDEL DECKMG TATE J-65
J-65
DST NO. 10 P* = 2609.9
9000.0
8000.0
7000.0
6000.0
5000.0
4000.0
3000.0
2000.0
BOTTOM - HOLE PRESSURE (psig)
100
10
1
(T + Δt)/ Δt

CANDEL DECKMG TATE J-65
INTERVAL 7245 - 7350
DST NO. 10 REC. NO. 3689

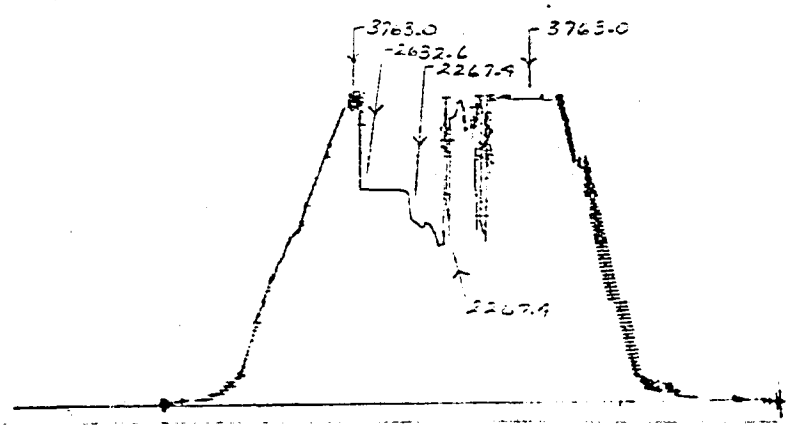


DST RECORDER CHARTS

CANDEL DECKMG TATE J-65
INTERVAL 7245 - 7350
DST NO. 10 REC. NO. 3690



CANDEL DECKMG TATE J-65
INTERVAL 7245 - 7350
DST NO. 10 REC. NO. 887



DST RECORDER CHARTS

DAILY DRILLING REPORT — REPORT NO. 71 — DATE FEB 8, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMO ET AL TATE	J-65			NWT

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Lushakiw

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	NKK	36	24	1032		1028	790 CEMENT
							2% CA.

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	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	71
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 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 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
12:00	5:15	5¼	WAIT ON CEMENT
5:15	5:30	¼	RUN IN TO FEEL PLUG # 7 @ ~~3760~~ 3594
5:30	7:00	1½	LAY DOWN PIPE
7:00	7:30	½	Run Plug #8 w 60 sks CEMENT 1075 - 975
7:30	8:00	½	Lay Down D.P.

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: Dave Fryfogle

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
~~9~~ 8	~~3~~ 3:30	1½	W.O.C.
3:30	4:00	½	FEEL for PLUG @ 950'
			Plug ✓

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: Dave Fryfogle

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	5:30	1½	LAY Down Drill Pipe
5:30	7:30	2	LAY Down Mouse Hole, Rat Hole
7:30	11:30	4	LAY Down B.O.P.s
11:30	12⁰⁰	½	Clean out Cellar, Remove Casing Bowl
			Rig released 7:30 PM

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 10 — DATE FEB 7/72

OPERATOR	LEASE	FIELD NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKING ETAL TATE	J-65			

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwikiw

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	N.K.K.	36	24	1032		1028	190 SKS CEMENT PLUS 2% CAL.

MORNING TOUR

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1½		
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING	1½		
WAITING ON CEMENT	6		
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		

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: Ted Berg

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
12⁰⁰	2⁰⁰	2	WAIT ON CEMENT.
2⁰⁰	2³⁰	½	RUN IN FEEL PLUG #3 @ 7175'
2³⁰	3⁰⁰	½	RUN PLUG #4 PLUG DOWN @ 3⁰⁰ A.M. 55 SKS. CEMENT. PLUG 6000' TO 6500'
3⁰⁰	4⁰⁰	1	HOIST 3 STDS. LAY DOWN 24 SINGLES
4⁰⁰	8⁰⁰	4	WAIT ON CEMENT.

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: Brian Ladaway

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
8:00	10:30	2½	WAIT ON CEMENT
10:30	11:00	½	RUN IN TO FEEL PLUG #4 PLUG @ 6490
11⁰⁰	11³⁰	½	RUN PLUG #5 & 99 SKS CEMENT 6130 - 5930
11³⁰	4⁰⁰	4½	WAIT ON CEMENT

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: Dave Twyford

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	7⁰⁰	3	WAIT ON CEMENT [illegible]
7⁰⁰	7³⁰	½	RUN IN FEEL PLUG [illegible] @ [illegible] 6440
7³⁰	8⁰⁰	½	PULL OUT TO RUN PLUG #6
8⁰⁰	8³⁰	½	RUN PLUG #6 83 SKS CEMENT 4200-4050
8³⁰	8⁴⁵	¼	PULL OUT TO RUN PLUG #6
8⁴⁵	9¹⁵	½	RUN PLUG #7 83 SKS CEMENT 3850-3700
9¹⁵	11³⁰	2¼	LAY DOWN 57 SINGLES DP
11³⁰	12⁰⁰	½	WAIT ON Cement

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	10
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. 69 — DATE FEB 6/92

OPERATOR	LEASE	SEC. NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DEEPMG ETAL TATE	36			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2 — 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	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	W.K.K	36#	24	1032		1028	P.O 5K'S CEMENT PLUS 2% CAL.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			1/4
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
[illegible] & CEMENTING			1/4
WAITING ON CEMENT			4 1/4
DRILL STEM TEST			
OTHER	8		2
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 1/8
FEET SLICKED	
FEET CUT OFF	
PRESENT LENGTH	5111 of 839
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	69
CUMULATIVE ROTATING HRS.	

MORNING 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: Ted Bergum

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 / S.P.M. | PUMP NO. LINER SIZE / 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
12 00	8 00	8	WORK STUCK PIPE

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: 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 / S.P.M. | PUMP NO. LINER SIZE / 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
8:00	4:00	8.	WORK STUCK PIPE.
			SPOTTED 1500 GALS DIESEL

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: Ted Bergum

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 / S.P.M. | PUMP NO. LINER SIZE / 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
4:00	6:00	2	DISPLACE DIESEL
6:00	7:00	1	RUN PLUG # 3 83 CEMENT 7325 - 7128.
7:00	7:30	1/2	HOIST 4 STANDS.
7:30	12 00	4 1/2	WAIT ON CEMENT
			PLUG IN PLACE @ 7:00 P.M.

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 68 — DATE FEB 5/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMG ETAL TATE — WELL NO. T-65 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwichuk

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	N.K.K	36#	24	1032		1028	790 SKS CEMENT PLUS 2% CAL.

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		2	
REPAIR RIG	8	4	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		2	8
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 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 68	
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: Ted Bergum

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	WORK ON CROWN

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: Brain Sadowoy

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	WORK ON CROWN
12 00	2 00	2	SLIP & CUT 525' DRLG LINE
2 00	4 00	2	WORK STUCK PIPE

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: Ted Bergum

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	WORK STUCK PIPE
			SPOTTED 1000 GALS DIESEL FUEL WITH 10 GAL NO-STICK.

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 67 — DATE FEB 4/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMG ETAL TATE	J-63			N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, A Division of Western Electronics & Engineering Ltd.	9	2	4½	6¼ O.D.	X.H

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindstrom

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	N.K.K.	36#	24	1032		1028	790 SKS CEMENT PLUS 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	4	1/4	
TRIPS	1	7 1/4	
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING	3		
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	8		
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 1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	STD 31 837
TON MI. OR STRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	67
CUMULATIVE ROTATING HRS.	

MORNING 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. | 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: Ted Bergum

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

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	4:00	4	CIRC HOLE (OPEN END). (PLUG DOWN @ 6 A.M.)
4:00	6:00	2	RUN PLUG # 1 8350' TO 8500' W/ 77 SKS. CEMENT.
6:00	6:30	1/4	PULL UP TO 7650' (55 SKS)
6:30	7:30	1	RUN PLUG # 2 7666' TO 7550' (PLUG DOWN @ 1 30 A.M.)
7:30	8:00	1/4	PULL OUT 7 STDS.

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. | 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: Brain 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 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

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	1/4	TRY TO BREAK CIRC (CAN'T)
8:30			HOIST PIPE & LAY DOWN 33 SINGLES
	2:30	6	(PLUGGED PIPE)
2:30	4:00	1 1/4	RUN IN TO FEEL PLUG # 2

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. | 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: Ted Bergum

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

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:15	1 1/4	PICK UP 33 SINGLES
5:15	6:00	3/4	BREAK CIRC & CIRC
6:00			FINISH RUNNING IN & FEEL PLUG # 2
	7:00	1	AT 7516'
7:00	12:00	5	WORK ON CROWN

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 66 — DATE FEB 3/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKING ETAL TRACT	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Luchuba

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
7⅝	N.K.K	36#	24	1032		1028	990 SKS CEMENT PLUS 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3	2¼	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY			
TEST B.O.P.		2¼	
CUT OFF DRILLING LINE			
REPAIR RIG		2¼	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	4		
OTHER	¾	1	
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	1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	31 Est
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	66
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR: NO. –

	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.	
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: Ted Bergum

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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SGL.-S PAR.EL-P COM'D-C

FUEL 5'

DEVIATION RECORD: DEPTH / DEV. / DIRECTION (×3)

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

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	¼	RIG SER.
12 15	3 15	3	RUN IN W/ D.S.T. # 10
3 15	4 00	¾	MAKE UP TESTING HEAD
~~4 00~~	8 00	4	D.S.T. # 10

DST #10
7285 – 7320
H.O. 45" / 30"
F.P. 30"

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR: NO. –

	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.	
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 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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SGL.-S PAR.EL-P COM'D-C

Rec'd – 3900' ft
292 Fm Fluid
918 Ft Oil

DEVIATION RECORD: DEPTH / DEV. / DIRECTION (×3)

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

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	TESTING.
8:15	8:30	¼	RIG SERVICE.
8:30	12:30	4	HOIST DST #10 3900 FEET FLUID
12:30	2:00	1½	BREAK DOWN TESTING TOOL.
2:00	4:00	2	WAIT~~ING~~ ON ORDERS

BHT = 190°F.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR: NO. –

	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.	
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: Ted Bergum

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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SGL.-S PAR.EL-P COM'D-C

DEVIATION RECORD: DEPTH / DEV. / DIRECTION (×3)

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

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE.
4:15	6:30	2¼	LAY DOWN D Cs
6:30			FINISH BREAKING DST #10 + LOAD OUT BS
	9 00	2½	+ SERVICE TOOL
9 00	9 30	½	LOAD OUT 54 COLLARS. JARS & 1 6/4 D.C.
9 30	10 00	½	PULL THIL PIPE
10 00	12 00	2	RUN IN OPEN END

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 65 — DATE FEB 2/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DEXHI	CANDEL DECKMB ETAL TATE	C-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludwikow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA500	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	N.K.K	36#	24	1032		1028	190 SKS CEMENT PLUS 2% CAL

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING ~~O.H. AT~~	11		
~~CONDITIONING MUD~~ & CIRCULATING ~~PIPE~~	1¼		
TRIPS	3¾		2¼
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG			
~~PULL CORING~~ TAIL ~~& AL~~	¼		4¼
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON ~~CEMENT~~ ORDER	¾		
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 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH 5521 FT

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 65

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	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	82800
DEPTH OUT	
DEPTH IN	9298
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 Ted Bergum

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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SGL-S PAR-EL-P COM'D-C

FUEL 2'

DEVIATION RECORD — DEPTH / DEV. / DIRECTION (×3)

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	R.I.G SER
12¹⁵	12³⁰	¼	FINISH HOIST DST #9.
12³⁰	1¹⁵	¾	W.AIT ON ORDERS.
1¹⁵	2³⁰	1¼	LAY DOWN TEST TOOL
2³⁰	3⁰⁰	½	PULL OUT TAIL PIPE
3⁰⁰	6³⁰	3½	RUN IN HOLE
6³⁰	8⁰⁰	1½	BREAK CIRC. & CLEAN TO BOTTOM.

DAY TOUR

NO. — DRILLING ASSEMBLY AT END OF TOUR

92	STANDS D.P.	8676.63 FT.
2	SINGLES D.P.	31.35 FT.
19	D.C. 6¼ I.D. O.D:	568.32 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.	1.70 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	20.00 FT.
	TOTAL	9298. FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	8¾.
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	13
SER. NO.	82800
DEPTH OUT	
DEPTH IN	9298.
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	12:00	2:30
WEIGHT	9.1	9.2	9.2
VISC.-SEC	42	40	44.
W.L.-C.C.			
FL.TR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000#		
CAUSTIC	250#		
PELTEX	500#		

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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SGL-S PAR-EL-P COM'D-C

1200 psi

DEVIATION RECORD — DEPTH / DEV. / DIRECTION (×3)

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPS.
8:15	10:15	2	CLEAN TO BOTTOM
10:15	2:45	4½	CIR + CONDITION MUD
2:45	4:00	1¼	HOIST TO RUN DST #10.

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.	
FL.TR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ted Bergum

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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SGL-S PAR-EL-P COM'D-C

DEVIATION RECORD — DEPTH / DEV. / DIRECTION (×3)

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE
4:15	6:45	2½	FINISH HOISTING ~~TO~~ TO TEST
6:45	7:45	1	CUT + SLIP 49' DRILLING LINE
7:45			MAKE UP DST #10 (SERVICE SUB) RUN
	12⁰⁰	4¼	IN TAIL PIPE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 64 — DATE FEB 1 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING ETAL TATE

SEC. NO. 3-65 | FIELD OR DIST. | COUNTY | STATE: W.W.T

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 5 SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. X.H

PUMPS

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Luchuk

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NKK	36#	24	1032		1028	290 SKS CEMENT
							Plus 2% CAL

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3	2¾	2¾
LUBRICATE RIG		¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
~~DRILL TEST~~ TRIP TEST TOOL	1	1¼	
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON ~~CEMENT~~ ORDERS	1	2½	
DRILL STEM TEST	2½	1½	4¾
OTHER	1½		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 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 64

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		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. | 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: Ed Bergum

FOOTAGE: FROM 9798 | TO | DR. D RM. R CORE C | CORE NO.

FORMATION (SHOW CORE RECOVERY): FUEL 3½ Ft.

ROTARY RPM | WT. ON BIT 1000 # | PUMP PRESS | PUMP NO. LINER SIZE | S.P.M. | PUMP NO. LINER SIZE | 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
17⁰⁰	2³⁰	2½	D.S.T. #8
2³⁰			PULL PACKER LOOSE & LAY DOWN
	3⁰⁰	½	TESTING HEAD
3⁰⁰	6⁰⁰	3	HOIST D.S.T. #8
6⁰⁰	7⁰⁰	1	BREAK & LAY DOWN TEST TOOL (SERVICE SAME)
7⁰⁰	8⁰⁰	1	WAIT ON ORDERS.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		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. | 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 Ladouceur

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 | S.P.M. | PUMP NO. LINER SIZE | 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 + CHECK BOPs
8:15	10:45	2½	WAIT ON ORDERS
10:45	12:00	1¼	MAKE UP DST #9
12:00	2:45	2¾	RUN IN WITH DST #9
2:45	4:00	1¼	TESTING
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		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. | 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: Ed Bergum

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 | S.P.M. | PUMP NO. LINER SIZE | 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	4:15	¼	RIG SERVICE
4:15	9⁰⁰	4¾	TESTING
9⁰⁰	9³	¼	PULL PACKER LOOSE & LAY DOWN TESTING HEAD.
9³	12⁰⁰	2¾	HOIST D.S.T. #9

D.S.T. #9 7250-7340
Mission - plugged tool

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 63 — DATE Jan. 31/72

LEASE: CANOEL DECKING et al TATE — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4 1/2 — TOOL JOINT 6 5/8 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	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	NKK	36#	24	1032		1026	170 sks Cement
							2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING		5 3/4	
TRIPS		2	3 3/4
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			1/4
OTHER		8	3 3/4
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 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH 5104 ft 933

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 8

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	730	
WEIGHT	93	
VISC.-SEC	65	
W.L.-C.C.	10	
FLTR. CK.	2/32	
PH	9.5	
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 SCL.-S PANEL-P COM'D-C
1298												

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 & U B.O.P's
12:15	6:00	17 3/4	REAM HOLE 16600 to 9298'
6:00	8:00	1 3/4	Circ & Condition HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
92	STANDS D.P.	8676.63 FT.
1	SINGLES D.P.	31.35 FT.
	D.C. I.D. O.D.	FT.
19	D.C. 6 1/4 I.D. O.D.	568.32 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	186 m	LBS.

BIT RECORD

BIT NO.	RR 11	
SIZE	9 3/4	
MFG.	H.W.	
TYPE	X55K	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	82800	
DEPTH OUT		
DEPTH IN	9298	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.30	11.00
WEIGHT	94	9.5
VISC.-SEC	46	48
W.L.-C.C.	10	10
FLTR. CK.	2/32	2/32
PH	9.0	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	35 SKS.		
CAUSTIC	50#		

DRILLER Jack Bergum

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 SCL.-S PANEL-P COM'D-C
9298												

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 SER
8:15	2:00	5 3/4	CIRC & CONDITION HOLE TO TEST
2:00	4:00	2	HOIST TO TEST

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 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 SCL.-S PANEL-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	4:15	1/4	RIG SERVICE
4:15	5:45	1 1/2	FINISH HOIST TO TEST. DST #8
5:45	9:15	3 1/2	MAKE UP DST #8 2250-7360
9:15	11:30	2 1/4	RUN IN W/ DST #8 VO 42 mins, ISI-30 mins
11:30	11:45	1/4	HEAD UP DST #8 FSI-60 mins
11:45	12:00	1/4	TESTING. Rec'd 10' mud
		8.	BHT - 210°F

APPROVED — APPROVED

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

DAILY DRILLING REPORT FR REPORT NO. 62 DATE January 30, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DECHI	CANDEL DRILLING ET AL TATE	J-65			N W T

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Lindbjerg

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	NKK	36#	24	1032		1025	790 sks Cement + 2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			1/2
CONDITIONING MUD & CIRCULATING			
TRIPS	4	23 1/4	4 1/2
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
MAKE UP DRILL STEM TEST		4 1/4	
OTHER		5 1/4	1 3/4
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. 1
NO. OF LINES 8 SIZE 1/8
FEET SLIPPED
FEET CUT
PRESENT LENGTH STD AT 937
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS
NO. OF DAYS FROM SPUD 62
CUMULATIVE ROTATING HRS.

MORNING 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., 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 Wayne Frykas

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 SCL-S PAR'EL-P COM'D-C
				FUEL — 3								

DEVIATION RECORD: DEPTH, DEV., DIRECTION (×3)

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	1/4	RIG SERVICE
12 15	1 15	1	WORK STUCK PACKER
1 15	5	3 3/4	PULL TEST #6 FLOW (LIGHT 20 STZ)
5 00	7 00	2	BREAK DOWN TOOL
7 00	4 00	1	RUN IN TAIL PIPE — DST #6 9440-8610
			VO 40 min 15 1 - 30" FSI - 60 min.
			Rec 662' fluid (200' slt wtr, 462' mud)
			BHT - 210° F. Bottom packer dud

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., 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 Ted Leyen

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 SCL-S PAR'EL-P COM'D-C
				not tested.								

DEVIATION RECORD: DEPTH, DEV., DIRECTION (×3)

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	1/4	RIG SER
8 15	12 30	4 1/4	MAKE UP TEST TOOL (SERVICE SAME) (INSTALL NEW PACKER RUBBERS)
12 30	2 15	1 3/4	RUN IN W/ D.S.T. #7
2 15	2 30	1/4	RUN IN TO BRIDGE AT (WORK PIPE)
2 30	4 00	1 1/2	PULL OUT D.S.T. #6

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. RR11, SIZE 8 3/4, MFG. HW, TYPE XSSR, NOZZLE NO. 3, NOZZLE SIZE 13, SER. NO. 82800, DEPTH OUT, DEPTH IN 9278, 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	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 SCL-S PAR'EL-P COM'D-C

DEVIATION RECORD: DEPTH, DEV., DIRECTION (×3)

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	1/4	RIG SER
4 15	5 00	3/4	FINISH OUT W/ D.S.T. #7
5 00	6 45	1 3/4	BREAK & LAY DOWN TEST TOOL
6 45	7 15	1/2	PULL OUT TAIL PIPE
7 15	8 00	3/4	RUN IN D.C.'S
8 00	9 00	1	SLIP & CUT 89'
9 00	11 30	2 1/2	RUN IN (LAY DOWN 5 SINGLES TAILPIECE)
11 30	12 00	1/2	BREAK CIRC. & CLEAN BRIDGE @ 6400'

APPROVED APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 61 — DATE Jan 29, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DEVON	CANDEL DEVONA et al TATE J-65	J-65			N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, A Division of Western Electronics & Engineering Ltd.	9	2	4½	6⅝ O.D.	X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwikson

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#	24	1032		1028	790 sks. Cement 2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	3	1	
TRIPS	3¼	3¼	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE	1		
REPAIR RIG			
MAKE UP CORING TEST		3	
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	8
SIZE	1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	9331
TON MI. OR TRIPS SINCE LAST CUT	STD 1 of 837
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	6
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		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 188,000 LBS.

BIT RECORD

BIT NO.	RR 11	
SIZE	8 3/4	
MFG.	HW	
TYPE	X55R	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	82800	
DEPTH OUT		
DEPTH IN	9298	
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.
PELTEX	500#		

DRILLER: Elwood 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
				FUEL — 5'				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	1:15	1	SLIP & CUT LINE 89'
1:15	2:15	1	FINISH TRIP OUT
2:15	5:00	2¾	RUN IN W/ BIT TO CLEAN HOLE
5:00	8:00	3	CIRC & CONDITION HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		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.	RR 11	
SIZE	8¾	
MFG.	HW	
TYPE	X55R	
NOZZLE NO.	3	
NOZZLE SIZE	13	
SER. NO.	82800	
DEPTH OUT		
DEPTH IN	9298	
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: Ted Berger

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
9298												

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 SER
8:15	9:15	1	CIRC & CLEAN HOLE
9:15	12:00	2¾	PULL OUT TO TEST.
12:00	12:30	½	MAKE UP TAIL PIPE & RUN IN
12:30	3:30	3	MAKE UP TEST TOOL #6
3:30	4:00	½	RUN IN W/ D.S.T. #6

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		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.		
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: Elwood 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
4:00	4:15	¼	RIG SER
4:15	6:15	2	RUN IN W/ DST #6.
6:15	6:45	½	MAKE UP TESTING HEAD
6:45	9:45	3	TESTING
9:45	12:00	2¼	WORK STUCK PACKER

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 60 — DATE January 28, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DEVELOPMENT ET AL TIER

WELL NO. J-65 | FIELD OR DIST. | COUNTY | STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Luckhurst

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 7/8	NKK	36#	24	1032		1028	200 sx Cement
							2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		9	
LUBRICATE RIG		¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE	1		
REPAIR RIG			
CORING TEST		4	
WIRE LINE LOGGING	6½		
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1½	¾	
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 7/8
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TOM MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TOM MI. OR TRIPS
NO. OF DAYS FROM SPUD 60
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)
				FUEL — 5 FEET

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
12 00	6 30	6½	LOG w/ SCHLUMBERGER
6 30	7 00	½	TEAR OUT SCHLUMBERGER
7 00	8 00	1	SLIP & CUT 89'

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 Dave Frykas

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
9718				

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
3 00	3 30	½	R/C SLR
3 30	10 00	1¾	RUN IN & MAKE UP [redacted] TAIL PIPE
10 00	2 00	4	MAKE UP TEST TOOL
2 00	4 00	2	RUN IN W/ D.S.T. #5.

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 Del Bergum

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)
9718				

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
4 00	4 30	½	R/C UP TESTING HEAD.
4 30	7 00	2½	TESTING D.S.T. #5
7 00	[redacted]	[redacted]	PULL PACKER LOOSE & LAY DOWN
	9 15	1¼	TESTING HEAD
9 15	10 30	3¼	HOIST D.S.T. #5 (2 FLOW)
10 30	12 00	1½	LAY DOWN TESTING TOOLS

DST #5 7250-7360 Missrun Tool plugged

APPROVED APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 59 — DATE January 27

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DEVELOPING et al TRIAL	J-65			N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling A Division of Western Electronics & Engineering Ltd.	9	2	4½	6 1/4 O.D.	XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	George Lindsay

NO.	PUMPS 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	NKK	36#	24	1032		1032	790 sks Class G
								2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1		
LUBRICATE RIG	¼		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING	6¼	8	
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	½		
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
FEET SLIPPED	570
FEET CUT OFF	537
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	59
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	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	Wayne Fryfogle			

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 SOLIDS PARTEL-P COMDEC
				FUEL — 6'								

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	1¹⁵	1	FINISH TRIP OUT
1¹⁵	1⁴⁵	½	RIG UP SCHLUMBERGER
1⁴⁵	8²²	6¼	LOG w/ SCHLUMBERGER

TALLY - 9298.98
STRAP - 9298.21
- .77
No Corr.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	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	Lad Bergum			

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 SOLIDS PARTEL-P COMDEC
9298												

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	4⁰⁰	8	LOG w/ SCHLUMBERGER

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	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	Wayne Fryfogle			

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 SOLIDS PARTEL-P COMDEC

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	12⁰⁰	8	LOG w/ SCHLUMBERGER

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 58 — DATE Jan. 26, 1972

OPERATOR: CANADIAN DECHI

LEASE: CANDEL DECKMC et al Tate J-65

WELL NO.: J-65 | FIELD OR DIST. | COUNTY | STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Lindahan

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#	24	1032		1024	790 sks Cement 2% CaCl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6	7 3/4	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	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	16	

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	58
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
92	STANDS D.P.	9287.65 FT.
	SINGLES D.P.	FT.
19	D.C. 6 1/4 I.D. O.D.	568.32 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 C/O O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	12.00 FT.
	TOTAL	9258. FT.

WT. OF STRING: LBS.

BIT RECORD

BIT NO.		11
SIZE		8 3/4
MFG.		H.W.
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		82800
DEPTH OUT		
DEPTH IN		9123
TOTAL FTG.		134
TOTAL HR. RUN		3 1/4
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4.00	6:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	68	66	65
W.L.-C.C.	8.7	8.6	8.7
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: Dave Frykas

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
9224	9258	D		FUEL — 7½ [illegible]	54	35	1250	5½	58			

DEVIATION RECORD: DEPTH 9133 | DEV. 12½ | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	1/4	K.C SERVICE + U BOP's
12 15	1 00	3/4	SURVEY @ 9123 — 12½°
1 00	8 00	7	DRILL 8 3/4 HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
92	STANDS D.P.	8616.63 FT.
1	SINGLES D.P.	31.35 FT.
	D.C. I.D. O.D.	FT.
19	D.C. 6 1/4 I.D. O.D.	588.32 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS C/O O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	20.70 FT.
	TOTAL	9298.50 FT.

WT. OF STRING: 180,000 LBS.

BIT RECORD

BIT NO.		11
SIZE		8 3/4
MFG.		HW
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		82800
DEPTH OUT		
DEPTH IN		9123
TOTAL FTG.		175
TOTAL HR. RUN		39
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:30	12:00	4.00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	67	70	68
W.L.-C.C.	8.6	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	34 00		
DV-68	3 GAL		

DRILLER: Ted Bugeau

FOOTAGE 39'

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
9258	9298	D			54	35m	1250	5½	58	5½		S

DEVIATION RECORD

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	1/4	RIG SER
8 15	4 00	7 3/4	DRILL 8 3/4 HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
92	STANDS D.P.	8676.63 FT.
1	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
19	D.C. 6 1/4 I.D. O.D.	568.32 FT.
	STB. BODY O.D.	FT.
	STB. BODY O.D.	FT.
	RMR. BODY O.D.	FT.
1	SUBS C/O O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	21.70 FT.
	TOTAL	9248.00 FT.

WT. OF STRING: 180,000 LBS.

BIT RECORD

BIT NO.		11
SIZE		8 3/4
MFG.		HW
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		82800
DEPTH OUT		9298
DEPTH IN		9123
TOTAL FTG.		174
TOTAL HR. RUN		39½
COND. OF BIT		1-3-1
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9 00		
WEIGHT	9.3		
VISC.-SEC	115		
W.L.-C.C.	8.2		
FLTR. CK	2/32		
PH	10.5		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Frykas

FOOTAGE 1'

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
9298	9298											

DEVIATION RECORD

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	1/4	RIG SER
4 15	4 45	1/2	DRILL 8 3/4 HOLE
4 45	6 15	1½	20 STD DUMMY TRIP
6 15	9 30	3 1/4	CIRC HOLE CLEAN
9 30	12 00	2 1/2	TRIP OUT TO LOG (STRAPPED)

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 57 — DATE Jan. 25/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKMA et AL TATE
WELL NO.: J-65
FIELD OR DIST.:
COUNTY:
STATE: NWT

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.
RIG NO.:
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 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	NKK	36#	24	1032		1028	790 sks. Cement
							2% CaCl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	9¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
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	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	5788.837
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD	57
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
90	STANDS D.P.		FT.
2	SINGLES D.P.	8550.21	FT.
19	D.C. 6¼ I.D. O.D.	568.32	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 C/O O.D.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	37.00	FT.
	TOTAL	9157	FT.
WT. OF STRING		9157	LBS.

BIT RECORD

BIT NO.		11
SIZE		8 3/4
MFG.		H.W
TYPE		XSSR
NOZZLE	NO.	3
	SIZE	12
SER. NO.		32800
DEPTH OUT		
DEPTH IN		9123
TOTAL FTG.		36
TOTAL HR. RUN		8¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.2	9.3	9.3
VISC.-SEC	75	67	64
W.L.-C.C.	9.6	9.7	9.8
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	150#		
Peltex	300#		

DRILLER: Dave Fryhas

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
9123	9157	D		FUEL 6'	54	36	1200	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 B.O.P's
12 15	8 00	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
91	STANDS D.P.	8581.86	FT.
	SINGLES D.P.		FT.
	D.C. I.D. O.D.		FT.
19	D.C. 6¼ I.D. O.D.	568.32	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS C/O O.D.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41 00	FT.
	TOTAL	9192 00	FT.
WT. OF STRING		198,000	LBS.

BIT RECORD

BIT NO.		11
SIZE		8¾
MFG.		H.W.
TYPE		XSSR
NOZZLE	NO.	3
	SIZE	12
SER. NO.		82800
DEPTH OUT		
DEPTH IN		9123
TOTAL FTG.		11
TOTAL HR. RUN		16¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:30 AM	1:00	4:00
WEIGHT	9.3	9.2	9.3
VISC.-SEC	68	63	65
W.L.-C.C.	9.4	9.6	9.0
FLTR. CK.	~/~	2/32	2/32
PH	11.5	11.0	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3400#		
DV 68	3 gal		
C.M.C.	100#		

DRILLER: Ted Bergum

FOOTAGE 35

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
9157	9192				54	36#	1250	5½	58	5½		5

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 SER
8 15	4 00	7¾	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.	8613.34	FT.
	SINGLES D.P.		FT.
19	D.C. 6¼ I.D. O.D.	568.32	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 C/O O.D.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41 00	FT.
	TOTAL	9224	FT.
WT. OF STRING		179,000	LBS.

BIT RECORD

BIT NO.		11
SIZE		8¾
MFG.		HW
TYPE		XSSR
NOZZLE	NO.	3
	SIZE	12
SER. NO.		82800
DEPTH OUT		
DEPTH IN		9173
TOTAL FTG.		103
TOTAL HR. RUN		24¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	68	68	66
W.L.-C.C.	8.6	8.6	8.7
FLTR. CK	2/32	2/32	2/32
PH	10.5	10	10
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	200#		
Peltex	400#		

DRILLER: Dave Fryhas

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
9192	9224	D			54	36#	1250	5½	58	5½		5

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
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. 56 — DATE JAN 24, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMG ETAL TATE	J-65			NWT.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	TYPE THD.
Jennings International Drilling, A Division of Western Electronics & Engineering Ltd.	9	2	4½	6¼ O.D.	XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindstrom

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#	24	1032		1027	790 CEMENT. 400 @ CA.

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	4¾	1
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		3	4¼
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1		
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG			¼
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT ~~SERVICE~~			¼
DRILL STEM TEST			
OTHER			¾
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 1⅝
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	56
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
90	STANDS D.P.	8487.10	FT.
1	SINGLES D.P.	31.50	FT.
19	D.C. 6¼ I.D. O.D.	568.32	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.	1.20	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	23	FT.
	TOTAL	9112	FT.
WT. OF STRING		178,000	LBS.

BIT RECORD		
BIT NO.		10
SIZE		8¾
MFG.		HW
TYPE		WD7
NOZZLE	NO.	3
	SIZE	12
SER. NO.		35803
DEPTH OUT		9112
DEPTH IN		9047
TOTAL FTG.		65
TOTAL HR. RUN		20½
COND. OF BIT		0 4 3
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	2:00	4:00	6:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	70	68	64
W.L.-C.C.	8.2	8.0	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.
GEL	2200#		
CMC	150#		

DRILLER: Brian Sadowny

FOOTAGE 21

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.-P COM.-C
9091	9112	D		FUEL 5 FEET	54	35	1250	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	9057	12¼							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE.
12:15	2:30	2¼	DRILL 8¾" HOLE
2:30	3:30	1	SURVEY - 9057 - 12¼°
3:30	8:00	4½	DRILL 8¾" HOLE.
		8	

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
90	STANDS D.P.		FT.
1	SINGLES D.P.	8518.60	FT.
	D.C. I.D. O.D.		FT.
19	D.C. 6¼ I.D. O.D.	568.32	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	~~35.08~~	FT.
	TOTAL	9123	FT.
WT. OF STRING		174,000	LBS.

BIT RECORD		
BIT NO.		10
SIZE		8¾
MFG.		H.W.
TYPE		WD7
NOZZLE	NO.	3
	SIZE	12
SER. NO.		35803
DEPTH OUT		9123
DEPTH IN		9047
TOTAL FTG.		76
TOTAL HR. RUN		25¼
COND. OF BIT		1 1 1
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	10:00	12:30	
WEIGHT	9.3	9.3	1
VISC.-SEC	70	72	R
W.L.-C.C.	8.4	8.8	1
FLTR. CK.	2/32	2/32	P
PH	10.0	10.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ward 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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
9112	9123	D			54	36	1250	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 & ✓ B.O.P.'s
8:15	1:00	4 3/4	DRILL 8¾" HOLE
1	4:00	3	TRIP out w/ BIT #10

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
90	STANDS D.P.	8487.10	FT.
1	SINGLES D.P.	31.50	FT.
	D.C. I.D. O.D.		FT.
19	D.C. 6¼ I.D. O.D.	568.32	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	38.08	FT.
	TOTAL	9125.50	FT.
WT. OF STRING		178,000	LBS.

BIT RECORD		
BIT NO.		11
SIZE		8¾
MFG.		HW.
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		38800
DEPTH OUT		
DEPTH IN		9123
TOTAL FTG.		2
TOTAL HR. RUN		1
COND. OF BIT		0/8
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME			
WEIGHT	T		
VISC.-SEC	R		
W.L.-C.C.			
FLTR. CK	1	P	
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Jack Bergum

FOOTAGE 2

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.-P COM.-C
9123	9125	D			54	36	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
4:00	4:15	¼	RIG SER
4:15	5:15	1	FINISH OUT W/BIT #10
5:15	5:30	¼	WORK ON BANG LOW LINKAGE, [redacted]
5:30	6:00	½	LOGGING EQUIPMENT IN WARM PLACE
6:00	7:00	1	SLIP & CUT 49' DRLG LINE
7:00	10:30	3¼	RUN IN W/BIT 11
10:30	11:00	¼	BREAK CIRC & CLEAN 15' FILL
11:00	12:00	1	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 55 — DATE JAN 23, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANADEL DECKMG ET AL TATE J-65	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Ludwig

PUMPS

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

LAST CASING: SIZE 9⅝ — MAKE NKK — WT. & GR. 36 — NO. JOINTS 24 — FEET 1032 — RKB. TO CSG. HD. — SET AT 1024 — REMARKS: CEMENT

Alberta Canada

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		6	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	4	1¼	
LUBRICATE RIG	1/4	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	3¾	1/2	
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 55

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		FT.
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
19	D.C. I.D. O.D.	568.32	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.	1.70	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	10
SIZE	8¾
MFG.	HW
TYPE	WO7
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	35803
DEPTH OUT	
DEPTH IN	9047
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	8.9	9.0	9.0
VISC.–SEC			
W.L.–C.C.	9.5	9.6	9.7
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	460#		
CAUSTIC	50#		
SAWDUST	20 SACKS		

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
9047				7½ FT. – FUEL.								

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	12:30	¼	FINISH LAYING DOWN SQUARE COLLARS
12:30	4:30	4	PICK UP BOTTOM HOLE COLLAR + RUN IN WITH BIT #10. (RUN IN SLOWLY HIGH WIND)
4:30	5:30	1	BREAK CIR. + CLEAN BRIDGE AT 7947'
5:30	8:00	2½	MIX MUD + LOST CIR. MAT. (LOST 200 BBLS MUD)

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		FT.
90	STANDS D.P.	8487.10	FT.
	SINGLES D.P.		FT.
19	D.C. 6 1/4 I.D. O.D.	568.32	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.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	10.18	FT.
	TOTAL	9068.00	FT.
	WT. OF STRING	178,000	LBS.

BIT RECORD

BIT NO.	10
SIZE	8¾
MFG.	H.W.
TYPE	WO7
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	35803
DEPTH OUT	
DEPTH IN	9047
TOTAL FTG.	21
TOTAL HR. RUN	6
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	8.9	9.0	9.0
VISC.–SEC	80	75	70
W.L.–C.C.	9.5	9.6	9.7
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	800#		
CAUSTIC	100#		
PELTEX	200#		

DRILLER: Dave Lupkas

FOOTAGE 21

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
9047	9068	D			54	35	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
8:00	8:15	¼	RIG SERVICE + V.O.P.
8:15	9:30	1¼	FINISH RUNNING IN
9:30	10:00	½	BREAK CIR. & CLEAN FILL @ BOTTOM 10'
10:00	4:00	6	DRILL 8¾ HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		FT.
90	STANDS D.P.	8487.10	FT.
	SINGLES D.P.		FT.
19	D.C. 6¼ I.D. O.D.	568.32	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.	1.70	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	34.00	FT.
	TOTAL	9091	FT.
	WT. OF STRING	178,000	LBS.

BIT RECORD

BIT NO.	10
SIZE	8¾
MFG.	HW
TYPE	WO7
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	35803
DEPTH OUT	9091
DEPTH IN	9047
TOTAL FTG.	44
TOTAL HR. RUN	13¾
COND. OF BIT	0B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:30	8:00	10:00
WEIGHT	9.2	9.3	9.3
VISC.–SEC	70	68	60
W.L.–C.C.	9.8	9.6	9.8
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.

DRILLER: Brian Sadoway

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
9068	9091	D			54	36	1300	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
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. 54 DATE JAN 22, 72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKM6 ET AL TATE J-65

WELL NO.: J-65

FIELD OR DIST.:

COUNTY:

STATE: NWT

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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: Brian Ladoway

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#	24	1032		1028	790 CEMENT.

Approved — Oil and Gas Operations — Inuvik, N.W.T. — 182370 — A

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾		1¼
REAMING			
CONDITIONING MUD & CIRCULATING OR WORK TIGHT PIPE			1½
TRIPS			4½
LUBRICATE RIG	¼	1/4	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			
LAY DOWN OTHER SQ ARES			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 1/9

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 54

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
88	STANDS D.P.	8299.58	FT.
2	SINGLES D.P.	62.61	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. SQ I.D. O.D.	55.66	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.83	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	32.00	FT.
	TOTAL	9011	FT.

WT. OF STRING 180,000 LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	32795
DEPTH OUT	9011
DEPTH IN	8825
TOTAL FTG.	186
TOTAL HR. RUN	41½
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	58	62	65
W.L.-C.C.	9.2	9.0	8.8
FLTR. CK.	2/32	1/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2200#	CMC	150#
CAUSTIC	100#		
PELTEX	200#		

DRILLER: Brian Ladoway

FOOTAGE 30 — DR.-D RM.-R CORE.-C

FROM	TO	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.-S PART.EL-P COM'D-C
8981	9011	D.	FUEL 5½ FT.	54	35	1300	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8948.	12°							

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	DRILL 8¾" HOLE
1:30	2:30	1	SURVEY-8948 12°
2:30	8:00	5½	DRILL 8¾ HOLE
		8	

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
89	STANDS D.P.	9393.88	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. SQ I.D. O.D.	55.66	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.83	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	34.00	FT.
	TOTAL	9045	FT.

WT. OF STRING 181,000 LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	H.W.
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	32795
DEPTH OUT	
DEPTH IN	8825
TOTAL FTG.	220
TOTAL HR. RUN	49½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	11:00	3:30
WEIGHT	9.3	9.3	9.3
VISC.-SEC	65	65	64
W.L.-C.C.	8.4	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.
Caustic	100#		
PELTEX	200#		

DRILLER: Kane Tryhaa

FOOTAGE 341 — 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 SOL.-S PART.EL-P COM'D-C
9011	9045	D		54	35	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
800	815	¼	RIG SERVICE & CHECK B.O.P.'S
815	400	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
89	STANDS D.P.	8393.88	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. SQ I.D. O.D.	55.66	FT.
1	STB. BODY O.D.	5.50	FT.
1	STB. BODY O.D.	5.83	FT.
1	RMR. BODY O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	36.00	FT.
	TOTAL	9047	FT.

WT. OF STRING 182,000 LBS.

BIT RECORD

BIT NO.	9
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	8825
DEPTH OUT	9047
DEPTH IN	8825
TOTAL FTG.	222
TOTAL HR. RUN	50¾
COND. OF BIT	6-6-1
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 — 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 SOL.-S PART.EL-P COM'D-C
9045		D				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
400	415	¼	RIG SERVICE & B.O.P's
415	530	1¼	DRILL 8¾" HOLE
530	700	1½	TRIP OUT W/ BIT # 9
700	830	1½	BREAK CIR & WORK TIGHT PIPE
830	1130	3	HOIST BIT 49 (SLOWLY HIGH WIND)
1130	1200	½	BREAK & LAY DOWN REAMERS & SQ D.C's

APPROVED — APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 53 DATE JAN 21, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DERKMO ET AL TATE J-65

WELL NO. J-65 | FIELD OR DIST. | COUNTY | STATE: TEXAS

CONTRACTOR: Jennings International Drilling
A Division of Western Electronics & Engineering 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 Ludlow

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	REC'D TO CSLD HOG	SET AT	REMARKS
9⅞	NKK	36	24	1032		1028	CEMENT.
						1030	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¾	7¼
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 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON M. OR TRIPS SINCE LAST CUT

CUMULATIVE TON M. OR TRIPS

NO. OF DAYS FROM SPUD 53

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
87	STANDS D.P.	8205.02 FT.
2	SINGLES D.P.	63.07 FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. Sq I.D. O.D.	55.66 FT.
1	STB. EXT BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR G.B.	.70 FT.
		FT.
	KELLY DOWN	28.00 FT.
	TOTAL	8913 FT.
	WT. OF STRING 180 000 LBS.	

BIT RECORD	
BIT NO.	9
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	32795
DEPTH OUT	8913
DEPTH IN	8825
TOTAL FTG.	88
TOTAL HR. RUN	19¼
COND. OF BIT	0 3
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	2:00	4:00	6:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	68	67	65
W.L.-C.C.	7.8	8.4	8.8
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.

DRILLER: Brian Ladouceur

FOOTAGE 341 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
8879	8913	D		FUEL—7'	54	35	1300	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.
12:15	8:00	7¾	DRILL 8¾" HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
88	STANDS D.P.	8299.58 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. Squares I.D. O.D.	55.66 FT.
1	STB. EXT BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR G.B.	.70 FT.
		FT.
	KELLY DOWN	30.00 FT.
	TOTAL	8947 FT.
	WT. OF STRING 180,000 LBS.	

BIT RECORD	
BIT NO.	9
SIZE	8¾
MFG.	H.W.
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	32795
DEPTH OUT	
DEPTH IN	8825
TOTAL FTG.	122
TOTAL HR. RUN	27
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	8:00	1:00	3:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	6.5	64	65
W.L.-C.C.	8 4	8.2	8.2
FLTR. 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.
CAUSTIC	100		
PELTEX	200		

DRILLER: David Fryfogle

FOOTAGE 34 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
8913	8947	D			54	35	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
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	
88	STANDS D.P.	8299.58 FT.
1	SINGLES D.P.	30.92 FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.83 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR G.B.	.70 FT.
		FT.
	KELLY DOWN	34.00 FT.
	TOTAL	8981 FT.
	WT. OF STRING 190,000 LBS.	

BIT RECORD	
BIT NO.	9
SIZE	8¾
MFG.	HW
TYPE	X55R
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	32795
DEPTH OUT	8981
DEPTH IN	8825
TOTAL FTG.	156
TOTAL HR. RUN	34¾
COND. OF BIT	OB.
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6:00	8.00	10:00
WEIGHT	9.3	9.2	9.2
VISC.-SEC	60	55	50
W.L.-C.C.	8.4	9.8	10.2
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.

DRILLER: Brian Ladouceur

FOOTAGE 34 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 COMP'D-C
8947	8981	D			54	36	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
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. 52 DATE JAN 20, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DEEKMG ETAL TATE I-65	I-65			UTAH

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Lindsten

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	NKK	36	24	1032		1026	CEMENT.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		17	6¾
REAMING		1	
CONDITIONING MUD & CIRCULATING		1½	
TRIPS		1½	
LUBRICATE RIG		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

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 52

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		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.		9
SIZE		8¾
MFG.		HW
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		32795
DEPTH OUT		
DEPTH IN		8825
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 SOLID-S PARTEL-P COMP-C
8825				5½ FEET FUEL								

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	3:30	3¼	WORK ON DRWKS
3:30	4:00	½	RUN IN WITH BIT #9
4:00	4:30	½	BREAK CIR + DISPLACE DIESEL FUEL + MUD-STICK
4:30	6:00	1½	RUN IN W B.T #9
6:00	8:00	2	REAMING 60.60 TO 7500

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		FT.
87	STANDS D.P.	8205.02	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. SQUARES I.D. O.D.	55.66	FT.
1	STB. 6 7/8 BODY O.D.	5.50	FT.
1	STB. 3 PT BODY O.D.	5.83	FT.
1	RMR. 6 3/8 BODY O.D.	8.63	FT.
2	SUBS C/ O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	28.00	FT.
	TOTAL	8850	FT.

WT. OF STRING 180,000 LBS.

BIT RECORD

BIT NO.		9
SIZE		8 3/4
MFG.		H.W.
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		32795
DEPTH OUT		8850
DEPTH IN		8825
TOTAL FTG.		25
TOTAL HR. RUN		4¾
COND. OF BIT		03
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12:00	2:00	4:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	58	57	55
W.L.-C.C.	8.0	8.0	8.0
FLTR. CK.	1/32	2/32	4/32
PH	10	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000#	CELTEX	400#
DU-68	3 gal		
CAUST.	300#		

DRILLER Blaine Fayfas

FOOTAGE 25

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 SOLID-S PARTEL-P COMP-C
8825	8850	D			54	34	2?0	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 B.O.P'S
8:15	8:45	½	RUN IN W/ BIT #9
8:45	9:45	1	CLEAN BRIDGE @ 8000' TO 8100
9:45	10:45	1	FINISH IN HOLE + BREAK CIRC.
10:45	11:15	½	CIRC
11:15	4:00	4¾	DRILL 8¾ HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		FT.
87	STANDS D.P.	8205.02	FT.
1	SINGLES D.P.	31.69	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. SQ I.D. O.D.	55.66	FT.
1	STB. 6 7/8 BODY O.D.	5.50	FT.
1	STB. 3 PT BODY O.D.	5.83	FT.
1	RMR. 6 3/8 BODY O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	25.00	FT.
	TOTAL	8879	FT.

WT. OF STRING 180,000 LBS.

BIT RECORD

BIT NO.		9
SIZE		8¾
MFG.		HW
TYPE		X55R
NOZZLE	NO.	3
	SIZE	12
SER. NO.		32795
DEPTH OUT		8879
DEPTH IN		8825
TOTAL FTG.		54
TOTAL HR. RUN		11½
COND. OF BIT		03
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.3	9.2	9.2
VISC.-SEC	60	69	72
W.L.-C.C.	8.0	7.8	7.8
FLTR. CK	2/32	1/32	2/32
PH	10.0	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Sadoway

FOOTAGE 29

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 SOLID-S PARTEL-P COMP-C
8850	8879	D			54	35	1250	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8822	12°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SER. + CHK B.O.P'S
4:15	7:30	3¼	DRILL 8¾" HOLE
7:30	8:30	1	SURVEY @ 8822
8:30	12:00	3½	DRILL 8¾ HOLE.
		9	

APPROVED APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 51 — DATE JAN 19, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMG ET AL TATE 5-65	5-65			

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.

RIG NO.

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 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	24	1032		1032	100 SX CEMENT

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludwicki

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	1¼	2¼	
TRIPS			2¼
LUBRICATE RIG	¼	1/4	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			1¼
REPAIR RIG			2½
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER WORK STUCK PIPE	7¾	5½	1¾
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 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 51
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	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 Brian Sadoway

FOOTAGE FROM	FOOTAGE TO	DR. RM. 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. PAR. EL. P COM'D C
				FUEL 2½ 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
12:00	12:15	¼	RIG SERVICE
12:15	8:00	7¾	WORK STUCK PIPE STUCK AT 1678

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	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. 8 — SIZE 8 3/4 — MFG. H.W — TYPE J-55 — NOZZLE NO. 3 — NOZZLE SIZE 12 — SER. NO. JL 859 — DEPTH OUT 8825 — DEPTH IN 8048 — TOTAL FTG. 777 — TOTAL HR. RUN 130¼ — COND. OF BIT 7 11 — 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 Fryfogle

FOOTAGE FROM	FOOTAGE TO	DR. RM. 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. 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
7:00	8:15	1¼	RIG SERVICE
8:15	10:00	2 1/4	MIX 1000 gal DIESEL FUEL W/ 20 gal NO-STIK AND SPOT FLUID
10:30	4:00	5½	WORK STUCK PIPE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	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. 9 — SIZE 8 3/4 — MFG. H.W — TYPE XSSR — NOZZLE NO. 3 — NOZZLE SIZE 12 — SER. NO. 327951 — DEPTH OUT — DEPTH IN 8825 — 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	FOOTAGE TO	DR. RM. 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. PAR. EL. P COM'D C
8825												

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	6:00	1 3/4	WORK STUCK PIPE
6:00	7:30	1½	PULL OUT
7:30	8:15	¾	RUN IN WITH DCs.
8:15	9:30	1¼	CUT + SLIP 98 FEET DRILLING LINE
9:30	12:00	2½	WORK ON BRAKES

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 50 — DATE JAN 18/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMC ETAL TATE	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludwick

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
9⅞	N.K.K.	36#	24	1032		1028	190 SX CEMENT PLUS 2% CAL.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
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	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; TOM M. OR TRIPS SINCE LAST CUT; CUMULATIVE TOM M. OR TRIPS; NO. OF DAYS FROM SPUD 50; CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8112.25 FT.
1	SINGLES D.P.	31.50 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR [illegible]	.70 FT.
		FT.
	KELLY DOWN	23.83 FT.
	TOTAL	8785.00 FT.
WT. OF STRING	176,000 LBS.	

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JL839
DEPTH OUT	
DEPTH IN	8048
TOTAL FTG.	737
TOTAL HR. RUN	120¾
COND. OF BIT	6/6
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2 A.M.	4 A.M.	6 A.M.
WEIGHT	9.2	9.2	9.2
VISC.-SEC	54	52	50
W.L.-C.C.	10	10	10.4
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	2800#		
DV68	2 gal.		

DRILLER: Ed Bergum

FOOTAGE 38'

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 SOLIDS PANEL-P COMP-C
8747	8785	D		FUEL 5'	54	35m	1350	5½	58	5½		S

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	12¹²	¼	RIG SER
12¹²	8⁰⁰	7¾	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8112.25 FT.
2	SINGLES D.P.	63.08 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.00 FT.
	TOTAL	8821 FT.
WT. OF STRING	178,000 LBS.	

BIT RECORD

BIT NO.	8
SIZE	8½
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JL839
DEPTH OUT	8821
DEPTH IN	8048
TOTAL FTG.	773
TOTAL HR. RUN	128½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	48	52.	62
W.L.-C.C.	10.8	8.6	8.8
FLTR. 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	1600#	CAUSTIC	100#
DV68	2 GAL	PELTEX	200#
CMC	200#		

DRILLER: B. Sadoway

FOOTAGE 36

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 SOLIDS PANEL-P COMP-C
8785	8821	D			54	35	1350	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 8½" HOLE
		8	

NOTE D353 RPM LOADED @ 1110 RPM. EACH.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8112.25 FT.
2	SINGLES D.P.	63.08 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.00 FT.
	TOTAL	8825 FT.
WT. OF STRING	178,000 LBS.	

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JL839
DEPTH OUT	8825
DEPTH IN	8048
TOTAL FTG.	777
TOTAL HR. RUN	130¼
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00
WEIGHT	9.2
VISC.-SEC	63
W.L.-C.C.	8.7
FLTR. CK.	2/32
PH	10.5
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Diane Fryke

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOLIDS PANEL-P COMP-C
8821	8825	D			54	35	1300	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
4:15	6:00	1¾	DRILL 8½" HOLE
6:00	8⁰⁰	2	CIR HOLE
8⁰⁰	1200	4	TRIP OUT W/ BIT # 8

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 50 — DATE JAN 18/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKAC ETAL TATE
WELL NO: J-65
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Lindstrom

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
9⅞	N.K.K.	36#	24	1032.		1028.	190 SKS CEMENT PLUS ¾% CAL.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
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	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	50
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8112.25 FT.
1	SINGLES D.P.	31.50 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	1.0 FT.
		FT.
	KELLY DOWN	2383 FT.
	TOTAL	8786.00 FT.
WT. OF STRING	176,000 LBS.	

BIT RECORD

BIT NO.	8	
SIZE	8¾	
MFG.	H.W.	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JL839	
DEPTH OUT		
DEPTH IN	8048	
TOTAL FTG.	737	
TOTAL HR. RUN	120¾	
COND. OF BIT	0/8	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2 A.M.	4 A.M.	6 A.M.
WEIGHT	9.2	9.2	9.2
VISC.–SEC	54	52	50
W.L.–C.C.	10	10	10.4
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	2400#		
DV68	2 gal.		

DRILLER: Lad Gregum

FOOTAGE 38'

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 COMP.D–C
8147	8785	D		FUEL 5'	54	35m	1350	5½	58	5½		S

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	12¹²	¼	RIG SER
12¹²	8⁰⁰	7¾	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8112.25 FT.
2	SINGLES D.P.	63.08 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.00 FT.
	TOTAL	8821 FT.
WT. OF STRING	178,000 LBS.	

BIT RECORD

BIT NO.	8	
SIZE	8½	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JL839	
DEPTH OUT	8821	
DEPTH IN	8048	
TOTAL FTG.	773	
TOTAL HR. RUN	128½	
COND. OF BIT	OB	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.2	9.2	9.2
VISC.–SEC	48	52	62
W.L.–C.C.	10.8	8.6	8.6
FLTR. 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	1600#	CAUSTIC	100#
DV68	2 GAL	PELTEX	200#
CMC	200#		

DRILLER: B Ladouceur

FOOTAGE 36

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 COMP.D–C
8785	8821	D			54	35	1350	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 8½" HOLE
		8	

NOTE D353 RPM LOADED @ 1110 RPM. EACH.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8119.25 FT.
2	SINGLES D.P.	63.08 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.00 FT.
	TOTAL	8825 FT.
WT. OF STRING	178,000 LBS.	

BIT RECORD

BIT NO.	8	
SIZE	8¾	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JL839	
DEPTH OUT	8825	
DEPTH IN	8048	
TOTAL FTG.	777	
TOTAL HR. RUN	130¼	
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00
WEIGHT	9.2
VISC.–SEC	63
W.L.–C.C.	8.4
FLTR. CK	2/32
PH	10.5
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Fryke

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
8821	8825	D			54	35	1310	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
4:15	6:00	1¾	DRILL 8½" HOLE
6:00	8⁰⁰	2	CIR HOLE
8⁰⁰	12⁰⁰	4	TRIP OUT W/ BIT # 8

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 49 — DATE JAN 17/72

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKMC ETAL TATE
SEC. NO. 5-65 | FIELD OR DIST. | COUNTY | STATE: ALBERTA

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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: Jon Lukasewich

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	D7500	16
2.	EMSCO	DA500	16
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RE-RUN TO CSG. HD.	REMARKS
9⅝	N.K.K	36#	24	1032		1098' 750 SKS CEMENT 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN	¼	7¾	6¾
DRILLING ACTUAL			
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. NO/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 49
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8017.89 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 6¼ I.D. O.D.	55.66 FT.
1	STB. 6¼ BODY O.D.	5.50 FT.
1	STB. 6¼ BODY O.D.	5.83 FT.
1	RMR. 6¼ BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	8616.00 FT.
WT. OF STRING		174,000 LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	J1834
DEPTH OUT	
DEPTH IN	8048
TOTAL FTG.	628
TOTAL HR. RUN	98½
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	65	53	52
W.L.-C.C.			10
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.
C.M.C	50#		

DRILLER: Ted Bergum

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
8635	8676	D		FUEL	54	90	1250	5½	58	5½		S

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	2:00	1¾	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
85	STANDS D.P.	8017.89 FT.
2	SINGLES D.P.	62.73 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. S& I.D. O.D.	55.66 FT.
1	STB. 6¼ BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	15.00 FT.
	TOTAL	8713 FT.
WT. OF STRING		174,000 LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	J1839
DEPTH OUT	8713
DEPTH IN	8048
TOTAL FTG.	665
TOTAL HR. RUN	106¼
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	126	154	115
W.L.-C.C.	10.8	10.2	10.6
FLTR. CK.	3/32	3/32	3/32
PH	10.0	10.5	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KEL	2000	PELTEX	400
CAUSTIC	200	CMC	100
DUG	26 BAGS		

DRILLER: Brian Sadoway

FOOTAGE 37

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 COMP'D-C
8676	8713				54	40	1350	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 8½" HOLE
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
86	STANDS D.P.	8112.25 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
	D.C. I.D. O.D.	55.66 FT.
1	STB. 6¼ BODY O.D.	5.50 FT.
1	STB. 6PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
1	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	1733 FT.
	TOTAL	8747.00 FT.
WT. OF STRING		174,000 LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	J2439
DEPTH OUT	
DEPTH IN	8048
TOTAL FTG.	699
TOTAL HR. RUN	113
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	11:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	135	90	55
W.L.-C.C.	10.8	12.0	10.2
FLTR. CK	3/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	400#		
CAUSTIC	100#		
CMC	100#		

DRILLER: Ted Bergum

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 COMP'D-C
8713	8747	D			54	40	1350	5½	58	5½		
						35M						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8707	1¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE CHECK ENGINE K.L.L. O.K.
4:15	9:15	5	DRILL 8½" HOLE
9:15	10:15	1	SURVEY @ 8707
10:15	12:00	1¾	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 48 — DATE JAN 16/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKING ETAL TATE	J 65			N.W.T

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 3, SIZE 4½ — TOOL JOINT 6¼ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Turbasewich

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	N.K.K	36#	24	1032		1028	290 SKS CEMENT
							PLUS 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7	11¼
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 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 48	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
84	STANDS D.P.	1922.33	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 9¼ I.D. O.D.	55.66	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.83	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	1525	FT.
	TOTAL	8556.00	FT.
WT. OF STRING		174.000	LBS.

BIT RECORD

BIT NO.	8	
SIZE	8¾	
MFG.	H.W.	
TYPE	J55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	J1839	
DEPTH OUT		
DEPTH IN	8048	
TOTAL FTG.	508	
TOTAL HR. RUN	15	
COND. OF BIT	0/8	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	5:00 A.M.	10:00 A.M.
WEIGHT	9.4	9.4	9.4
VISC.-SEC	51	49	62
W.L.-C.C.	4.8		8.6
FLTR. CK.	2/32	2/32	2/32
PH	10	10	10
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3600#	CAUSTIC	100#
DV68	3 gal.	PELTEX	200#

DRILLER: Ted Begrum

FOOTAGE 48'

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 SOL.-S PART.EL-P COM.D.C
8508	8556			FUEL TANK	54	40M	1350	5½	58	5½		5

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	12¹²	¼	RIG SER.
12¹²	8⁰⁰	7¾	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
84	STANDS D.P.	792333	FT.
1	SINGLES D.P.	31.66	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 9¼ I.D. O.D.	55.66	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.83	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	25.00	FT.
	TOTAL	8597	FT.
WT. OF STRING		174,000	LBS.

BIT RECORD

BIT NO.	8	
SIZE	8¾	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JL839	
DEPTH OUT	8597	
DEPTH IN	8048	
TOTAL FTG.	549	
TOTAL HR. RUN	8 2	
COND. OF BIT	0 3	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	56	54	70
W.L.-C.C.	9.2	8.8	9.4
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.
CAUSTIC	200#		

DRILLER: Brian Ladaway

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 SOL.-S PART.EL-P COM.D.C
8556	8597	D			54	40	1350	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8540	10½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOP
8:15	12:15	4	DRILL 9¼" HOLE
12:15	1:00	¾	SURVEY 8540 - 10½°
1:00	4:00	3	DRILL 8¾" HOLE

CHANGED 8¼ DYNATOR & CARTRIDGE IN AIR SYSTEM

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
84	STANDS D.P.	1923.33	FT.
2	SINGLES D.P.	63.15	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 9¼ I.D. O.D.	55.66	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.83	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	30.10	FT.
	TOTAL	8636.00	FT.
WT. OF STRING		174,000	LBS.

BIT RECORD

BIT NO.	8	
SIZE	8¾	
MFG.	H.W.	
TYPE	J55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JL839	
DEPTH OUT		
DEPTH IN	8048	
TOTAL FTG.	587	
TOTAL HR. RUN	89¼	
COND. OF BIT	0/8	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	10⁰⁰
WEIGHT	9.4	9.4	9.4
VISC.-SEC	70	72	9.4
W.L.-C.C.	9.6		
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.

DRILLER: Ted Begrum

FOOTAGE 38'

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 SOL.-S PART.EL-P COM.D.C
8597	8635	D			54	40	1350	5½	58	5½		5

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	12⁰⁰	7¾	DRILL 8¾" HOLE

STP KEMAL

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 47 — DATE JAN 15/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING ETAL TATE — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lubasewich

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	N.K.K	36#	24	1032		1038	790 SKS CEMENT PLUS 2% CAL.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	11¾	7	11¾
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 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 47	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
82	STANDS D.P.	7734.95	FT.
1	SINGLES D.P.	31.46	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 9 I.D. O.D.	55.66	FT.
1	STB. BODY O.D.	5.50	FT.
1	STB. BODY O.D.	5.83	FT.
1	RMR. BODY O.D.	8.63	FT.
2	SUBS O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	26.17	FT.
	TOTAL	8410.09	FT.
WT. OF STRING	174.000		LBS.

BIT RECORD		
BIT NO.	8	
SIZE	8¾	
MFG.	H.W	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	J1839	
DEPTH OUT		
DEPTH IN	8048	
TOTAL FTG.	362'	
TOTAL HR. RUN	52¼	
COND. OF BIT	0/8	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	2.A.M	4.A.M	6.A.M.
WEIGHT	9.4	9.4	9.4
VISC.–SEC	60	56	54
W.L.–C.C.	8.4	8.4	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	30 SKS		
DV-68	3 GALS		

DRILLER Ted Bergum

FOOTAGE 62'

FROM	TO	DR–O 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
8348	8410	D		FUEL 1'	54	40M	1350	5½	58	5½		S

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	12³⁰	¼	RIG SER.
12³⁰	8⁰⁰	7¾	DRILL 8¾ HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
83	STANDS D.P.	7828.66	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 9 I.D. O.D.	55.66	FT.
1	STB. BODY O.D.	5.50	FT.
1	STB. BODY O.D.	5.83	FT.
1	RMR. BODY O.D.	8.63	FT.
2	SUBS O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	12.00	FT.
	TOTAL	8458	FT.
WT. OF STRING	174000		LBS.

BIT RECORD		
BIT NO.	8	
SIZE	8¾	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	J1839	
DEPTH OUT	8458	
DEPTH IN	8048	
TOTAL FTG.	410	
TOTAL HR. RUN	59½	
COND. OF BIT	0.13.	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	8:30	12:00	2.00
WEIGHT	9.4	9.4	9.4
VISC.–SEC	64	67	65
W.L.–C.C.	8.4	8.6	8.6
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.
CAUSTIC	100		

DRILLER Brian Hathaway

FOOTAGE 48'

FROM	TO	DR–O 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
8410	8458	D			54	40	1350	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8414	10°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK BOPS + (REMOTE OK 9L.
8:15	3:00	6¾	DRILL 8¾" HOLE
3:00	3:45	¾	SURVEY @ 8414
3:45	4:00	¼	DRILL 8¾" HOLE

8

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
83	STANDS D.P.	7828.66	FT.
1	SINGLES D.P.	31.60	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 9 I.D. O.D.	55.66	FT.
1	STB. BODY O.D.	5.50	FT.
1	STB. BODY O.D.	5.83	FT.
1	RMR. BODY O.D.	8.63	FT.
2	SUBS O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	30.32	FT.
	TOTAL	8508.00	FT.
WT. OF STRING	174,000		LBS.

BIT RECORD		
BIT NO.	8	
SIZE	8¾	
MFG.	HW	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	J1839	
DEPTH OUT		
DEPTH IN	8048	
TOTAL FTG.	460'	
TOTAL HR. RUN	61¼	
COND. OF BIT	0/5	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	6:00	8:00	10⁰⁰
WEIGHT	9.4	9.4	9.4
VISC.–SEC	55	53	53
W.L.–C.C.		9.8	
FLTR. CK		2/32	2/32
PH		10	10.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ted Bergum

FOOTAGE 50'

FROM	TO	DR–O 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
8458	8508	D			54	40	1350	5½	58	5½		5

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
4³⁰	12⁰⁰	7¾	DRILL 8¾" HOLE

SEP 12 1972

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 46 — DATE JAN 14/72

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMC ETAL TATE — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

SIGNATURE OF OPERATOR'S REPRESENTATIVE — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lubasewich

DRILL PIPE STRING: NO. 28, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. X.H.

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	N.K.K.	36#	24	1032		1028	790 SKS CEMENT Plus 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	7¾	6¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¾		1
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG	¾		
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 46

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
80	STANDS D.P.	7547.96 FT.
2	SINGLES D.P.	62.65 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 O.D.	55.66 FT.
1	STB. EZ BODY 6 O.D.	5.50 FT.
1	STB. 3PT BODY 8 O.D.	5.83 FT.
1	RMR. 6PT BODY 8 O.D.	8.63 FT.
2	SUBS C.O. O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	11.97 FT.
	TOTAL	8240.00 FT.
WT. OF STRING	172,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	H.W.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JL839
DEPTH OUT	
DEPTH IN	80.48
TOTAL FTG.	182
TOTAL HR. RUN	30¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

	2 A.M.	4 A.M.	6 A.M.
TIME			
WEIGHT	9.4	9.4	9.4
VISC.-SEC	68	68	63
W.L.-C.C.	7.6	7.6	7.4
FLTR. CK.	2/32	2/32	2/32
PH	10	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DVG8	3 gal.		
CAUSTIC	100 lb		

DRILLER Ted Bergum

FOOTAGE 41

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 SOL.-S PAR.EL-P COM'D-C
8199	8240	D		FUEL - 4'	54	40m	1350	5½	58	5½		5

DEVIATION RECORD: DEPTH 8174' DEV. 8¼° — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SER.
12¹⁵	1¹⁵	1	DRILL 8¾ HOLE
1¹⁵	2⁰⁰	¾	SURVEY @ 8174'
9²⁰	2¹⁵	¾	WORK ON BWKS.
2¹⁵	9⁰⁷	5¼	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
81	STANDS D.P.	7640.63 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. EZ BODY 6 O.D.	5.50 FT.
1	STB. 3PT BODY 8 O.D.	5.83 FT.
1	RMR. 6PT BODY 8 O.D.	8.63 FT.
2	SUBS C.O. O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	39.00 FT.
	TOTAL	8297 FT.
WT. OF STRING	174,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JL839
DEPTH OUT	8297
DEPTH IN	8048
TOTAL FTG.	249
TOTAL HR. RUN	38
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

	10:00	12:00	2:00
TIME			
WEIGHT	9.5	9.5	9.5
VISC.-SEC	58	54	60
W.L.-C.C.	8.2	8.2	8.4
FLTR. CK.	3/32	3/32	1/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3200	DVG8	3 GAL
CAUSTIC	100		
POLYPAC	200		

DRILLER Brian Sadoway

FOOTAGE 57

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHC : 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 SOL.-S PAR.EL-P COM'D-C
8240	8297	D			54	42	1350	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.		
81	STANDS D.P.	7640.63 FT.
2	SINGLES D.P.	63.15 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. EZ BODY 6 O.D.	5.50 FT.
1	STB. 3PT BODY 8 O.D.	5.83 FT.
1	RMR. 6PT BODY 8 O.D.	8.63 FT.
2	SUBS C.O. O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	26.80 FT.
	TOTAL	8348.00 FT.
WT. OF STRING	174,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JL839
DEPTH OUT	
DEPTH IN	8048
TOTAL FTG.	300
TOTAL HR. RUN	44¾
COND. OF BIT	O/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

	6:00	8	10:00
TIME			
WEIGHT	9.5	9.4	9.4
VISC.-SEC	58	62	61
W.L.-C.C.	8.4	8.4	9.4
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.

DRILLER Ted Bergum

FOOTAGE 61'

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 SOL.-S PAR.EL-P COM'D-C
8297	8348	D			54	42m	1350	5½	59	5½		5

DEVIATION RECORD: DEPTH 8300' DEV. 9¼° — 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	8¹⁵	4	DRILL 8¾" HOLE
8¹⁵	9¹⁵	1	SURVEY @ 8300'
9¹⁵	12⁰⁰	2¾	DRILL 8¾" HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 45 — DATE JAN 13/82

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMO ETAL TATE

WELL NO. J-65 | FIELD OR DIST. | COUNTY | STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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: [illegible]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lukasewich

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	M.K.	36#	24	1032		1028	790 SKS CEMENT PLUS 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	9		9¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	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

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	45
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
79	STANDS D.P.	7453.16 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.83 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	31.42 FT.
	TOTAL	8102. FT.
	WT. OF STRING	172 000 LBS.

BIT RECORD

BIT NO.		8
SIZE		8¾
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J 839
DEPTH OUT		
DEPTH IN		8048
TOTAL FTG.		54
TOTAL HR. RUN		8¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2 A.M.	4 A.M.	6 A.M.
WEIGHT	9.4	9.4	9.4
VISC.-SEC	59	58	55
W.L.-C.C.	[illegible]		
FLTR. CK.	2/32		
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Jed Bergum

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COMP'D-C
8058	8102	D			54	38m	1350	5½	58	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8048'	8¼°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SER.
12¹⁵	3¹⁵	3	DRILL 8¾ HOLE
3¹⁵	4⁰⁰	¾	SURVEY @ 8048'
4⁰⁰	8⁰⁰	4	8¾ HOLE DRILL.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
79	STANDS D.P.	7453.16 FT.
2	SINGLES D.P.	63.25 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3 PT BODY O.D.	5.83 FT.
1	RMR. 6 PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	17.00 FT.
	TOTAL	8151 FT.
	WT. OF STRING	172,000 LBS.

BIT RECORD

BIT NO.		8
SIZE		8¼
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J 839
DEPTH OUT		8151
DEPTH IN		8048
TOTAL FTG.		93
TOTAL HR. RUN		16¼
COND. OF BIT		0.B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	63	58	57
W.L.-C.C.	7.8	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	3500		
1			

DRILLER: Bruce 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 PART'L-P COMP'D-C
8102	8151	D			54	38m	1250	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.		
80	STANDS D.P.	7541.96 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.83 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.89 FT.
	TOTAL	8199 FT.
	WT. OF STRING	172 000 LBS.

BIT RECORD

BIT NO.		8
SIZE		8¾
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J 839
DEPTH OUT		
DEPTH IN		8048
TOTAL FTG.		141
TOTAL HR. RUN		24
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8⁰⁰	10⁰⁰
WEIGHT	9.5	9.4	9.4
VISC.-SEC	54	63	68
W.L.-C.C.	8.4	7.4	7.6
FLTR. 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	3100#		

DRILLER: Jed Bergum

FOOTAGE 48'

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 COMP'D-C
8151	8199	D			54	38m 40m	1350	5½	58	5½		S

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
4¹⁵	12⁰⁰	7¾	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 44 — DATE JAN 12/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMO ET-AL TATE	J-65			N.W.T

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2 SIZE 5" — TOOL JOINT 6¼ O.D. — TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H.R. McLean

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Richardson

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	N.K.K	36#	24	1032		1028	790 SKS CEMENT Plus 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	11¼	½	11½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		4¼	3
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			1¼
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER REAMING		1	2
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	98'
FEET CUT OFF	98'
PRESENT LENGTH	1280'
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.		
98	STANDS D.P.	7358.23 FT.
1	SINGLES D.P.	31.87 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. BODY EZV O.D.	5.50 FT.
1	STB. BODY 3PT O.D.	5.83 FT.
1	RMR. BODY 6PT O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	37.48 FT.
	TOTAL	8045.00 FT.
WT. OF STRING	172.000	LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W.
TYPE		J55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J5839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		1426
TOTAL HR. RUN		185¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1A.M.	4A.M.	7A.M.
WEIGHT	95	9.4	9.4
VISC.-SEC	52	63	62
W.L.-C.C.	8.6	8.6	
FLTR. CK.	7/32	7/32	
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3000#		
DV68	3GALS.		

DRILLER: Ted Bergum

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
7986	8045	D			54	37m	1350	5½	58	5½		S

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	12¹³	¼	RIG SER.
12¹³	8⁰⁰	19¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
98	STANDS D.P.	7358.23 FT.
1	SINGLES D.P.	31.87 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.83 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	8048 FT.
WT. OF STRING	172,000	LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		HW
TYPE		J55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J5839
DEPTH OUT		8048
DEPTH IN		6620
TOTAL FTG.		1428
TOTAL HR. RUN		186
COND. OF BIT		511
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:00		
WEIGHT	9.4		
VISC.-SEC	62		
W.L.-C.C.	8.1		
FLTR. CK.	3/32		
PH	10.5		
SD. CONT. %			
PRESSURE GRADIENT			

TRIP 2 IN 16

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Sadoway

FOOTAGE 3

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 PART'L-P COM'D-C
8045	8048											

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	8:45	½	DRILL 8¾" HOLE
8:45	10⁰⁰	1 1/4	HOIST BIT #7
10⁰⁰	11⁰⁰	1	PUMP OUT 2 SINGLES @6620 - 6650
11⁰⁰	2⁰⁰	3	FINISH HOIST BIT TITE @ 1800
2⁰⁰	4⁰⁰	2	TURN PINS IN 6PT & 3 PT. DRILCO REAMERS & SERVICE TOOLS - CHECK BLIND RAMS

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
98	STANDS D.P.	7358.23 FT.
2	SINGLES D.P.	63.41 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. BODY EZV O.D.	5.50 FT.
1	STB. BODY 3PT O.D.	5.83 FT.
1	RMR. BODY 6PT O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	1794.6 FT.
	TOTAL	8058 FT.
WT. OF STRING	172,000	LBS.

BIT RECORD

BIT NO.		8
SIZE		8¾
MFG.		HW
TYPE		5-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		52839
DEPTH OUT		
DEPTH IN		8048
TOTAL FTG.		10
TOTAL HR. RUN		1¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME			11PM
WEIGHT			9.4
VISC.-SEC			58
W.L.-C.C.			7.8
FLTR. CK			7/32
PH			10.5
SD. CONT. %			
PRESSURE GRADIENT			

TRIP 2 IN 16

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ted Bergum

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. 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
8048	8058	D			54	30m	1350	5½	58			S

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	4¹³	¼	RIG SERVICE
4:15	6:00	1¾	SLIP & CUT 98' DRLG LINE
6:00	8⁰⁰	2	RUN IN WITH BIT #8
8⁰⁰	10³⁰	1½	BREAK CIRC & CLEAN 90' FILL
10³⁰	12⁰⁰	1½	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 JAN 11, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECHMG ET AL TATE — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE NWT

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE: M R Nelson — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lukasewich

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	24	1032		1028	790 SK CEMENT
							290 CA.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	9¾	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	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	43
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
76	STANDS D.P.	7191.54 FT.
2	SINGLES D.P.	62.36 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	37.68 FT.
	TOTAL	1889.00 FT.
WT. OF STRING	170.000 LBS.	

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		HW
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS-839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		1269
TOTAL HR. RUN		163
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	4.00	4.00	7.00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	65	1.6	58
W.L.-C.C.	7		7.8
FLTR. CK.	2/32		4/32
PH	10	11	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
PELTEX	200#		

DRILLER Ted Berjum

FOOTAGE 56'

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
7833	7889	D		FUEL 3½'	54	37	1400	5½	58	5½		5

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	9¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
77	STANDS D.P.	7263.35 FT.
1	SINGLES D.P.	31.10 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	26.00 FT.
	TOTAL	7940 FT.
WT. OF STRING	170,000 LBS.	

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		HW
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS839
DEPTH OUT		7940
DEPTH IN		6620
TOTAL FTG.		1320
TOTAL HR. RUN		17 0
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.00	11.00	3:00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	54	50	52
W.L.-C.C.	8.4	9.4	8.2
FLTR. CK.	7/32	7/32	7/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3400#	PELTEX	200#
DV68	3 GAL	CMC	100#
CAUSTIC	100#		

DRILLER Brian Ladoway

FOOTAGE 51

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
7889	7940	D			54	37	1350	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7880	8½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8.15	¼	RIG SERVICE + CHECK BOPs
8.15	1:00	4¾	DRILL 8¾" HOLE
1:00	1:45	¾	SURVEY at 7880 - 8½°
1:45	4:00	2¼	DRILL 8¾" HOLE.
			NOTE CHANGED SHAKER SCREEN 30 x 20 MESH

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
77	STANDS D.P.	7265.35 FT.
2	SINGLES D.P.	62.60 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	7946.00 FT.
WT. OF STRING	170.000 LBS.	

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		HW
TYPE		3 55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS 839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		1366
TOTAL HR. RUN		17 7¼
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8 00	10 00
WEIGHT		9.5	9.5
VISC.-SEC		54	56
W.L.-C.C.			8.6
FLTR. CK			2/32
PH		10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	400#	GEL	2800#
PELTEX	800#	DV68	3 GAL

DRILLER Ted Berjum

FOOTAGE 46'

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
7940	7986	D			54	37	1350	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
4.0	4:15	¼	RIG SERVICE
4			DRILL 8¾" HOLE

STOP 1st MAL

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 42 — DATE Jan. 10/72

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DECHI	CANDEL Dickmc et al TATE J-65	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Lindbergh

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	NKK	36#	24	1032		1028	T.O.C. Surf
							2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		17¼	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1¼		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	

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	42
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
75	STANDS D.P.	7077.36 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. SQUARES I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. Spt BODY O.D.	5.82 FT.
1	RMR. Spt BODY O.D.	8.63 FT.
2	SUBS 6 5/0 O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.00 FT.
	TOTAL	7729 FT.
WT. OF STRING	169,000 LBS.	

BIT RECORD

BIT NO.	7	
SIZE	8 3/4	
MFG.	H.W.	
TYPE	J-55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JS-839	
DEPTH OUT		
DEPTH IN	6620	
TOTAL FTG.	1117	
TOTAL HR. RUN	140½	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1.00	4.30	(.30
WEIGHT	9.4+	9.4	"
VISC.-SEC	50	59	"
W.L.-C.C.	4.	-	"
FLTR. CK.	2/32	2/32	"
PH	10.5	10.	"
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2800#	PELTEX	100#
DV-68	3 gal		
CAUSIC	50#		

DRILLER Dave Fryfogle

FOOTAGE 47 — 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C
7680	7727	D	FUEL SEPT	54	37	1300	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7664	8 1/4°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼	Rig Service & V Belts
12.15	3.15	3	Drill 8 3/4" Hole
3.15	4.30	1 1/4	Survey @ 7664 — 8 1/4°
4.30	8.00	3½	Drill 8 3/4" Hole

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
75	STANDS D.P.	FT.
2	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. SQUARES I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. Spt BODY O.D.	5.82 FT.
1	RMR. Spt BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	1965. FT.
	TOTAL	7777.00 FT.
WT. OF STRING	170.000 LBS.	

BIT RECORD

BIT NO.	7	
SIZE	8 3/4	
MFG.	H.W.	
TYPE	J55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JS839	
DEPTH OUT		
DEPTH IN	6620	
TOTAL FTG.	1157	
TOTAL HR. RUN	148¼	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9.00	1.00	3.00
WEIGHT	9.4	9.5	9.6
VISC.-SEC	53	52	60
W.L.-C.C.	9	9.2	9.4
FLTR. CK.	4/32	2/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3800	DV68	
PELTEX	100		
CAUSTIC	50		

DRILLER Lee Bergum

FOOTAGE 50' — 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C
7727	7777	D		57	37m	1300	5½	58	5½		S

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 Ser
8.15	4.00	7¾	Drill 8¾ Hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
76	STANDS D.P.	7171.54 FT.
1	SINGLES D.P.	31.28 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. Spt BODY O.D.	5.82 FT.
1	RMR. Spt BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	13.00 FT.
	TOTAL	7833 FT.
WT. OF STRING	170,000 LBS.	

BIT RECORD

BIT NO.	7	
SIZE	8¾	
MFG.	H.W.	
TYPE	J55	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	JS839	
DEPTH OUT	7833	
DEPTH IN	1620	
TOTAL FTG.	1213	
TOTAL HR. RUN	155¼	
COND. OF BIT	O.B.	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6.00	8:00	10.00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	51	52	67
W.L.-C.C.	9.8	9.8	7.6
FLTR. CK	2/32	2/32	2/32
PH	10.0	10.0	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000	CAUSTIC	100
DV68	36¾	CMC	100
PELTEX	200		

DRILLER Dean Sadoway

FOOTAGE 56 — 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C
7777	7833	D		55	37	1400	5½	58	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7757	9°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Ser
4.15	6.30	2¼	Drill 8¾ Hole
6.30	7.15	¾	Survey at 7757
7.15	12.00	4¾	Drill 8¾" Hole

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 41 — DATE January 9 1972

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKMC et al TATE
WELL NO.: J-65+
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludlow

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	Wilk	36#	24	1032		1028	790 sks Cement
							2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	8¾	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			½
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 41
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
73	STANDS D.P.	FT.
1	SINGLES D.P.	6920.15 FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. 6¼ I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. 3 pt BODY O.D.	5.82 FT.
1	RMR. 6 pt BODY O.D.	8.63 FT.
2	SUBS c/o O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	35.00 FT.
	TOTAL	7592 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.		JS-839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		962
TOTAL HR. RUN		11 9¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12⁰⁰	2:30	7⁰⁰
WEIGHT	9.4	9.4+	9.4
VISC.-SEC	60	58	56
W.L.-C.C.	8	8.1	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.

DRILLER: Lloyd Frykas

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 TOOLS PARTIC. P COMPOS.
7592	7572	D		FUEL — 6½'	54	36	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
12⁴⁵⁰	12¹⁵	¼	RIG SER. & ✓ B.O.P.'s
12¹⁵	8⁰⁰	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
94	STANDS D.P.	6983.31 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5½ I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. 3 pt BODY O.D.	5.82 FT.
1	RMR. 6 pt BODY O.D.	8.66 FT.
1	SUBS c/o O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	27.00 FT.
	TOTAL	1027.00 FT.
WT. OF STRING		160.000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W.
TYPE		J55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		1017
TOTAL HR. RUN		12¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9A.M	1:00 P.M	3 P.M
WEIGHT	9.6	9.5	9.5
VISC.-SEC	58	56	55
W.L.-C.C.	9.4	9.4	9.2
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.

DRILLER: Ted Bergum

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 TOOLS PARTIC. P COMPOS.
7592	7627	D			54	36	1350	5½	58	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7547	8¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SER & B.O.P's
8¹⁵	8⁴⁵	1	DRILL 8¾ HOLE
8⁴⁵	9³⁰	¾	SURVEY
9³⁰	4⁰⁰	6½	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
74	STANDS D.P.	FT.
2	SINGLES D.P.	7046.01 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5½ I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. 3 pt BODY O.D.	5.82 FT.
1	RMR. 6 pt BODY O.D.	8.63 FT.
2	SUBS c/o O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	17.00 FT.
	TOTAL	7680 FT.
WT. OF STRING		168,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS-839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		1060
TOTAL HR. RUN		13¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME		8⁰⁰	10⁰⁰
WEIGHT		9.4+	9.4+
VISC.-SEC		61	57
W.L.-C.C.		9.1	9.0
FLTR. CK		2/32	2/32
PH		10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Frykas

FOOTAGE 53'

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 TOOLS PARTIC. P COMPOS.
7627	7680	D			54	37		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 SER
4¹⁵	8³⁰	4¼	DRILL 8¾ HOLE
8³⁰	9⁰⁰	½	WORK ON Hydromatic
9⁰⁰	12⁰⁰	3	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 40 — DATE January 8, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL Deckmc et al TATE

WELL NO.: J-65 — FIELD OR DIST. — COUNTY — STATE: N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Lechuba

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	NKK	36#	24	1032		1028	290 sx Class A + 2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7	7¾	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¾		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

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 M. OR TRIPS SINCE LAST CUT

CUMULATIVE TON M. OR TRIPS

NO. OF DAYS FROM SPUD 40

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
71	STANDS D.P.	6701.12 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. SQ. I.D. O.D.	55.66 FT.
1	STB. BODY E2Y O.D.	5.50 FT.
1	STB. BODY 3P7 O.D.	5.82 FT.
1	RMR. BODY 6 P8 O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
	BIT OR ~~SUB~~.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	7359. FT.

WT. OF STRING 165,000 LBS.

BIT RECORD

BIT NO.	~~#6~~ 7
SIZE	8 3/4
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JS-839
DEPTH OUT	6620
DEPTH IN	~~7290~~
TOTAL FTG.	749
TOTAL HR. RUN	97¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	100	300	630
WEIGHT	9.3	9.4	9.4
VISC.-SEC	58	57	56
W.L.-C.C.	8.2	9.2	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.
Peltex	200#		
Caustic	100#		

DRILLER: David Fujkaa

FOOTAGE 67'

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 PART.-P COMP.-C
7292	7359	D			54	35A	1300	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7319	9¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SERVICE & V BOPs
12¹⁵	7¹⁵	7	DRILL 8¾" HOLE
7¹⁵	8⁰⁰	¾	SURVEY @ 7319

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
71	STANDS D.P.	6701.12 FT.
2	SINGLES D.P.	62.11 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ. I.D. O.D.	55.66 FT.
1	STB. BODY EZY O.D.	5.50 FT.
1	STB. BODY 3P7 O.D.	5.82 FT.
1	RMR. BODY 6 P8 O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
	BIT OR ~~SUB~~.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	7421.00 FT.

WT. OF STRING 164,000 LBS.

BIT RECORD

BIT NO.	~~#6~~ 7
SIZE	8¾
MFG.	HW.
TYPE	J55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JS839
DEPTH OUT	6620
DEPTH IN	~~7290~~
TOTAL FTG.	811
TOTAL HR. RUN	105
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	12⁰⁰	3⁰⁰
WEIGHT	9.5	9.5	9.5
VISC.-SEC	58	55	56
W.L.-C.C.	8.6	8.6	
FLTR. CK.	7/32	7/32	7/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ted Bergum

FOOTAGE 62'

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 PART.-P COMP.-C
7359	7421	D			54	36	1300	5½	58	5½		S

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 SER
8¹⁵	4⁰⁰	7¾	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
72	STANDS D.P.	FT.
2	SINGLES D.P.	6857.11 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARES I.D. O.D.	55.66 FT.
1	STB. BODY E2Y O.D.	5.50 FT.
1	STB. BODY 3P7 O.D.	5.82 FT.
1	RMR. BODY 6 P8 O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
	BIT OR ~~SUB~~.	.70 FT.
		FT.
	KELLY DOWN	19.50 FT.
	TOTAL	7492 FT.

WT. OF STRING 165,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW.
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JS-839
DEPTH OUT	
DEPTH IN	6620
TOTAL FTG.	882
TOTAL HR. RUN	112
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5⁰⁰	8⁰⁰	
WEIGHT	94	94	
VISC.-SEC	55	50	
W.L.-C.C.		8.1	
FLTR. CK	7/32	7/32	
PH	10.5	10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50		Gel
Peltex	100#		
DD	2 gal		

DRILLER: Dave Fujkaa

FOOTAGE 71'

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 PART.-P COMP.-C
7421	7492	D			54	35	1300	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7444	8°4°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SER
4¹⁵	10²²	5 3/4	DRILL 8¾" HOLE
10²²	10⁴⁵	¾	SURVEY @ 7444 — 6°4°
10⁴⁵	12⁰⁰	1¼	DRILL 8¾" HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 39 — DATE January 7, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DECHI	CANDEL Deckma et al TATE	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Luchuk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	DA 500	
2	EMSCO	DA 500	

LAST CASING / TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	NKK	36#	24	1032		1028	790 sks Cement
							2% KCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			3¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3¾	4¼	2¾
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		2¼	
OTHER	4	¼	4¼
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	89
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: Wavid Frykas

FOOTAGE

FROM	TO
7285	

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.P.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
12⁰⁰	12¹⁵	¼	RIG SERVICE + CHECK BOP'S
12¼	2³⁰	2¼	HOIST D.P. W/ B TEST (STRAP OUT.)
2³⁰	6³⁰	4	MAKE UP DST #4
6³⁰	8⁰⁰	1½	RUN IN W/ DST #4
			DST #4 7200 - 7280
			IF 12" 421-30" TOOL Init 2 710
			ISI 60" Minutes HOLD Shut In 2 710
			FHT = 183° F

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: Ted Bergum

FOOTAGE

FROM	TO
7285	

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.P.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 SER & BOP'S
8¹⁵	9³⁰	1¼	FINISH IN W/ D.S.T. #4
9³⁰	10⁰⁰	½	MAKE UP TESTING HEAD
10⁰⁰	12³⁰	2½	TESTING
12³⁰	1⁰⁰	½	LAY DOWN HEAD + PULL PACKER LOOSE
1⁰⁰	4⁰⁰	3	PULL D.S.T. #4 (SLOW)

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
20	STANDS D.P.		FT.
2	SINGLES D.P.	6637.65	FT.
18	D.C. 6¼ I.D.	537.86 O.D.	FT.
2	D.C. SQUARES I.D.	55.66 O.D.	FT.
1	STB. EZ BODY	5.50 O.D.	FT.
1	STB. 3RS BODY	5.82 O.D.	FT.
1	RMR. BODY 6 BS	8.63 O.D.	FT.
2	SUBS	3.40 O.D.	FT.
1	BIT [illegible]	.70	FT.
			FT.
	KELLY DOWN	37.00	FT.
	TOTAL	7292	FT.
WT. OF STRING		160,000	LBS.

BIT RECORD

BIT NO.	4 R.R.
SIZE	8¾
MFG.	H.W.
TYPE	J55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	J5839
DEPTH OUT	
DEPTH IN	7285
TOTAL FTG.	7
TOTAL HR. RUN	90½
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.

DRILLER: Dave Frykas

FOOTAGE 7'

FROM	TO
7285	7292 D

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.P.C

						57	30	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
4⁰⁰	4¹⁵	¼	RIG SER
4¹⁵	5⁰⁰	¾	FINISH OUT W/ D.S.T. #4
			900' FLUID FROM TEST
5³⁰	7⁰⁰	1½	BREAK & LAY DOWN TEST TOOL
7⁰⁰	8³⁰	1½	PICK UP 5½ COLLARS & CALIPER 5½ Collars
			+ STR. — SER.
6³⁰	10³⁰	2	RUN IN
10³⁰	11¹⁵	¾	BREAK CIRC & Clean to BOTTOM 30'
11¹⁵	12⁰⁰	¾	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 38 — DATE January 6, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING - TALTATE

WELL NO.: J-65 | FIELD OR DIST. | COUNTY | STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludwinsen

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	N-44	36#	24	1032		1028	770 sks Cement 2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	5¼	
REAMING			
CONDITIONING MUD & CIRCULATING		1¼	2¼
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	

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	38
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
19	STANDS D.P.	FT.
2	SINGLES D.P.	65 14.38 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. E2F BODY O.D.	5.50 FT.
1	STB. 6pt BODY O.D.	8.63 FT.
1	RMR. 3 pt BODY O.D.	5.82 FT.
2	SUBS C/O O.D.	3.40 FT.
1	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	36.00 FT.
	TOTAL	FT.
WT. OF STRING	160,000 LBS.	

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS-839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		617
TOTAL HR. RUN		84
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12:00	4:00	6:00
WEIGHT	9.4+	9.4+	9.4
VISC.-SEC	47	45	51
W.L.-C.C.	8.2	8.4	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	2000#	DV-68	2 gal
CAUSTIC	100#		
PEL-TEX	200#		

DRILLER: David 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.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
7170	7227	11		FUEL-6½'	54	35	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	12¹⁵	¼	RIG SER. & CHECK B.O.P.s
12¹⁵	8⁰⁰	7¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
20	STANDS D.P.	660602
1	SINGLES D.P.	31.64 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 6¼ I.D. O.D.	55.66 FT.
1	STB. E2F BODY O.D.	5.50 FT.
1	STB. 6pt BODY O.D.	5.82 FT.
1	RMR. 3 pt BODY O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
1	BIT OR C.B.	.70 FT.
	KELLY DOWN	27.72 FT.
	TOTAL	7285.00 FT.
WT. OF STRING	160,000 LBS.	

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		665
TOTAL HR. RUN		89¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:00	12:00	4:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	50	48	51
W.L.-C.C.	8.0	8.6	8.6
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	2000#		
DV-68	2 gal.		

DRILLER: Ed Bergen

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
1227	1285				54	35m	1300	5½	58	5½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7202'	8¾°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	R.G SER
8¹⁵	8⁴⁵	½	DRILL 8¾ HOLE
8⁴⁵	9³⁰	¾	SURVEY @ 7202'
9³⁰	2³⁰	5	DRILL 8¾ HOLE
2³⁰	3¹⁵	¼	CIRC SAMPLE
3¹⁵	4⁰⁰	¼	CIRC TO TEST

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.		7
SIZE		8¾
MFG.		H.W.
TYPE		J55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS839
DEPTH OUT		7285
DEPTH IN		6620
TOTAL FTG.		675
TOTAL HR. RUN		89½
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	11⁰⁰	
WEIGHT	9.4+	9.4	
VISC.-SEC	55	70	
W.L.-C.C.	8.8	8.8	
FLTR. CK	5/32	4/32	
PH	10.5	10.5	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
DV-68	2 gal		

DRILLER: David Frypas

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
7285	[illegible]											

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 SER
4¹⁵	6⁰⁰	1¾	CIRC TO TEST
6⁰⁰	7⁰⁰	1	PULL OUT TO TEST
7⁰⁰	8⁰⁰	1	WORK TIGHT HOLE 12' STDS OFF BOTTM.
8⁰⁰	9⁰⁰	1	CIRC. & MIX MUD
9⁰⁰	9¹⁵	¾	RUN IN
9¹⁵	11³⁰	1¾	~~HOIST~~ ~~OUT~~ ~~TO~~ ~~TEST~~ CIRC & CONDITION HOLE
11³⁰	12⁰⁰	½	HOIST TO TEST.

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 32 — DATE January 5, 1971

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING ET AL TATE

WELL NO.: J-65 | FIELD OR DIST.: | COUNTY: | STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludmilow

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	???	36#	24	1032		1028	790 sks Cement 2% CaCl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7 7/8	9	
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	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		

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.		
68	STANDS D.P.	6417.29 FT.
	SINGLES D.P.	FT.
18	D.C. 6 3/4 I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 6 pt BODY O.D.	8.63 FT.
1	RMR. 3 pt BODY O.D.	5.82 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	36.00 FT.
	TOTAL	7070 FT.
WT. OF STRING		157,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8 3/4
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS 839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		460
TOTAL HR. RUN		61½
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1:00	3:30	6:00
WEIGHT	94	94	94
VISC.-SEC	52	49	46
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.

DRILLER: David Frykas

FOOTAGE 56'

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
7014	7070	D		FUEL 9'	54	32	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
12:00	12:15	1/4	RIG SERVICE & CHECK B.O.P.S
12:15	8:00	7 3/4	DRILL 8 3/4" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
68	STANDS D.P.	6417.29 FT.
2	SINGLES D.P.	63.12 FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 6 pt BODY O.D.	8.63 FT.
1	RMR. 3 pt BODY O.D.	5.82 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	22.17 FT.
	TOTAL	7120.00 FT.
WT. OF STRING		160,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8 3/4
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		510
TOTAL HR. RUN		68¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:00	12:00	2:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	47	46	47
W.L.-C.C.	8.4	8.6	8.6
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	2000#		
DV-68	2 gal		

DRILLER: Ted Bergum

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
7070	7120	D			54	32 35m	1300	5½	58	5½		5

DEVIATION RECORD: DEPTH 7075' DEV. 0 9¼

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	RIG SERV & B.O.P.S KELLY COCK.
8:15	1:15	5	DRILL 8¾ HOLE
1:15	2:00	¾	SURVEY @ 7075'
2:00	4:00	2	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
69	STANDS D.P.	6511.75 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 6 pt BODY O.D.	8.63 FT.
1	RMR. 3 pt BODY O.D.	5.82 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	7170 FT.
WT. OF STRING		160,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8 3/4
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JS839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		560
TOTAL HR. RUN		76¼
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	50	50	49
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.

DRILLER: David Frykas

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
7120	7170	D			54	35	1300	5½	58	6¼		5

DEVIATION RECORD: DEPTH DEV. DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	RIG SER
4:15	12:00	7 3/4	DRILL 8¾ HOLE

WEIGHT OF STRING: 157,000 LBS. (MORNING TOUR) | 160,000 LBS. (DAY TOUR) | 160,000 LBS. (EVENING TOUR)

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 36 — DATE Jan 4, 1972

OPERATOR: Canadian Delhi
LEASE: CANDEL ~~FEAL~~ DECKMC ET AL TATE
WELL NO.: J-65
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludwichow

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	D-a 500	16"
2.	Emsco	D-a 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#	24	1032		1028	790 cement 2% cacl.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7	11¾	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¾		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 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 36
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
66	STANDS D.P.	FT.
1	SINGLES D.P.	6260.59 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARES I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. 13⅜ BODY O.D.	5.82 FT.
1	RMR. 6⅝ BODY O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	6919 FT.
WT. OF STRING		156,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8 3/4
MFG.		H.W.
TYPE		J-55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J5839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		309
TOTAL HR. RUN		39
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1.00	3.30	6.00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	46	50	57
W.L.-C.C.	8.2	8	8.7
FLTR. CK.	2/32	2/32	2/32
PH	10.5	11	11.
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3600#	PELTEX	200#
DV-68	3 gal		
Caustic	100#		

DRILLER: Dave Frykas

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM'D.-C
6865	6919	D			54	28	1300	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6847	9½°							

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	3.15	3	DRILL 8¾" HOLE
3.15	4.00	¾	SURVEY @ 6848 — 9½°
4.00	8.00	4	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
67	STANDS D.P.	6322.92 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARES I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. 13⅜ BODY O.D.	5.82 FT.
1	RMR. 6⅝ BODY O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	28.66 FT.
	TOTAL	6969.00 FT.
WT. OF STRING		156,000 LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W.
TYPE		J55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J5839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		359
TOTAL HR. RUN		46¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9:00	12:00	4.00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	57	52	55
W.L.-C.C.	8	8.6	8.6
FLTR. CK.	3/32	3/32	2/32
PH	10.5	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2200#	D-V-68	2 gal
Caustic	50#		
PELTEX	200#		

DRILLER: Joe Bergeron

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
6919	6969	D			54	28	1300	5½	58	5½		5

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 SER & B.O.P.S.
8.15	4.00	7¾	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
67	STANDS D.P.	FT.
2	SINGLES D.P.	6385.10 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZ-24 BODY O.D.	5.50 FT.
1	STB. 13⅜ BODY O.D.	5.82 FT.
1	RMR. 6⅝ BODY O.D.	8.63 FT.
2	SUBS C/O O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	12.00 FT.
	TOTAL	7014 FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.		7
SIZE		8¾
MFG.		H.W.
TYPE		J55
NOZZLE	NO.	3
	SIZE	12
SER. NO.		J5839
DEPTH OUT		
DEPTH IN		6620
TOTAL FTG.		404
TOTAL HR. RUN		53¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6.00	8.30	11.00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	60	54	52
W.L.-C.C.	8.4		8.7
FLTR. CK.	2/32	3/32	2/32
PH	11.0	10.5	10.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Frykas

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM'D.-C
6969	7014	D			54	30/32	1300	5½	58	5½		5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6950	9¾							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	RIG SER.
4.15	5.45	1½	DRILL 8¾ HOLE
5.45	6.30	¾	SURVEY @ 6950.
6.30	12.00	5½	DRILL 8¾ HOLE

SEP 1 KIND

APPROVED — APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 35 DATE JAN 3, 1972

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMG ET AL TATE

WELL NO. J-65 | FIELD OR DIST. | COUNTY | STATE: NWT

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Lindstrom

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	NKK	36	24	1032		1028	790 CEMENT
							290 CALCIUM

TIME DISTRIBUTION-HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¼	9¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY		1/2	
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 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.			
64	STANDS D.P.	6039.29	FT.
2	SINGLES D.P.	63.07	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. Sq I.D. O.D.	55.66	FT.
1	STB. BODY EZY O.D.	5.50	FT.
1	STB. BODY 3PT. O.D.	5.82	FT.
1	RMR. BODY 6PT. O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	33.00	FT.
	TOTAL	6753	FT.

WT. OF STRING 152,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JS839
DEPTH OUT	6753
DEPTH IN	6620
TOTAL FTG.	133
TOTAL HR. RUN	17
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

	2:00	4:00	6:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	56	55	55
W.L.-C.C.	9.8	9.8	8.8
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.
CMC	50#	PELTEX	200#
GEL	2000#	CAUSTIC	100#
DV68	2 GAL		

DRILLER Brian Lodoray

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.-E.-P COM.-D-C
6693	6753	D		FAUL 6'	54	25	1250	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
12:15	8:00	7¾	DRILL 8¾" HOLE
		8	

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
65	STANDS D.P.		FT.
1	SINGLES D.P.	6165.89	FT.
2	D.C. SQUARE I.D. O.D.	55.66	FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
1	STB. BODY EZY O.D.	5.50	FT.
1	STB. BODY 3PT O.D.	5.82	FT.
1	RMR. BODY 6PT O.D.	8.63	FT.
2	SUBS C/OO.D.	3.40	FT.
	BIT	.70	FT.
			FT.
	KELLY DOWN	27.00	FT.
	TOTAL	6810	FT.

WT. OF STRING 154,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	TS-839
DEPTH OUT	
DEPTH IN	6620
TOTAL FTG.	190
TOTAL HR. RUN	24¼
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

	8:00	12:00	2:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	55	62	60
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#	PELTEX	100#
CAUSTIC	200#		
DV-68	2 GAL		

DRILLER Dave Frykas

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-E.-P COM.-D-C
6753	6810	D			54	25/28	1300	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6752	9¾°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE & CHECK B.O.P.'s
8:15	1:15	5	DRILL 8¾ HOLE
1:15	1:45	½	SURVEY @ 6752
1:45	4:00	2¼	DRILL 8¾ HOLE -9¾°

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
66	STANDS D.P.	6229.08	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. Sq I.D. O.D.	55.66	FT.
1	STB. BODY EZY O.D.	5.50	FT.
1	STB. BODY 3PT O.D.	3.32	FT.
1	RMR. BODY 6PT O.D.	8.63	FT.
2	SUBS X.O. O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	18.50	FT.
	TOTAL	6865.00	FT.

WT. OF STRING 156,000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	3889
DEPTH OUT	
DEPTH IN	6620
TOTAL FTG.	245
TOTAL HR. RUN	32
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

	4:00	6:00	10:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	58	55	53
W.L.-C.C.	8.0	7.8	8.0
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.

DRILLER Leo Bourgeois

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.-E.-P COM.-D-C
6810	6865	D			54	28	1300	5½	58	5½		S

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.
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. 34 DATE JAN 2, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CAN DEL DECKMG ET AL TATE	J-65			NWT

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Lindbergh

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	24	1032		1028	490 CEMENT
							270 CALCIUM

TIME DISTRIBUTION--HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		2¼	7
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	4¼	2¼	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			¾
TEST B.O.P.			
CUT OFF DRILLING LINE		1	
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST	2½		
OTHER BREAK DOWN DST #3	1	¾	
Other		½	
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 4 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 34

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 Ladouceur

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.-P COM'D.-C
6620				FUEL 4'								

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	12:30	½	~~RIG~~ MAKE UP DST #3
12:30	12:45	¼	RIG SERVICE
12:45	3:00	2¼	RUN IN WITH DST #3
3:00	5:30	2½	TESTING
5:30	7:30	2	HOIST DST #3
7:30	8:00	½	TEAR DOWN DST #3 + SERVICE
		8	

DST #3
6586-6620
1.0-37" ISI-38"
FSI-30" Rec'd 50' mud
BHT 170° F
Tool did not open
on final flow

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
63	STANDS D.P.	FT.
2	SINGLES D.P.	6008.24 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	13.00 FT.
	TOTAL	6618 FT.
WT. OF STRING		152,000 LBS.

BIT RECORD

BIT NO.	#7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JS 839
DEPTH OUT	
DEPTH IN	6620
TOTAL FTG.	18
TOTAL HR. RUN	2¼
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	400
WEIGHT	9.5
VISC.-SEC	55
W.L.-C.C.	8.0
FLTR. CK.	2/32
PH	8.5
SD. CONT. %	
PRESSURE GRADIENT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		

DRILLER Dave Fryfogel

FOOTAGE 18'

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.-P COM'D.-C
6620	6638	D			54	30	1250	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
8:15	10:00	1¾	BREAK DOWN & SERVICE TOOL
10:00	11:00	1	SLIP & CUT LINE
11:00	1:15	2¼	RUN W/ BIT #2
1:15	1:45	½	BREAK CIRC & CLEAN TO BOTTOM 30' FILL
1:45	3:45	2¼	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
64	STANDS D.P.	6039.79 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	36.00 FT.
	TOTAL	6693 FT.
WT. OF STRING		152 000 LBS.

BIT RECORD

BIT NO.	7
SIZE	8¾
MFG.	HW
TYPE	J-55
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JS 839
DEPTH ~~OUT~~	6693
DEPTH IN	6620
TOTAL FTG.	73
TOTAL HR. RUN	9¼
COND. OF BIT	0 B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8.00	10:00
WEIGHT	9.4	9.5	9.5
VISC.-SEC	51	53	50
W.L.-C.C.	8.0	8.4	8.4
FLTR. CK	3/32	2/32	2/32
PH	8.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2100#	CAUSTIC	100#
DV-68	264		
PELTEX	200#		

DRILLER Brian Ladouceur

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM'D.-C
6638	6693				54	30	1250	5½	58	5½		
						25						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6646	10°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + CHECK B.O.P'S
4:15	7:30	3¼	DRILL 8¾ HOLE
7:30	8:15	¾	SURVEY @ 6646 — 10°
8:15	12:00	3¾	DRILL 8¾" HOLE
		8	

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 10 1972
YELLOWKNIFE, N.W.T.

APPROVED APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 33 — DATE JAN 1, 1972

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	BCANDEL DECKMG ETAL TATE	J-65			NWT

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sudlucksen

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#	24	1032		1028	790 CEMENT
							2% CA,

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	7¾	½
REAMING	1		
CONDITIONING MUD & CIRCULATING			2¾
TRIPS			3½
LUBRICATE RIG	¼	1/4	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 M&R CUP DST#3			1
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. STAND BY	
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	33
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
62	STANDS D.P.	5850.32 FT.
2	SINGLES D.P.	63.15 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. 12¼ BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.82 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS 8 O.D.	3.40 FT.
	BIT ~~C.B.~~	.70 FT.
		FT.
	KELLY DOWN	28.00 FT.
	TOTAL	6559 FT.
	WT. OF STRING	150,000 LBS.

BIT RECORD

BIT NO.		RR#5
SIZE		8¾
MFG.		HW
TYPE		J-44
NOZZLE	NO.	3
	SIZE	12
SER. NO.		D5566
DEPTH OUT		6559
DEPTH IN		5950
TOTAL FTG.		609
TOTAL HR. RUN		86¼
COND. OF BIT		OB
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.5	9.5	9.4
VISC.-SEC	52	54	52
W.L.-C.C.	8.2	8.4	8.4
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		
DV 68	16AL		

DRILLER: Brian Galloway

FOOTAGE 47

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
6512	6559	D		FUEL - 5'	54	33	1250	5½	58	5½		

DEVIATION RECORD: DEPTH 6500 — DEV. 9¼

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	R.S. SERVICE + CHECK KELLY COCK
12:15	4:15	4.	DRILL 8¾" HOLE
4:15	5:15	1	SURVEY at 6500 9¼
5:15	8:00	2¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
63	STANDS D.P.	FT.
1	SINGLES D.P.	5976.73 FT.
18	D.C. 6¼ I.D. O.D.	532.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. 12¼ BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.82 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS 8 O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	22.06 FT.
	TOTAL	6616 FT.
	WT. OF STRING	152000 LBS.

BIT RECORD

BIT NO.		RR#5
SIZE		8¾
MFG.		H.W
TYPE		J-44
NOZZLE	NO.	3
	SIZE	12
SER. NO.		D5566
DEPTH OUT		
DEPTH IN		5950
TOTAL FTG.		666
TOTAL HR. RUN		9¾
COND. OF BIT		0/8
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:00	11:00	3:30
WEIGHT	9.4	9.4	9.4
VISC.-SEC	54	50	58
W.L.-C.C.	8.6	8.6	8.6
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1200#		
DV-68	1gal		

DRILLER: Dave Frykas

FOOTAGE 57'

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
6559	6616	D			54	33	1250	5½	58			

DEVIATION RECORD

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE + CHECK B.O.P.'s
8:15	4:00	7¾	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
63	STANDS D.P.	FT.
1	SINGLES D.P.	5976.73 FT.
18	D.C. 6¼ I.D. O.D.	532.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. 12¼ BODY O.D.	5.50 FT.
1	STB. 3PT BODY O.D.	5.82 FT.
1	RMR. 6PT BODY O.D.	8.63 FT.
2	SUBS 8 O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	26.00 FT.
	TOTAL	6620 FT.
	WT. OF STRING	152.00 LBS.

BIT RECORD

BIT NO.		RR#5
SIZE		8¾
MFG.		H.W.
TYPE		J-44
NOZZLE	NO.	3
	SIZE	12
SER. NO.		JD566
DEPTH OUT		6620
DEPTH IN		5950
TOTAL FTG.		670
TOTAL HR. RUN		94½
COND. OF BIT		111
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	5:30	7:30
WEIGHT	9.4	9.4
VISC.-SEC	60	58
W.L.-C.C.	8.7	8.6
FLTR. CK	2/32	2/32
PH	9.0	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Galloway

FOOTAGE 4'

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
6616	6620	D			54	30M	1250	5½	58			

DEVIATION RECORD

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	RIG SERVICE + U PIPE RAMS
4:15	4:45	½	DRILL 8 3/4" HOLE
4:45	6:15	1½	Circ. 6620 sample
6:15	6:45	½	Dummy TRIP
6:45	8:00	1¼	Circ
8:00	11:00	3	HOIST RR#5 TO TEST (STRAP OUT)
11:00	12:00	1	MAKEUP DST#3

TALLY ~~6630.13~~ 6620.15
STRAP 59 6620.11
DIFF .04
NO COR.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 10 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 32 — DATE DEC 31, 1971

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING ET AL TATE — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE NWT

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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	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	36H	24	1032		1028	490 CEMENT
							2% CALCIUM

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	7	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1	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 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.		
61	STANDS D.P.	5757.17 FT.
	SINGLES D.P.	FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	29.00 FT.
	TOTAL	6403 FT.

WT. OF STRING 148,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	DJ-566
DEPTH OUT	6403
DEPTH IN	5950
TOTAL FTG.	453
TOTAL HR. RUN	64¾
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	4:00	6:00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	48	64	58
W.L.-C.C.	9.2	8.4	8.2
FLTR. CK.	2/32	2/32	2/32
PH	8.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1400#	CMC	50#
DU 68	1 GAL		
CAUSTIC	100#		

DRILLER Brian Galloway

FOOTAGE 51

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 SOL.-S PAR.EL.-P COMP.-C
6352	6403	D		FULL 6'	54	37	1250	5½	58	5½		
						30						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6342	9½°	•						

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SERVICE
12:15	4:00	3¾	DRILL 8¾ HOLE
4:00	5:00	1	SURVEY at 6342
5:00	8:00	3	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
61	STANDS D.P.	FT.
2	SINGLES D.P.	5818.81 FT.
18	D.C. 6¼ I.D. O.D.	539.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	25.00 FT.
	TOTAL	6459 FT.

WT. OF STRING 149,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	N.W.
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JD-566
DEPTH OUT	
DEPTH IN	5950
TOTAL FTG.	509
TOTAL HR. RUN	71¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	10:00	2:00
WEIGHT	9.3+	9.4	9.4
VISC.-SEC	57	51	58
W.L.-C.C.	8.0	8.0	8.0
FLTR. CK.	2/32	2/32	2/32
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1200#		
Caustic	100#		
DU 68	1 Gal		

DRILLER David Frykas

FOOTAGE 56'

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 SOL.-S PAR.EL.-P COMP.-C
6403	6459	D			54	30	1250	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6374	8¾°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2:00	2:15	¼	Rig Service + Check BOPs
2:15	10:00	7¾	Drill 8¾" Hole
10:00	10:45	¾	Survey @ 6374
10:45	4:00	5¼	Drill 8¾ Hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
62	STANDS D.P.	5850.32 FT.
1	SINGLES D.P.	31.65 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. BODY O.D.	8.63 FT.
2	SUBS O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	13.00 FT.
	TOTAL	6512 FT.

WT. OF STRING 150,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	H.W.
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JD566
DEPTH OUT	6512
DEPTH IN	5950
TOTAL FTG.	562
TOTAL HR. RUN	79½
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4:00	8:00	10:00
WEIGHT	9.4	9.5	9.4
VISC.-SEC	57	51	48
W.L.-C.C.	8.2	8.6	8.6
FLTR. CK	2/32	2/32	2/32
PH	9.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Galloway

FOOTAGE 53

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 SOL.-S PAR.EL.-P COMP.-C
6459	6512	D			54	33M	1250	5½	D 8	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

NORTHERN AFFAIRS AND NATIONAL RESOURCES — DEVELOPMENT — CONSERVATION ENGINEER — JAN 10 1972 — YELLOWKNIFE, N.W.T. — NORTHERN ENGINEERING DEVELOPMENT BRANCH

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 31 — DATE DEC 30, 1971

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMG ET AL TATE	J-65			N W T

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 Lendrikson

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#	24	1032	~~RKB~~	1028	490 CEMENT.
							290 CALCIUM

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	
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	31
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
59	STANDS D.P.	5567.30 FT.
S	SINGLES D.P.	31.27 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. Sq I.D. O.D.	55.66 FT.
1	STB. 27 BODY O.D.	5.50 FT.
1	STB. 3.97 BODY O.D.	5.82 FT.
1	RMR. 6.87 BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	23.00 FT.
	TOTAL	6239 FT.

WT. OF STRING 148,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	DJ566
DEPTH ~~OUT~~	6239
DEPTH IN	5950
TOTAL FTG.	289
TOTAL HR. RUN	43
COND. OF BIT	OB
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.5	9.5	9.5
VISC.-SEC	52	50	64
W.L.-C.C.	8.2	8.7	8.2
FLTR. CK.	2/32	2/32	2/32
PH	8.5	8.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1300#		
CAUSTIC	100#		
DV 68	1 GAL		

DRILLER Brian Galloway

FOOTAGE 56 — 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 SOL.-S PART'L-P COM'D-C
6183	6239	D	FUEL 4'	54	35	1250	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.
12:15	8:00	7¾	DRILL 8¾" HOLE

8

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
60	STANDS D.P.	5662.42 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. 27 BODY O.D.	5.50 FT.
1	STB. 3.97 BODY O.D.	5.82 FT.
1	RMR. 6.87 BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	14.00 FT.
	TOTAL	6293 FT.

WT. OF STRING 148,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	DJ566
DEPTH OUT	
DEPTH IN	5950
TOTAL FTG.	343
TOTAL HR. RUN	50½
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10	12:30	4:00
WEIGHT	9.4	9.4	9.3
VISC.-SEC	57	55	60
W.L.-C.C.	8.4	8.0	8.0
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2400#		
DV-68	2 gal		

DRILLER David Frykas

FOOTAGE 54 — 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 SOL.-S PART'L-P COM'D-C
6239	6293	D		54	35M	1250	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6276	6¼°							

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	10:30	2¼	DRILL 8¾" HOLE
10:30	11:00	½	SURVEY @ 6216
11:00	4:00	5	DRILL 8¾" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
60	STANDS D.P.	5662.42 FT.
1	SINGLES D.P.	31.64 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	5.82 FT.
1	RMR. 6.87 BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	6359 FT.

WT. OF STRING 148,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	H.W
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	JD566
DEPTH OUT	6352
DEPTH IN	5950
TOTAL FTG.	402
TOTAL HR. RUN	58
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME		8:00	10:00
WEIGHT		9.5	9.5
VISC.-SEC		54	52
W.L.-C.C.		8.2	8.2
FLTR. CK		2/32	2/32
PH		8.5	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Brian Galloway

FOOTAGE 59 — 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.-S PART'L-P COM'D-C
6293	6352	D		54	37M	1250	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	4:15	¼	RIG SERVICE & CHECK B.O.P.S
4:15	12:00	7¾	DRILL 8¾" HOLE

8

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 10 1972 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

APPROVED — APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 30 DATE DEC 29, 1971

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CAN DEL BECKMG ET AL TATE	J-65			NWT.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 9½ — TOOL JOINT 6½ O.D. — TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sudlovan

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#	24	1032		1028	490 SKS CEMENT
							2% CALCIUM.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	6¾	7¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	1/4	¼
DEVIATION SURVEY		1/2	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		1/2	
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 30

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
57	STANDS D.P.	5377.83 FT.
2	SINGLES D.P.	63.04 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. SPT BODY O.D.	5.82 FT.
1	RMR. 6¼ BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	33.00 FT.
	TOTAL	6091 FT.

WT. OF STRING 146,000 LBS.

BIT RECORD

BIT NO.	RR #5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	DJ-566
DEPTH OUT	6091
DEPTH IN	5950
TOTAL FTG.	141
TOTAL HR. RUN	20¾
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	1:00	4:00	7:00
WEIGHT	9.6	9.6	9.5
VISC.-SEC	58	48	55
W.L.-C.C.	6.6	6.8	7.0
FLTR. CK.	4/32	2/32	1/32
PH	8.5	8.5	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		
DUB8	1 GAL		

DRILLER Brian Sadoway

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR..L..P COM..D..C
6036	6091	D		FUEL 5' [illegible] T	54	25	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
12:00	12:15	¼	RIG SERVICE + CHECK KELLY COCK
12:15	8:00	7¾	DRILL 8¾" HOLE.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
58	STANDS D.P.	5472.15 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. SPT BODY O.D.	5.82 FT.
1	RMR. 6¼ BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	41.00 FT.
	TOTAL	6130 FT.

WT. OF STRING 146,000 LBS.

BIT RECORD

BIT NO.	RR #5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	DJ-566
DEPTH OUT	
DEPTH IN	5950
TOTAL FTG.	180
TOTAL HR. RUN	21¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	11:00	2:00
WEIGHT	9.4+	9.4+	9.4
VISC.-SEC	57	53	61
W.L.-C.C.	8.4	8.4	8.2
FLTR. CK.	2/32	2/32	2/32
PH	8	8.5	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
Caustic	100#		

DRILLER Rlavid Fujkas

FOOTAGE 39

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..L..P COM..D..C
6091	6130	D			54	30	1250	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6090	6°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SERVICE & V B.O.P.'s
8:15	10:15	2	DRILL 8¾ HOLE
10:15	10:45	½	WORK on Pump
10:45	3:15	4½	DRILL 8¾" HOLE
3:15	3:45	1½	SURVEY @ 6090 - 6°
3:45	4:00	¼	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
58	STANDS D.P.	5472.15 FT.
2	SINGLES D.P.	62.91 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQ. I.D. O.D.	55.66 FT.
1	STB. SPT BODY O.D.	5.82 FT.
1	STB. 6 BODY O.D.	8.63 FT.
1	RMR. EZY BODY O.D.	5.50 FT.
2	SUBS XO O.D.	3.40 FT.
	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	30.00 FT.
	TOTAL	6183 FT.

WT. OF STRING 146,000 LBS.

BIT RECORD

BIT NO.	RR #5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	DJ-566
DEPTH OUT	6183
DEPTH IN	6130
TOTAL FTG.	233
TOTAL HR. RUN	35¼
COND. OF BIT	0 1 3
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	8:00	11:00
WEIGHT	9.4	9.5	9.5
VISC.-SEC	62	58	52
W.L.-C.C.	8.2	8.4	8.6
FLTR. CK	2/32	1/32	1/32
PH	9.0	9.0	8.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Richard Sadoway

FOOTAGE 53

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..L..P COM..D..C
6130	6183	D			54	33	1250	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	12:00	7¾	DRILL [illegible] HOLE

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 10 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

APPROVED APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 29 — DATE DEC 28, 1971

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMG ET AL TATE J-65

WELL NO.: J-65 | FIELD OR DIST.: | COUNTY: | STATE: N W T

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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 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	NKK	36#	24	1032		1028	490 SKS CEMENT
							2% CALCIUM

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	1		¾
REAMING			
CONDITIONING MUD & CIRCULATING	1½		
TRIPS	2¼	3½	3¼
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		4¼	
OTHER	2½		3¼
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 29

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
57	STANDS D.P.	5377.83	FT.
	SINGLES D.P.		FT.
18	D.C. I.D. O.D.	537.86	FT.
2	D.C. 5¾ I.D. O.D.	55.66	FT.
1	STB. EZ9 BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.82	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	35.00	FT.
	TOTAL	6030	FT.

WT. OF STRING 144,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	D5566
DEPTH OUT	6030
DEPTH IN	5950
TOTAL FTG.	80
TOTAL HR. RUN	12¼
COND. OF BIT	1 1 1
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:30	1:30
WEIGHT	9.5	9.5
VISC.-SEC	60	54
W.L.-C.C.	7.4	7.6
FLTR. CK.	1/32	2/32
PH	8.0	8.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Brian Galloway

FOOTAGE: FROM 6022½ TO 6030 | DR..D RM. R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY): FUEL 5½' | ROTARY RPM: 54 | WT. ON BIT 1000#: 25 | PUMP PRESS: 1250 | PUMP NO. 1 LINER SIZE: 5½ | PUMP NO. 1 S.P.M.: 58 | PUMP NO. 2 LINER SIZE: 5½ | PUMP NO. 2 S.P.M. | METHOD RUN

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	1:15	1	DRILL 8¾" HOLE
1:15	2:45	1½	CIR. SAMPLE
2:45	5:30	2¾	HOIST BIT TO TEST
5.30	8:00	2½	MAKE UP DST #2

STRAP 6030.03
TALLY 6030.25
DIF .22
NO CORRECTION
(STRAP 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: Dave Fryfogle

FOOTAGE: FROM 6030 TO | 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: 5½ | PUMP NO./ S.P.M.: 58 | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN

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 + L.O.P.E.
8:15	10:15	2	RUN IN W/ D.S.T. #2.
10:15	2:30	4¼	TEST
2:30	5:00	2½	HOIST DST #2
~~5:00~~	~~5:00~~		~~BREAK DOWN TEST TOOL + SERVICE~~

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
57	STANDS D.P.	5377.83	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.86	FT.
2	D.C. 5¾ I.D. O.D.	55.66	FT.
1	STB. EZ9 BODY O.D.	5.50	FT.
1	STB. 3PT BODY O.D.	5.82	FT.
1	RMR. 6PT BODY O.D.	8.63	FT.
2	SUBS XO O.D.	3.40	FT.
	BIT OR C.B.	.70	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	6036	FT.

WT. OF STRING 146,000 LBS.

BIT RECORD

BIT NO.	RR#5
SIZE	8¾
MFG.	HW
TYPE	J-44
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	D5566
DEPTH OUT	6036
DEPTH IN	5950
TOTAL FTG.	86
TOTAL HR. RUN	13
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.

DRILLER: Brian Galloway

FOOTAGE: FROM 6030 TO 6036 | DR-D RM-R CORE-C: D | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM: 54 | WT. ON BIT 1000#: 25 | PUMP PRESS: 1800 | PUMP NO. 1 LINER SIZE: 5½ | PUMP NO. 1 S.P.M.: 58 | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN

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 W/ D.S.T. #2
5:00	8:00	3	BREAK DOWN TEST TOOL + SERVICE
8:00	10:30	2½	RUN IN W/ BIT
10:30	11:15	¾	BREAK CIR + CLEAN TO BOTTOM
11.15	12:00	¾	DRILL 8¾" HOLE

APPROVED — APPROVED

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

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 10 1972 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

DAILY DRILLING REPORT — REPORT NO. 28 — DATE DEC 27/71

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKMG ETAL TATE
FIELD NO.: J-65
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. X.H

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	GA500	16
2.	EMSCO	GA500	16
3.			

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sudwischen

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅝	W.K.K	36#	24	1032		1028	190 SKS CEMENT.
							2% CAL.

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	½	5¼	6
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	3½	¾	
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼		1¾
TEST B.O.P.			
CUT OFF DRILLING LINE	1		
REPAIR RIG	1		
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	1½	1¾	
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 49'
FEET CUT OFF 49'
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.		
56	STANDS D.P.	5283.83 FT.
1	SINGLES D.P.	31.37 FT.
18	D.C. 6¼ I.D. 6¼ O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY 6¼ O.D.	5.50 FT.
1	STB. BODY 6¼ O.D.	1.70 FT.
1	RMR. BODY 6¼ O.D.	5.82 FT.
1	SUBS O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6pt. R	8.63 FT.
	KELLY DOWN	17.38 FT.
	TOTAL	5950 FT.

WT. OF STRING: 130,M LBS.

BIT RECORD

BIT NO.	6	5RR	
SIZE	8¾	8¾	
MFG.	H.W.	H.W.	
TYPE	J33	544	
NOZZLE NO.	12	21	
NOZZLE SIZE	12 11	12 11	
SER. NO.	JD696	DJSL	
DEPTH OUT	5950		
DEPTH IN	4778	5950	
TOTAL FTG.	1172		
TOTAL HR. RUN	119		
COND. OF BIT			
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	1.00		
WEIGHT	9.4		
VISC.-SEC	37		
W.L.-C.C.	9.2		
FLTR. CK.	2/32		
PH	9.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ed Bergum

FOOTAGE FROM 5942 TO 5950 — DR. RM. 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
FUEL 8¼ FT.	54	25M	1400	5½	58	5½		S

DEVIATION RECORD: DEPTH 5942 — DEV. 7 — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	RIG SER.
12¹⁵	12⁴²	½	DRILL 8¾" HOLE
12⁴²	1⁰⁰	¼	DROP SURVEY
1⁰⁰	3⁰⁰	2	PULL OUT
3⁰⁰	4⁰⁰	1	SLIP & CUT 49' DRG. LINE
4⁰⁰	5³⁰	1½	SERVICE SQ. COLLARS REAMERS & STABILIZERS.
5³⁰	6³⁰	1	REPAIR BLOCKS.
6³⁰	8⁰⁰	1½	RUN IN HOLE W/ BIT #7

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
56	STANDS D.P.	5283.83 FT.
2	SINGLES D.P.	62.72 FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. 3pt BODY O.D.	5.82 FT.
1	RMR. 6pt BODY O.D.	8.63 FT.
2	SUBS XO O.D.	3.40 FT.
1	BIT OR C.B.	.70 FT.
		FT.
	KELLY DOWN	12.00 FT.
	TOTAL	5978 FT.

WT. OF STRING: 144 000 LBS.

BIT RECORD

BIT NO.		5RR	
SIZE	8¾		
MFG.	HW		
TYPE	J-44		
NOZZLE NO.	2 1		
NOZZLE SIZE	11 12		
SER. NO.	D5566		
DEPTH OUT	5978		
DEPTH IN	5950		
TOTAL FTG.	28		
TOTAL HR. RUN	5¼		
COND. OF BIT	0B.		
REAMER NO.			
REAMER TYPE.			

MUD RECORD

TIME	12.00	2.00	3:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	55	40	50
W.L.-C.C.	9.4	9.4	7.4
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	3600#		
DVL8	4 GAL		
CMC	100#		

DRILLER: Brian Sadoway

FOOTAGE 28 FROM 5950 TO 5978 — DR. RM. 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
	54	25	1350	5½	58			

DEVIATION RECORD: 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	9:00	¾	FINISH RUNNING IN.
9:00	10:15	1¼	BREAK CIR + WORK TIGHT HOLE
10:15	10:45	½	CLEAN FILL + REAM 80 FT TO BOTTOM.
10:45	4.00	5¼	DRILL 8¾" HOLE
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
59	STANDS D.P.	5392.83 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. 3pt BODY O.D.	5.82 FT.
1	SUBS XO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6pt. R	8.63 FT.
	KELLY DOWN	27.00 FT.
	TOTAL	6022. FT.

WT. OF STRING: 145 000 LBS.

BIT RECORD

BIT NO.		5RR	
SIZE	8 3/4		
MFG.	H.W		
TYPE	J-44		
NOZZLE NO.	2 1		
NOZZLE SIZE	12 12		
SER. NO.	DT566		
DEPTH OUT			
DEPTH IN	5950		
TOTAL FTG.	72.		
TOTAL HR. RUN	11¼		
COND. OF BIT	0/B		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	4⁰⁰	6:30	10⁰⁰
WEIGHT	9.5	9.4	9.4
VISC.-SEC	55	48	47
W.L.-C.C.			8.0
FLTR. CK			2/32
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
DV-68	2 gal		

DRILLER: Dave Fykstad

FOOTAGE 44' FROM 5978 TO 6022 — DR. RM. 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
	54	25	1350	5½	58			

DEVIATION RECORD: DEPTH 5964 — DEV. 6° — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹⁵	¼	RIG SERVICE & CHECK BOP'S
4¹⁵	6⁴⁵	2½	DRILL 8¾" HOLE
6⁴⁵	8³⁰	1¾	Survey @ 5964'
8³⁰	12	3½	DRILL 8¾ HOLE
12	1⁴⁵	1¼	REPAIRED WIRELINE
1⁴⁵	8³⁰	6¾	DRILL 8¾ HOLE

7½

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 10 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO. 27 — DATE DEC 26 1971

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKING ETAL FEE	5-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Ludwikson

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
9⅞	NKK	36#	24	1032		1028	790 SKS CEMENT 2% Cal

MORNING TOUR

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	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 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 27	
CUMULATIVE ROTATING HRS.	

NO.	DRILLING ASSEMBLY AT END OF TOUR	
54	STANDS D.P.	5095.70 FT.
1	SINGLES D.P.	31.39 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. CO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB CO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT	8.63 FT.
	KELLY DOWN	32.49 FT.
	TOTAL	5777.00 FT.

WT. OF STRING 128 M. LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	JD696
DEPTH OUT	
DEPTH IN	4778
TOTAL FTG.	999
TOTAL HR. RUN	103
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	2:00	5:00	7:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	37	49	45
W.L.-C.C.	9.4	9.2	9.2
FLTR. CK.	3/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1800#		
CMC	50#		
DV-60	2gal		

DRILLER Ted Bergeson

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 COMP'D-C
5695	5777	D		FUEL-T	54	25M	1400	5½	58	5½		S
				GAS-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	12¹⁵	¼	RIG SER.
12¹⁵	8⁰⁰	7¾	DRILL 8¾ HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
55	STANDS D.P.	5189.00 FT.
1	SINGLES D.P.	31.63 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. CO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB CO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT	8.63 FT.
	KELLY DOWN	12.00 FT.
	TOTAL	5850 FT.

WT. OF STRING 130,000 LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	JD696
DEPTH OUT	5850
DEPTH IN	4778
TOTAL FTG.	1072
TOTAL HR. RUN	110¾
COND. OF BIT	0.B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	8.30	12:00	3:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	41	37	46
W.L.-C.C.	9.2	9.4	9.0
FLTR. CK.	4/32	3/32	2/32
PH	8.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1800#	CAUSTIC	100#
DV 60	2GAL		
CMC	50#		

DRILLER Brian Sadoway

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. 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
5777	5850	D			54	25	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
		8	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
56	STANDS D.P.	5283.83 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. CO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB CO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5942.22 FT.

WT. OF STRING 130 M. LBS.

BIT RECORD	
BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	JD696
DEPTH OUT	
DEPTH IN	4778
TOTAL FTG.	1164
TOTAL HR. RUN	118¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6:00	10:00	
WEIGHT	9.3	9.4	
VISC.-SEC	40	39	
W.L.-C.C.	9.4	9.4	
FLTR. CK	2/32	2/32	
PH	9.0	9.0	
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ted Bergeson

FOOTAGE 92'

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
5850	5942	D			54	25M	1400	5½	58	5½		S

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	12⁰⁰	7¾	DRILL 8¾" HOLE

ACCEPTED W.M.I. — DEC 29 1971 — CONSERVATION ENGINEER

APPROVED (AD) APPROVED (OGC)

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

DAILY DRILLING REPORT — REPORT NO. 26 — DATE DEC 25 1971

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DEVINE ETAL TATE
WELL NO.: 1-65
FIELD OR DIST.:
COUNTY:
STATE: N.W.T

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½ in, TYPE THD. X.H.
TOOL JOINT: 6¼ O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Sundvikson

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
9⅞	U.K.K.	36#	24	1032		1028	790 SKS CEMENT PLUS 2% CAL.

MORNING TOUR

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN	1¾	7¾	7¾
DRILLING ACTUAL			
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	

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 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	26
CUMULATIVE ROTATING HRS.	

DRILLING ASSEMBLY AT END OF TOUR

NO.		
51	STANDS D.P.	FT.
2	SINGLES D.P.	48.14.39 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PDK.	8.63 FT.
	KELLY DOWN	11.79 FT.
	TOTAL	5514.00 FT.
WT. OF STRING	128 m	LBS.

BIT RECORD

BIT NO.	6	
SIZE	8¾	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	2 1	
NOZZLE SIZE	11 12	
SER. NO.	JD696	
DEPTH OUT		
DEPTH IN	4778	
TOTAL FTG.	736	
TOTAL HR. RUN	79¾	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.3	9.3	9.3
VISC.-SEC	46	44	40
W.L.-C.C.	7.5	7.4	8.4
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ted Bergum

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
5445	5514	D		FUEL 7 in FT.	54	25	1400	5½	58	5½		S

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	12:15	¼	R.G SER.
12:15	8:00	19¾	DRILL 8¾" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
52	STANDS D.P.	4906.36 FT.
2	SINGLES D.P.	63.19 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¾ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	1.70 FT.
1	STB. BODY O.D.	5.50 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.70 FT.
1	BIT OR C.B.	.70 FT.
1	6PT	8.63 FT.
	KELLY DOWN	18.00 FT.
	TOTAL	5605 FT.
WT. OF STRING	128,000	LBS.

BIT RECORD

BIT NO.	6	
SIZE	8¾	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	2 1	
NOZZLE SIZE	11 12	
SER. NO.	JD696	
DEPTH	5605	
DEPTH IN	4778	
TOTAL FTG.	827	
TOTAL HR. RUN	87½	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:30	12:00	3:00
WEIGHT	9.4	9.4	9.4
VISC.-SEC	42	38	45
W.L.-C.C.	9.6	9.6	9.2
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1700#		
DU-68	2 GAL		
CMC	50#		

DRILLER: Brian Sadowny

FOOTAGE 91

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
5514	5605	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
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.		
53	STANDS D.P.	5001.14 FT.
2	SINGLES D.P.	63.23 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PDK.	8.63 FT.
	KELLY DOWN	13.21 FT.
	TOTAL	5695.00 FT.
WT. OF STRING	128 m	LBS.

BIT RECORD

BIT NO.	6	
SIZE	8¾	
MFG.	HW	
TYPE	J-33	
NOZZLE NO.	2 1	
NOZZLE SIZE	11 12	
SER. NO.	JD696	
DEPTH OUT		
DEPTH IN	4778	
TOTAL FTG.	917	
TOTAL HR. RUN	95¼	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	11:00
WEIGHT	9.4	9.3	9.2
VISC.-SEC	41	40	37
W.L.-C.C.	9.2	9.2	9.2
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.

DRILLER: Ted Bergum

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
5605	5695	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	¼	RIG SERVICE.
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. 25 — DATE DEC 24/71

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMO ETAL TATE — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 2 SIZE 4 IN — TOOL JOINT 6 1/4 O.D. TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindskau

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	NKK	36#	24	1032		1028	790 SKS CEMENT 2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7 1/4	6 3/4	11 1/4
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	XX	1/4	1/4
DEVIATION SURVEY		1/2	1/2
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG PUMP		1/2	
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/DF; HRS. STANDBY; TOTAL DAY WORK

WIRE LINE RECORD

REEL NO.; NO. OF LINES 8 SIZE 11/16; FEET SLIPPED; FEET CUT OFF; PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS; NO. OF DAYS FROM SPUD 25; CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
49	STANDS D.P.	4623.49 FT.
1	SINGLES D.P.	31.55 FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT R.	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5313.46 FT.

WT. OF STRING 124 M LBS.

BIT RECORD

BIT NO.	6
SIZE	8 3/4
MFG.	HW
TYPE	J33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	JD696
DEPTH OUT	
DEPTH IN	4778
TOTAL FTG.	535
TOTAL HR. RUN	58
COND. OF BIT	0/B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.3	9.2	9.3
VISC.-SEC	42	40	41
W.L.-C.C.	9.2	9.5	10
FLTR. CK.	2/32	2/32	2/32
PH	9.5	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1100#		
CMC	50#		
DV-68	1 gal		

DRILLER Ted Bergum

FOOTAGE 88

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 PART'L-P COMP'D-C
5225	5313	D			54	32m	1450	5½	58	5½		S

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 S.E.R.
12 15	8 00	19 3/4	DRILL 8 3/4" HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
50	STANDS D.P.	4717.28 FT.
1	SINGLES D.P.	31.58 FT.
18	D.C. I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT	8.63 FT.
	KELLY DOWN	17.00 FT.
	TOTAL	5383 FT.

WT. OF STRING 126,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	8 3/4
MFG.	HW
TYPE	J-33
NOZZLE NO.	2 1
NOZZLE SIZE	11 12
SER. NO.	JD696
DEPTH OUT	5383
DEPTH IN	4778
TOTAL FTG.	605
TOTAL HR. RUN	64 3/4
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:30	12:00	2:00
WEIGHT	9.6	9.5	9.5
VISC.-SEC	35	36	42
W.L.-C.C.	10.4	10.4	10.4
FLTR. CK.	2/32	2/32	2/32
PH	8.5	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1800#	CAUSTIC	100#
DV68	2 GAL		
CMC	50#		

DRILLER Brian Sadoway

FOOTAGE 70

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 PART'L-P COMP'D-C
5313	5367	D			54	30	1400	5½	58			
5367	5383				54	25	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5270	6°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	RIG SERVICE CHECK BOPs + KELLY COCK
8:15	8:45	1/2	SURVEY at 5270 - 6°
8:45	9:00	1/4	DRILL 8 3/4" HOLE
9:00	9:30	1/2	WORK ON #1 PUMP
9:30	4:00	6 1/2	DRILL 8 3/4" HOLE
		8	

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
31	STANDS D.P.	4812.04 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT R.	8.63 FT.
	KELLY DOWN	15.54 FT.
	TOTAL	5445 FT.

WT. OF STRING 128 M. LBS.

BIT RECORD

BIT NO.	6
SIZE	9 3/4
MFG.	HW
TYPE	J33
NOZZLE NO.	11 12
NOZZLE SIZE	2 1
SER. NO.	JD696
DEPTH OUT	
DEPTH IN	4778
TOTAL FTG.	667
TOTAL HR. RUN	72
COND. OF BIT	O/B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	5:00	8.00	10:00
WEIGHT	9.5	9.4	9.4
VISC.-SEC	41	35	38
W.L.-C.C.	9.4	9.4	9.1
FLTR. CK	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1100#		
CMC	100#		
DV-68	1 gal		

DRILLER Ted Bergum

FOOTAGE 62

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 PART'L-P COMP'D-C
5383	5445	D			54	25	1400	5½	58	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5407	6°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	RIG SERVICE
4:15	10 15	6	DRILL 8 3/4" HOLE
10 15	10 45	1/4	SURVEY @ 5407'
10 45	12 00	1 1/4	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. 24 — DATE DEC 23/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMO ETAL TATE	5-63			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: NO. 4½ SIZE — TOOL JOINT 6¼ O.D. — TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsman

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
9⅞	NKK	36°	24	1032		1038	790 SKS CEMENT
							22. CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	11¼	1¼	6¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼		¼
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			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 24	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
47	STANDS D.P.	4435.42 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT.	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	5093.00 FT.
WT. OF STRING	122. M.	LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		JD696
DEPTH OUT		
DEPTH IN		4778
TOTAL FTG.		315
TOTAL HR. RUN		34¾
COND. OF BIT		0/B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.8	9.8	9.8
VISC.-SEC	41	38	39
W.L.-C.C.	8.8	8.8	9.0
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1100#		
1 gal	DV-68		
1 unit stream water			

DRILLER: Ted Bergum

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 SCL—S PA'EL—P CON'D—C
5028	5093	D		FUEL 7" FT.	54	35M	1450	5½	58	5½		S

DEVIATION RECORD: DEPTH 5030' DEV. 5¼

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	R.I.G SER
12:15	3:30	3¼	DRILL 8¾ HOLE
3:30	4:00	¼	SURVEY
4:00	8:00	4	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
48	STANDS D.P.	4529.42 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB CO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT	8.63 FT.
	KELLY DOWN	19.00 FT.
	TOTAL	5165 FT.
WT. OF STRING	122 000	LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		JD 696
DEPTH ~~OUT~~		5165
DEPTH IN		4778
TOTAL FTG.		387
TOTAL HR. RUN		43½
COND. OF BIT		0B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:30	12:00	
WEIGHT	9.7	9.8	9.7
VISC.-SEC	35	41	38
W.L.-C.C.	9.4	9.8	10.0
FLTR. CK.	2/32	2/32	2/32
PH	8.0	9.5	9.5
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2100	CMC	50#
DU68	2 GALS		
CAUSTIC	100#		

DRILLER: Brian Lafferty

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL—S PA'EL—P CON'D—C
5093	5165	D			54	30M	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
8:00	8:15	¼	RIG SERVICE + CHECK B.O.P.s
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.	4592.03 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 8 I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3PT BODY O.D.	5.82 FT.
1	SUB CO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6PT.	8.63 FT.
	KELLY DOWN	13.65 FT.
	TOTAL	5225 FT.
WT. OF STRING	122. 000	LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE	NO.	1 2
	SIZE	12 11
SER. NO.		JD 696
DEPTH OUT		
DEPTH IN		4778
TOTAL FTG.		447
TOTAL HR. RUN		50¼
COND. OF BIT		0/B.
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.7	9.6	9.5
VISC.-SEC	43	42	40
W.L.-C.C.	8.8	8.8	9.0
FLTR. CK	2/32	2/32	2/32
PH	9.5	9.5	9
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ted Bergum

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
5165	5225	D			54	30M	1450	5½	58	5½		

DEVIATION RECORD: DEPTH 5146 — DEV. 5¾ — 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	6:45	2½	DRILL 8¾" HOLE
6:45	7:15	½	SURVEY at 5146
7:15	8:00	¾	DRILL 8¾" HOLE
~~8:00~~	8:15	¼	BLOW OUT DRILL
8:15	11:45	3½	DRILL 8¾ HOLE
11:45	12:00	¼	WORK ON #2 Pump.

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 23 — DATE DEC 22/71

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKING ETAL TATE
WELL NO. 65
FIELD OR DIST.
COUNTY
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.
RIG NO. 9
DRILL PIPE STRING: NO. 2, SIZE 4½ TYPE THD.
TOOL JOINT 6¼ O.D.

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
9 5/8	NKK	36	24	1032		628	190 SKS CEMENT - 22 Cal.

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		7¼	-
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	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	

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 23	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
45	STANDS D.P.	4246.23 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. BP BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6 PTR	8.63 FT.
	KELLY DOWN	33.35 FT.
	TOTAL	4890.00 FT.
WT. OF STRING	120. M	LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J33
NOZZLE NO.	1 2
NOZZLE SIZE	12 11
SER. NO.	JD696
DEPTH OUT	
DEPTH IN	4778
TOTAL FTG.	120
TOTAL HR. RUN	17¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2.00	5.00	7.00
WEIGHT	9.5	9.5	9.5
VISC.–SEC	41	40	42
W.L.–C.C.	8.8	8.8	9.0
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		

DRILLER Red Bergum

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. 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
4830	4898	D		FUEL 8'	54	30m	1400	5½	58	5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4810	4¾							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	¼	RIG SER.
12 15	1 00	¾	DRILL 8¾ HOLE
1 00	1 30	½	SURVEY @ 4810'
1 30	8 00	6½	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
45	STANDS D.P.	4246.23 FT.
2	SINGLES D.P.	63.00 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. BP BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6 PTR	8.63 FT.
	KELLY DOWN	39.00 FT.
	TOTAL	4966 FT.
WT. OF STRING	120 000	LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	1 2
NOZZLE SIZE	12 11
SER. NO.	JD-696
DEPTH OUT	4966
DEPTH IN	4778
TOTAL FTG.	188
TOTAL HR. RUN	19¼
COND. OF BIT	O.B.
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.5	9.5	9.5
VISC.–SEC	35	37	40
W.L.–C.C.	8.6	8.6	8.8
FLTR. CK.	2/32	2/32	2/32
PH	9.0	9.0	4.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		
D.U-68	1 GAL		

DRILLER Brian Ladany

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. 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
4898	4836	D			54	30	1400	5½	58			
4836	4966	D			54	32	1400	5½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4895	4¼							

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 8½" HOLE
12:30	1:00	½	SURVEY at 4895 - 4¼°
1:00	4:00	3	DRILL 8½" HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
46	STANDS D.P.	4340.70 FT.
1	SINGLES D.P.	31.51 FT.
18	D.C. 6¼ I.D. O.D.	537.86 FT.
2	D.C. 5¼ I.D. O.D.	55.66 FT.
1	STB. EZ BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. BP BODY O.D.	5.82 FT.
1	SUB C.O. O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	6 PTR	8.63 FT.
	KELLY DOWN	38.57 FT.
	TOTAL	5028.00 FT.
WT. OF STRING	120. M.	LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	HW
TYPE	J-33
NOZZLE NO.	1 2
NOZZLE SIZE	12 11
SER. NO.	JD 696
DEPTH OUT	
DEPTH IN	4778
TOTAL FTG.	250
TOTAL HR. RUN	27¼
COND. OF BIT	O/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00		
WEIGHT	9.5		
VISC.–SEC	42		
W.L.–C.C.	8.8		
FLTR. CK	2/32		
PH	9.0		
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Red Bergum

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
4966	5028	D			54	32	1450	5½	58	5½		S

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	12 00	7¾	DRILL 8½ HOLE
			STACK MUD ON PALLETS & TAKE INVENTORY
			ON MUD FROM CATHAIR AIRSTRIP

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 22 — DATE DEC 21/71

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMO ETAL TATE — WELL NO. J65 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering 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: Gerry 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
7 5/8	VKK	36#	24	1032		1028	790 SKS CEMENT
							2% CAL.

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5½	4¾	6
REAMING			
CONDITIONING MUD & CIRCULATING	1¼	3	1¼
TRIPS	¼	¼	¼
LUBRICATE RIG			
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	½		½
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 22	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
43	STANDS D.P.	FT.
1	SINGLES D.P.	4089.71 FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6 PT	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4747.00 FT.

WT. OF STRING 118,000 LBS.

BIT RECORD

BIT NO.	5	
SIZE	8 3/4	
MFG.	HW	
TYPE	J-44	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	DJ 566	
DEPTH OUT		
DEPTH IN	4708	
TOTAL FTG.	39'	
TOTAL HR. RUN	5 1/2	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2.00	5.00
WEIGHT	9.3	9.3
VISC.-SEC	38	43
W.L.-C.C.	9.0	8.8
FLTR. CK.	2/32	
PH	9.5	9.5
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100		
CAUS.	100		

DRILLER Ted Bergum

FOOTAGE 39'

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
4708	4747	D		FUEL	54	30	1500	5½		5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4716	4½							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	¼	RIG SER.
12 15	1 30	1¼	FINISH TRIP IN
1 30	2 00	½	BREAK CIRC & CLEAN 35' FILL
2 00	7 30	5½	DRILL 8¾ HOLE
7 30	8 00	½	SURVEY @ 4716

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
43	STANDS D.P.	4058.04 FT.
2	SINGLES D.P.	62.61 FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6 PT	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4778. FT.

WT. OF STRING 118,000 LBS.

BIT RECORD

BIT NO.	5	6
SIZE	8¾	8¾
MFG.	HW	HW
TYPE	J-44	J-33
NOZZLE NO.	3	1 2
NOZZLE SIZE	11	12-11
SER. NO.	DJ 566	JD-696
DEPTH OUT	4778	
DEPTH IN	4708	4778
TOTAL FTG.	70	
TOTAL HR. RUN	10¼	
COND. OF BIT	111	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00
WEIGHT	9.4	9.4
VISC.-SEC	37	37
W.L.-C.C.	8.4	8.6
FLTR. CK.	2/32	2/32
PH	9.0	9.0
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200		

DRILLER Brian Sadoway

FOOTAGE 31

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
4747	4778	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 B.O.P.s
8:15	1:00	4¾	DRILL 8¾" HOLE
1.00	3:15	2¼	HOIST BIT #5.
3:15	4:00	¾	RUN IN WITH BIT #6

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
44	STANDS D.P.	FT.
1	SINGLES D.P.	4183.41 FT.
18	D.C. 6 1/4 I.D. O.D.	537.86 FT.
2	D.C. I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6 PT	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4830. FT.

WT. OF STRING 120 M LBS.

BIT RECORD

BIT NO.		6
SIZE		8¾
MFG.		HW
TYPE		J-33
NOZZLE NO.		1 1
NOZZLE SIZE		12 11
SER. NO.		JD-696
DEPTH OUT		
DEPTH IN		4778
TOTAL FTG.		52
TOTAL HR. RUN		6
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9.00	
WEIGHT	9.5	
VISC.-SEC	43	
W.L.-C.C.	8	
FLTR. CK	2/32	
PH	9.0	
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Ted Bergum

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 PAR.EL-P COM'D-C
4778	4830	D			54	30	1400	5½	58	5½		S
						20M						

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	5:30	1¼	FINISH RUNNING IN WITH BIT #6
5:30	6.00	½	BREAK CIR + CLEAN 35' FILL
6.00	12 00	6	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 Dec 20, 1971

OPERATOR: CANADIAN DELHI

LEASE: CANBEL DEVONIAN ET AL TATE

WELL NO.: J-65 | FIELD OR DIST. | COUNTY | STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.

RIG NO.: 9

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Smithson

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

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	D. OO	16"
2	Emsco	L OO	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8	NKK	36#	24	1032		1028	790 sks Cement 2% CaCl

TIME DISTRIBUTION–HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	6¾	2½
REAMING			
CONDITIONING MUD & CIRCULATING			3½
TRIPS	1/4	¼	¼
LUBRICATE RIG		W	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE		¾	¾
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST SERVICE OTHER SQ DC			1½
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 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	21
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
41	STANDS D.P.		
1	SINGLES D.P.	3964.60	FT.
18	D.C. 6¼ I.D. O.D.	532.81	FT.
2	D.C. SQUARE I.D. O.D.	55.66	FT.
1	STB. ECCS BODY O.D.	5.50	FT.
1	STB. XO BODY O.D.	1.70	FT.
1	RMR. 3PT BODY O.D.	5.82	FT.
1	SUBS C/O O.D.	1.60	FT.
	BIT OR C.B.	.70	FT.
1	6pt R.	8.63	FT.
	KELLY DOWN	38.98	FT.
	TOTAL	4621.	FT.

WT. OF STRING 118,000 LBS.

BIT RECORD

BIT NO.	RR4	
SIZE	8 3/4	
MFG.	HW	
TYPE	J 33	
NOZZLE NO.	1 2	
NOZZLE SIZE	12 11	
SER. NO.	JD 706	
DEPTH OUT		
DEPTH IN	4152	
TOTAL FTG.	1305	
TOTAL HR. RUN	74½	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	2⁰⁰	7⁰⁰	6³⁰
WEIGHT	9.1	9.2	9.2
VISC.–SEC	35	35	33
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: David Frykas

FOOTAGE 105

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 COMP.–C
4516	4621	D		FUEL — 6½ Ft	54	30M	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 SERVICE & ✓ B.O.P's
12¹⁵	8⁰⁰	7¾	DRILL 8¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
42	STANDS D.P.	4027.84	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.81	FT.
2	D.C. SQUARE I.D. O.D.	55.66	FT.
1	STB. ECCS BODY O.D.	5.50	FT.
1	STB. XO BODY O.D.	1.70	FT.
1	RMR. 3PT BODY O.D.	5.82	FT.
1	SUBS C/O O.D.	1.60	FT.
	BIT OR C.B.	.70	FT.
1	6pt R.	8.63	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	4686.00	FT.

WT. OF STRING 118,000 LBS.

BIT RECORD

BIT NO.	RR4	
SIZE	8¾	
MFG.	H.W.	
TYPE	J-33	
NOZZLE NO.	1 2	
NOZZLE SIZE	12 11	
SER. NO.	JD706	
DEPTH OUT		
DEPTH IN	4152	
TOTAL FTG.	1370	
TOTAL HR. RUN	81	
COND. OF BIT	1/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10 00	1.00	3.00
WEIGHT	92	93	92
VISC.–SEC	36	39	35
W.L.–C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ted Bergum

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 COMP.–C
4621	4686	D			54	30M	1550	5½	58	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4591	4¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	RIG SER.
8¹⁵	8⁴⁵	½	~~BOP DRILL~~ SURVEY
8⁴⁵	9⁰⁰	¾	WORK ON #2 PUMP.
9⁰⁰	4⁰⁰	6½	DRILL 8¾ HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
43	STANDS D.P.	4058.04	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	537.81	FT.
2	D.C. SQ I.D. O.D.	55.66	FT.
1	STB. ECCS BODY O.D.	5.50	FT.
1	STB. XO BODY O.D.	1.70	FT.
1	RMR. 3PT BODY O.D.	5.82	FT.
1	SUBS C/O O.D.	1.60	FT.
1	BIT OR C.B.	.70	FT.
1	6pt R.	8.63	FT.
	KELLY DOWN	33.00	FT.
	TOTAL	4708	FT.

WT. OF STRING 118,000 LBS.

BIT RECORD

BIT NO.	RR4	5	
SIZE	8¾	8¾	
MFG.	HW	HW	
TYPE	J-33	J-44	
NOZZLE NO.	2 1	3	
NOZZLE SIZE	11 12	11	
SER. NO.	JD-706	DJ566	
DEPTH OUT	4708		
DEPTH IN	4428	4152	4708
TOTAL FTG.	280	83¼	
TOTAL HR. RUN	83¼		
COND. OF BIT	111		
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 Dadaway

FOOTAGE 22

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 COMP.–C
4686	4708	D			54	30M	1350	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 B.O.P's
4:15	6:30	2¼	DRILL 8¾ HOLE
6:30	9:15	2¾	HOIST BIT # RR4 (10 STS TIGHT)
9:15	10:45	1½	SERVICE SQUARE COLLERS + STABILIZERS (JOINTS TORQUED UP TIGHT)
10:45	11:00	¼	RUN IN WITH BIT #5
11:00	11:45	¾	WELD ON D C ELAVATORS
11:45	12:00	¼	RUN IN

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 20 — DATE Dec 19, 1971

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKMG ET AL TATE
WELL NO.: J-65
FIELD OR DIST.:
COUNTY:
STATE: N. W. T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2x 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	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
9⅞		36#	24			1028	790 cement
							2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	6¾	6¾
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1½	¾	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		8	
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	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	20
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
38	STANDS D.P.		
1	SINGLES D.P.		3682.15
18	D.C. 6¼ I.D. O.D.		537.81
2	D.C. SQUARE I.D. O.D.		55.66
1	STB. EZY BODY O.D.		5.50
1	STB. X O BODY O.D.		1.70
1	RMR. 3 PT BODY O.D.		5.82
	SUB C/O O.D.		1.60
	BIT OR C.B.		.70
1	6 pt R.		8.63
	KELLY DOWN		21.00
	TOTAL		4320.
WT. OF STRING	110,000 LBS.		

BIT RECORD

BIT NO.		RR4
SIZE		8 3/4
MFG.		H.W
TYPE		J-33
NOZZLE	NO.	1 2
	SIZE	12 11
SER. NO.		JD706
DEPTH OUT		
DEPTH IN		4152
TOTAL FTG.		992
TOTAL HR. RUN		52¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

	10⁰⁰	4⁰⁰	9⁰⁰
TIME			
WEIGHT	9.2	9.1	9.0
VISC.-SEC	43	36	36
W.L.-C.C.			12
FLTR. CK.			2/32
PH			9.0
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Donald Fryfogle

FOOTAGE 128

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
4192	4320	D		FUEL — 7'5"	54	38M 35M	1400	5½	58			
				TEMP. —								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4245	3¾°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	Rig Service & ✓ B.O.P's
12¹⁵	5³⁰	5¼	Drill 8 3/4" Hole
5³⁰	6⁰⁰	½	Survey @ 4245
6⁰⁰	8⁰⁰	2	Drill 8 3/4 Hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
39	STANDS D.P.		
1	SINGLES D.P.		3776.34
18	D.C. 6¼ I.D. O.D.		537.81
2	D.C. SQUARE I.D. O.D.		55.66
1	STB. EZY BODY O.D.		5.50
1	STB. X O BODY O.D.		1.70
1	RMR. 3 PT BODY O.D.		5.82
	SUB C/O O.D.		1.60
	BIT OR C.B.		.70
1	6 pt R.		8.63
	KELLY DOWN		26.24
	TOTAL		4420.00
WT. OF STRING	112 M LBS.		

BIT RECORD

BIT NO.		R.R.4
SIZE		8 3/4
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2 1
	SIZE	11 12
SER. NO.		JD706
DEPTH OUT		
DEPTH IN		4152
TOTAL FTG.		1092
TOTAL HR. RUN		60
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

	7.00	1.00	6.00
TIME			
WEIGHT	9.2	7.0	8.9
VISC.-SEC	38	36	36
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Joe Bergeron

FOOTAGE 100

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
4320	4420	D			54	35M	1400	5½	58	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4339	4°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	8¹⁵	¼	Rig Ser.
8¹⁵	12⁰⁰	3¾	Drill 8¾" Hole
12⁰⁰	12³⁰	½	Survey
12³⁰	4⁰⁰	3½	Drill 8¾ Hole — Install 36 x 40 Shaker Screen

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
40	STANDS D.P.		
1	SINGLES D.P.		3870.34
18	D.C. 6¼ I.D. O.D.		537.81
2	D.C. SQUARE I.D. O.D.		55.66
1	STB. EZY BODY O.D.		5.50
1	STB. X O BODY O.D.		1.70
	RMR. 3 PT BODY O.D.		5.82
1	SUB C/O O.D.		1.60
	BIT OR C.B.		.70
1	6 pt R		8.63
	KELLY DOWN		28.25
	TOTAL		4516.
WT. OF STRING	115,000 LBS.		

BIT RECORD

BIT NO.		RR-4
SIZE		8 3/4
MFG.		H.W
TYPE		J 33
NOZZLE	NO.	1 2
	SIZE	12 11
SER. NO.		JD 706
DEPTH OUT		
DEPTH IN		4152
TOTAL FTG.		1198
TOTAL HR. RUN		66¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

	9:00	11.00
TIME		
WEIGHT	9.1	9.2
VISC.-SEC	35	35
W.L.-C.C.		
FLTR. CK	9/32	
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Dave Fryfogle

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COMP'D-C
4420	4516	D			54	35M	1400	5½	58	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4466	4¼°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4¹²	¼	Rig Ser.
4¹²	7¹⁵	3	Drill 8¾" Hole
7¹⁵	7⁴⁵	½	Survey Mf. Gun
7⁴⁵	10⁰⁰	2¼	Drill 8¾ Hole
10⁰⁰	10³⁰	½	Survey @ 4466
10³⁰	12⁰⁰	1½	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 Dec. 18

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKING ET AL 1ATE
WELL NO.: J-65
FIELD OR DIST.:
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.
RIG NO.: 9
DRILL PIPE STRING: NO. 2, SIZE 4½
TOOL JOINT: 6¼ O.D. TYPE THD. XH

PUMPS

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Glenn Lindsay

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9⅞		36#	24			1028	

TIME DISTRIBUTION—HOURS

	MCRN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			3
REAMING			
CONDITIONING MUD & CIRCULATING	2		
TRIPS	2½	3½	2
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
MAKE UP TEST PLUG (HEAD)		1N	
LAY DOWN TESTING (HEAD)		1N	
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST		2N	
OTHER	3½	3½	2¼
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 1/8
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON M. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON M. OR TRIPS	
NO. OF DAYS FROM SPUD	19
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
18	D.C. 6¼ 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.		4A-2
SIZE		7 7/8
MFG.		H.W
TYPE		V16
NOZZLE	NO.	
	SIZE	12
SER. NO.		38816
DEPTH OUT		
DEPTH IN		4152
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1⁰⁰	2⁰⁰
WEIGHT	9.3	9..
VISC.-SEC	45	55
W.L.-C.C.		11.
FLTR. CK.		2/32
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	900#		

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	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D-C
4152				FUEL — 7#				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.S
12¹⁵	2¹⁵	2	CIRC + MIX MUD
2	4³⁰	2¼	TRIP OUT to RUN TEST #1 (STRAP OUT)
4³⁰	8⁰⁰	3½	PICK UP & MAKE TOOL
			STRAP 349338
			TALLY 349270
			.68

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
	STANDS D.P.	
	SINGLES D.P.	
	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	1180
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: Joel Bourassa

FOOTAGE

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. / LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D-C
4152.				DST #1 4110-4152 VO 55 min. FSI - 35 min. Rec'd 790' mud cut H2O No B.H.T. recorded								

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 AM	8¹⁵	¼	R.G. SERVICE
8¹⁵	9⁰⁰	¾	MAKE UP TOOL
9⁰⁰	10³⁰	1½	RUN IN DRILL STEM TEST #1 (SLOW)
10³⁰	11⁰⁰	½	MAKE UP TESTING HEAD [redacted]
11⁰⁰	1³⁰	2½	TESTING.
1³⁰	2⁰⁰	½	LAY DOWN TESTING HEAD.
2⁰⁰	4⁰⁰	2	PULL OUT TEST (SLOW).

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		FT.
37	STANDS D.P.	3356.43
2	SINGLES D.P.	53.81
18	D.C. 6¼ I.D. O.D.	
2	D.C. 5¾ REG I.D. O.D.	55.66
1	STB. BODY O.D.	5.50
1	STB. BODY O.D.	1.70
1	RMR. BODY O.D.	4.63
1	SUBS O.D.	1.60
	BIT OR C.B.	.20
1	3 pt R	5.82
	KELLY DOWN	22.07
	TOTAL	4192 FT.
WT. OF STRING		108,000 LBS.

BIT RECORD

BIT NO.		RR-4
SIZE		8¾
MFG.		H.W.
TYPE		J-33
NOZZLE	NO.	2. 1
	SIZE	11 12
SER. NO.		TD746
DEPTH OUT		
DEPTH IN		4152
TOTAL FTG.		864
TOTAL HR. RUN		45½
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	9⁰⁰	
WEIGHT	9.1	
VISC.-SEC	60	
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ronald Frykas

FOOTAGE 40'

FROM	TO	DR. RM. CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. / LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D-C
4152	4192	D			52	35#	1200	5½	56			

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	R.G. SER.
4¹⁵	5⁰⁰	¾	FINISH HOISTING D.S.T. #1
5⁰⁰	7⁰⁰	2	BREAK & LAY DOWN TEST TOOL.
7⁰⁰	8¹⁵	1¼	RUN IN W/ BIT.
	9⁰⁰	¾	BREAK CIRC. CLEAN TO BOTTOM 10 ft FILL
9⁰⁰	12⁰⁰	3	DRILL 9¾" HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 18 — DATE Dec 17, 1971

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKING ET AL TATE	J-65			N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	DRILL PIPE STRING SIZE	TOOL JOINT	O.D.
Jennings International Drilling, A Division of Western Electronics & Engineering Ltd.	9	2	4½	TYPE THD. XH	

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lushman

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		36#	24			1028	390 cement
							2% CACl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½		
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		¼N	3¼
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	¼N	
TEST B.O.P.			
CUT OFF DRILLING LINE			
WORK STUCK PIPE / REPAIR RIG		3¾	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
SPOT NO STICK / OTHER		3	
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 18
CUMULATIVE ROTATING HRS.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
37	STANDS D.P.	3492.70 FT.
	SINGLES D.P.	FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3 PT BODY O.D.	5.82 FT.
1	SUBS C/O O.D.	1.60 FT.
	BIT OR STB.	.70 FT.
1	6pt R.	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4152.00 FT.
WT. OF STRING	108,000 LBS.	

BIT RECORD	
BIT NO.	4
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	JD706
DEPTH OUT	
DEPTH IN	3228
TOTAL FTG.	822
TOTAL HR. RUN	42½
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	1:00	4:00	7:00
WEIGHT	9.2	9.3	9.3
VISC.-SEC	34	33	36
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4100 #		
DV-68	2 gals		
CAUSTIC	100 #		

DRILLER: David Frykas

FOOTAGE 192'

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 SOLES PANEL-P COMP'D-C
3980	4152	D		FUEL — D	52	35M 37M	1140	5½	58	5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3994	3¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	RIG SER. & ✓ B.O.P.'s
12:15	2:15	2	DRILL 8¾" HOLE
2:15	2:30	¼	SURVEY @ 3994 — 3¼°
2:30	8:00	5½	DRILL 8¾" HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
37	STANDS D.P.	3492.70 FT.
	SINGLES D.P.	FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3 PT BODY O.D.	5.82 FT.
1	SUBS C/O O.D.	1.60 FT.
	BIT OR STB.	.70 FT.
1	6pt R.	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4152.00 FT.
WT. OF STRING	108,000 LBS.	

BIT RECORD	
BIT NO.	4
SIZE	8¾
MFG.	H.W.
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	JD706
DEPTH OUT	4152
DEPTH IN	3228
TOTAL FTG.	924
TOTAL HR. RUN	42¼
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD		
TIME	9.0	
WEIGHT	9.3	
VISC.-SEC	36	
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ted Bergum

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 SOLES PANEL-P COMP'D-C
4152												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4121	3¼°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SER.
8:15	8:45	½	SURVEY @ 4121
8:45	12:30	3¾	CIRC & WORK STUCK PIPE (DIFFERENTIAL)
12:30			MIX DIESEL FUEL & 20 GALS No STICK. STICK)
	3:30	3	SPOT No STICK. (1000 GALS DIESEL FUEL)
3:30	4:00	½	HOIST PIPE.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
37	STANDS D.P.	3492.70 FT.
	SINGLES D.P.	FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. XO BODY O.D.	1.70 FT.
1	RMR. 3 PT BODY O.D.	5.82 FT.
1	SUBS C/O O.D.	1.60 FT.
	BIT OR STB.	.70 FT.
1	6pt R.	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	4152.00 FT.
WT. OF STRING	108,000 LBS.	

BIT RECORD	
BIT NO.	R.R.
SIZE	8¾
MFG.	H.W.
TYPE	X-16
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	358116
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD		
TIME	9:00	11:00
WEIGHT	9.3	9.3
VISC.-SEC	32	41
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500 #		
Caustic	150 #		
CMC	200 #		

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 SOLES PANEL-P COMP'D-C
4152												

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	R.C. SER.
4:15	5:30	1¼	FINISH HOIST.
5:30	6:30	1	CLEAN TANKS BLOW MUD LINES.
6:30	8:30	2	TRIP IN HOLE.
8:30	12:00	3½	Circ & Condition Mud & Hole Prior to Test

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 17 — DATE Dec 16, 1971

OPERATOR: CANADIAN DELHI
LEASE: CANDEL DECKMA ET AL TATE
WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE N.W.T

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd.
RIG NO. 9
DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6¼ O.D. — TYPE THD. XH

PUMPS

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindsham

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
9 5/8		36#	24			1028	790 SKS Cement
							2% CACl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	6¾	7¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	1	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 — 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 17
CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	30 21.16 FT.
	SINGLES D.P.	FT.
18	D.C. 6 1/4 I.D. O.D.	537.81 FT.
2	D.C. Square I.D. O.D.	55.66 FT.
1	STB. E25 BODY O.D.	5.50 FT.
1	STB. X BODY O.D.	1.70 FT.
1	RMR. 3pt BODY O.D.	5.82 FT.
1	SUBS / O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6pt R.	8.63 FT.
	KELLY DOWN	23.60 FT.
	TOTAL	3663 FT.
WT. OF STRING	106,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	H.W
TYPE	J-33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	JD 706
DEPTH OUT	
DEPTH IN	3228
TOTAL FTG.	353
TOTAL HR. RUN	20¾
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	2:00	6:00	7:00
WEIGHT	9.0+	9.0	9.0
VISC.-SEC	30	32	32
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]			

DRILLER: David Fryfogle

FOOTAGE 135

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 PARTEL-P COM'D-C
3530	3663	D			52	30M	1350	5½	60			

DEVIATION RECORD: DEPTH 3520 — DEV. 2¾° — 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 B.O.P.'s
12 15	1 30	1 ¼	DRILL 8 3/4 HOLE
1 30	1 45	¼	SURVEY @ 3520 - 2¾°
1 45	8 00	6 ¼	DRILL 8 3/4 HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	STANDS D.P.	FT.
2	SINGLES D.P.	3178.25 FT.
18	D.C. 6¼" I.D. O.D.	537.81 FT.
2	D.C. Sq. I.D. O.D.	55.66 FT.
1	STB. E25 BODY O.D.	5.50 FT.
1	STB. X BODY O.D.	1.70 FT.
1	RMR. 3pt BODY O.D.	5.82 FT.
1	SUBS / O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6pt R.	8.63 FT.
	KELLY DOWN	37.33 FT.
	TOTAL	3833 FT.
WT. OF STRING	106,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	H.W.
TYPE	J33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	JD706
DEPTH OUT	
DEPTH IN	3228
TOTAL FTG.	522
TOTAL HR. RUN	27¼
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.0	9.0	9.1
VISC.-SEC	32	32	32
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
CAUSTIC	100#		

DRILLER: Jed Benyon

FOOTAGE 170

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 PARTEL-P COM'D-C
3663	3833	D			52	40M	1400	5½		5½		5

DEVIATION RECORD: DEPTH 3651 — DEV. 2¾° — DIRECTION — DEPTH 3775 — DEV. 3¼° — 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 00	¾	DRILL 8 3/4 HOLE
9 00	9 30	½	SURVEY @ 3651
9 30	2 30	5	DRILL 8 3/4 HOLE
2 30	3 00	½	SURVEY
3 00	4 00	1	DRILL 8 3/4 HOLE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
38	STANDS D.P.	FT.
1	SINGLES D.P.	3334.53 FT.
2	D.C. SQUARE I.D. O.D.	55.66 FT.
18	D.C. 6 1/4 I.D. O.D.	537.81 FT.
1	STB. E25 BODY O.D.	5.50 FT.
1	STB. X BODY O.D.	1.70 FT.
1	RMR. 3pt BODY O.D.	5.82 FT.
1	SUBS / O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6pt R	8.63 FT.
	KELLY DOWN	39.65 FT.
	TOTAL	3980. FT.
WT. OF STRING	106,000 LBS.	

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	H.W
TYPE	J 33
NOZZLE NO.	3
NOZZLE SIZE	11
SER. NO.	JD706
DEPTH OUT	
DEPTH IN	3228
TOTAL FTG.	670
TOTAL HR. RUN	35
COND. OF BIT	0/8
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	9:00
WEIGHT	9.3	9.3
VISC.-SEC	34	33
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		

DRILLER: Elaine Fryfogle

FOOTAGE 147

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 PARTEL-P COM'D-C
3833	3980	D			52	40M 35M	1400	5½	58	5½		5

DEVIATION RECORD: DEPTH 3869 — DEV. 3¾° — 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	7 45	3½	DRILL 8 3/4 HOLE
7 45	8 00	¼	SURVEY @ 3869
8 00	12 00	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. 16 — DATE Dec 15, 1971

OPERATOR: CANADIAN DELHI
LEASE: CANCEL DEEKMG ET AL Tate
WELL NO.: J-65
FIELD OR DIST.: Ka
COUNTY:
STATE: N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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: D K Nelson
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludenbuen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco ~~DA 500~~	DA 500	16"
2	Emsco ~~DA 500~~	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		36#	24			1028	740 SKS cement
							2% CACl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¾	7¾	6¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	2¾	2¾	1
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY	1/2	1/4	
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	¾		1/2
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	16
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
28	STANDS D.P.		FT.
2	SINGLES D.P.	2707.77	FT.
18	D.C. 6 1/4" I.D. O.D.	537.81	FT.
2	D.C. Square I.D. O.D.	55.66	FT.
1	STB. X O BODY O.D.	1.70	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	RMR. 3P BODY O.D.	5.82	FT.
1	SUBS C/O O.D.	1.60	FT.
	BIT OR C.B.	.70	FT.
1	6pt Reamer	8.63	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	3364.	FT.
WT. OF STRING	104,000	LBS.	

BIT RECORD

	3	4
BIT NO.		
SIZE	8 3/4	8 3/4
MFG.	H.W	H.W.
TYPE	X1C	J33
NOZZLE NO.	3	3
NOZZLE SIZE	11 10	11
SER. NO.	31327	JD706
DEPTH OUT	3328	
DEPTH IN	2988	3328
TOTAL FTG.	340	56
TOTAL HR. RUN	22¼	2¼
COND. OF BIT	5 11	0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	1:00	6:00	7:30
WEIGHT	9.4	9.3	9.5
VISC.-SEC	29	29	32
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 SKS		

DRILLER: David Ingkas

FOOTAGE 56

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
3310	3366	D		FUEL -	74	30	1400/1200	5½	60			
					52	30		5½				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3294	2½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	1/4	RIG SERVICE & CHECK B.O.P's
12¹⁵	1⁴⁵	1½	DRILL 8 3/4 HOLE
1⁴⁵	2¹⁵	1/4	SURVEY @ 3294 - 2½°
2¹⁵	3⁴⁵	1½	HOIST BIT = 3
3⁴⁵	5⁰⁰	1¼	RUN IN W/ BIT = 4
5⁰⁰	5⁴⁵	3/4	BREAK CIRC & REAM CLEAN FILL TO BOTTOM 30'
5⁴⁵	7⁰⁰	2¼	DRILL 8 3/4 HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
29	STANDS D.P.		FT.
1	SINGLES D.P.	2710.49	FT.
18	D.C. 6¼" I.D. O.D.	537.81	FT.
2	D.C. Sq. I.D. O.D.	55.66	FT.
1	STB. X O BODY O.D.	1.70	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	RMR. 3P BODY O.D.	5.82	FT.
1	SUBS C/O O.D.	1.60	FT.
	BIT OR C.B.	.70	FT.
1	LPTR.	8.63	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	3428.50	FT.
WT. OF STRING	104,000	LBS.	

BIT RECORD

	4	
BIT NO.		
SIZE	6 11	
MFG.	H W	
TYPE	J33	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	JD706	
DEPTH OUT		
DEPTH IN	3328	
TOTAL FTG.	118	
TOTAL HR. RUN	1	
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.3	9.4	
VISC.-SEC	30	3[illegible]	
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 SKS.		

DRILLER: Jed Benyum

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
3366	3428				52	[illegible]	1350	5½	60	5½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3391	3°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6⁰⁰	8¹⁵	1/4	RIG SER.
8¹⁵	1⁰⁰	4¾	DRILL 8¾ HOLE
1⁰⁰	1¹⁵	1/4	SURVEY @
1¹⁵	4⁰⁰	2¾	TRIP TO RETRIEVE SURVEY BARREL.
			[illegible]

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
30	STANDS D.P.		FT.
2	SINGLES D.P.	2896.57	FT.
18	D.C. 6¼" I.D. O.D.	537.81	FT.
2	D.C. Square I.D. O.D.	55.66	FT.
1	STB. X O BODY O.D.	1.70	FT.
1	STB. EZY BODY O.D.	5.50	FT.
1	RMR. 3P BODY O.D.	5.82	FT.
1	SUBS C/O O.D.	1.60	FT.
1	BIT OR C.B.	.70	FT.
1	6pt R.	8.63	FT.
	KELLY DOWN	16.04	FT.
	TOTAL	3530	FT.
WT. OF STRING	104,000	LBS.	

BIT RECORD

	4	
BIT NO.		
SIZE	8 3/4	
MFG.	H.W.	
TYPE	J33	
NOZZLE NO.	3	
NOZZLE SIZE	11	
SER. NO.	JD706	
DEPTH OUT		
DEPTH IN	3328	
TOTAL FTG.	220	
TOTAL HR. RUN	13¼	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	6:00	10⁰⁰	
WEIGHT	9.2	9.2	
VISC.-SEC	30	33	
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: David Ingkas

FOOTAGE 102

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
3428	3530	D			52	30	1350	5½	60			

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	1/4	[illegible] RIG SER.
4¹⁵	5¹⁵	1	FINISH TRIP
5¹⁵	6⁴⁵	1½	BREAK CIRC CLEAN GO FILL.
6⁴⁵	12⁰⁰	5¼	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 15 — DATE Dec 14, 1971

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL Deering et al TATE	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering 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 Lindbergen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	D4 500	16"
2	Emsco	D4 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		36#	24			1028	cement 790 SKS 2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	5¾	9¼	7½
REAMING	¼		
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	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	

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 15	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
26	STANDS D.P.	2456.20 FT.	BIT NO.	3
	SINGLES D.P.	FT.	SIZE	8 ¾
18	D.C. 6 1/4 I.D. O.D.	537.81 FT.	MFG.	HW
			TYPE	XIC
2	D.C. Square I.D. O.D.	55.66 FT.	NOZZLE NO.	2 1
			NOZZLE SIZE	11 16
	STB. EZY BODY O.D.	5.50 FT.	SER. NO.	31327
1	STB. XO BODY O.D.	1.70 FT.	DEPTH OUT	
1	RMR. 3pt BODY O.D.	5.82 FT.	DEPTH IN	2988
	SUB C/O O.D.	1.60 FT.	TOTAL FTG.	100
	BIT OR C.B.	.70 FT.	TOTAL HR. RUN	5 3/4
1	6pt Re	8.63 FT.	COND. OF BIT	0/B
	KELLY DOWN	15 00 FT.	REAMER NO.	
	TOTAL	3088 FT.	REAMER TYPE	
	WT. OF STRING	100,000 LBS.		

MUD RECORD

TIME	2 00	6 00
WEIGHT	9.3	9.4
VISC.-SEC	28	28
W.L.-C.C.		
FLTR. CK.		
PH	8.5	8.5
SD. CONT. %		
PRESSURE GRADIENT		

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

ADD WATER

DRILLER Dave Inykas

FOOTAGE 100

FROM	TO	DR. C 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 PARTEL-P COMP.-C
2988	3088			FUEL 1/4	74	30	1400	5 1/2	60			
				LAY DOWN WASHED OUT SINGLE								

DEVIATION RECORD: DEPTH 3020 — DEV. 2° — 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	2 00	1 3/4	FINISH CLEANING to BOTTOM
2 00	5 45	3 3/4	DRILL 8 3/4 HOLE
5 45	6 00	¼	Survey @ 3020
6 00	8 00	2	DRILL 8 3/4" HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
27	STANDS D.P.	2551.25 FT.	BIT NO.	3
1	SINGLES D.P.	31.66 FT.	SIZE	8¾
18	D.C. 6 1/4 I.D. O.D.	537.81 FT.	MFG.	HW.
			TYPE	X.I.C.
2	D.C. SQ. I.D. O.D.	55.66 FT.	NOZZLE NO.	2 1
			NOZZLE SIZE	11 16
1	STB. EZY BODY O.D.	5.50 FT.	SER. NO.	31327
1	STB. XO BODY O.D.	1.70 FT.	DEPTH OUT	
1	RMR. 3pt BODY O.D.	5.82 FT.	DEPTH IN	2988
1	SUB C/O O.D.	1.60 FT.	TOTAL FTG.	228
	BIT OR C.B.	.70 FT.	TOTAL HR. RUN	13¼
1	6PTR.	8.63 FT.	COND. OF BIT	0/B
	KELLY DOWN	15.67 FT.	REAMER NO.	
	TOTAL	3216.00 FT.	REAMER TYPE	
	WT. OF STRING	102,000 LBS.		

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.4	9.5	9.5
VISC.-SEC	29	29	29
W.L.-C.C.			
FLTR. CK.			
PH	8.5	8.5	8.5
SD. CONT. %			
PRESSURE GRADIENT			

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

DRILLER Ted Bergeen

FOOTAGE 128

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 PARTEL-P COMP.-C
3088	3216	D			74	32M 35M	1400	5½	60	5½		S

DEVIATION RECORD: DEPTH 3114' — DEV. 2½° — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼	RIG SER
8 15	11 00	2 3/4	DRILL 8¾" HOLE
11 00	11 15	¼	SURVEY @ 3114
11 15	4 00	4 3/4	DRILL 8¾" HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
28	STANDS D.P.	FT.	BIT NO.	3
1	SINGLES D.P.	26.76.09 FT.	SIZE	8 3/4
18	D.C. 6 1/4 I.D. O.D.	537.81 FT.	MFG.	HW
			TYPE	XIC
2	D.C. SQUARE I.D. O.D.	55.66 FT.	NOZZLE NO.	2 1
			NOZZLE SIZE	11 16
1	STB. EZY BODY O.D.	5.50 FT.	SER. NO.	31327
1	STB. XO BODY O.D.	1.70 FT.	DEPTH OUT	
1	RMR. 3pt BODY O.D.	5.82 FT.	DEPTH IN	2988
1	SUB C/O O.D.	1.60 FT.	TOTAL FTG.	322
1	BIT OR C.B.	.70 FT.	TOTAL HR. RUN	20¾
1	6PTR.	8.63 FT.	COND. OF BIT	0/B
	KELLY DOWN	15.00 FT.	REAMER NO.	
	TOTAL	3310 FT.	REAMER TYPE	
	WT. OF STRING	102,000 LBS.		

MUD RECORD

TIME	6:00	10 00
WEIGHT	9.4	9.4
VISC.-SEC	29	29
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

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

ADD WATER

DRILLER Dave Inykas

FOOTAGE 94'

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 PARTEL-P COMP.-C
3216	3310				74	32M	1400	5½	60	5½		
				CHANGE WASHED OUT SAVER SUB								

DEVIATION RECORD: DEPTH 3209' — DEV. 2½° — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	¼	RIG SER.
4 15	5 45	1½	DRILL 8¾ HOLE
5 45	6 00	¼	SURVEY @ 3209'
6 00	12 00	6	DRILL 8¾ HOLE

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 121 — DATE Dec 13/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Canadian Delhi	Candel Deckmg ETAL TATE	5-65		MWT.	

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A R Nelson

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludenhan

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			24			1028	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			2
CONDITIONING MUD & CIRCULATING			
TRIPS			3¼
LUBRICATE RIG	¼		¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			1
REPAIR RIG			
CORING BASKET			4¼
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			1
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 1/10
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.		
24	STANDS D.P.	2266.39 FT.
2	SINGLES D.P.	63.49 FT.
18	D.C. I.D. O.D.	537.81 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.	1.60 FT.
	SUB BIT O.D.	2.97 FT.
	MAGNET	2.60 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	2	4
SIZE	8¾	8¾
MFG.	HW	HW
TYPE	XIG	XIG
NOZZLE NO.	2	1
NOZZLE SIZE	11	10
SER. NO.	35846	31327
DEPTH OUT	2988	2
DEPTH IN	2450	
TOTAL FTG.	538	
TOTAL HR. RUN	25½	
COND. OF BIT	511	
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 J Lustus

FOOTAGE 8'

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
2980	2988			6' FUEL								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2980								

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2980			RE
12 00	12 15	¼	Rig Service
12 15	12 30	¼	Drill 8¾" Hole
12 30			Pull Out of Hole, Dropped Sludge Hammer in Hole while puting Stabilizer on
			Lay Down Reamer & Stabilizer Std Back 5 Sqs.
	7 30	7	Pick up Magnet & Bit Sub. Run in
7 30	8 00		Break Circ. c/o From 2818

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: 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
2988								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	9 15	1	Finish Clean out to BTM
9 15	9 45	½	Circ Ough Fish & Work w/ Magnet
9 45	11 30	1 3/4	Hoist Magnet
11 30	11 45	¼	Clean Magnet (No Fish) Make up Basket
11 45	2 15	2½	Run in w/ Core Basket
2 15	3 15	1	Clean out 60' to BTM.
3 15	4 00	¾	Cut Core w/ Basket

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
24	STANDS D.P.	2263.39 FT.
2	SINGLES D.P.	63.49 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. 2¼ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.10 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS O.D.	1.60 FT.
1	BIT OR C.B.	.70 FT.
6	M.R.	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	2788.00 FT.
WT. OF STRING		100,500 LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	HW
TYPE	XIC
NOZZLE NO.	2 1
NOZZLE SIZE	10 10
SER. NO.	31321
DEPTH OUT	
DEPTH IN	2988
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: Ted Bergum

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
2788							1200	5½		5½		5

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	4 45	½	Cut Core w/ Basket
4 45	6 00	1¼	Pull out w/ Basket & Break Down Same
6 00			Make up Square DC's Bit, Reamers
	7 00	1	& Stabilizers.
7 00	8 00	1	Slip & Cut 49' DRLG Line
8 00	10 00	2	Run in w/ Bit
10 00	12 00	2	Clean 40' Ft. to Bottom.

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 13 — DATE Dec 12/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Canadian Delhi	Candel Beckim, ETAL TATE	5-65		N.W.T.	

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lukasiewich

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 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
9 5/8			24			1028	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¼	7½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	1/4	1/4
DEVIATION SURVEY	¼	1/2	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 SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON M. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON M. OR TRIPS	
NO. OF DAYS FROM SPUD	13
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
21	STANDS D.P.		1984.67 FT.
2	SINGLES D.P.		62.54 FT.
18	D.C. 6¼ I.D.	O.D.	537.81 FT.
2	D.C. I.D.	O.D.	55.66 FT.
1	STB. EZ-1 BODY	O.D.	5.50 FT.
1	STB. XO BODY	O.D.	1.70 FT.
1	RMR. 3pt BODY	O.D.	5.82 FT.
1	SUBS C/O	O.D.	1.60 FT.
1	BIT OR C.B.		.70 FT.
1	6pt. Reamer		8.63 FT.
	KELLY DOWN		15.00 FT.
	TOTAL		2690 FT.
WT. OF STRING	90 000		LBS.

BIT RECORD	
BIT NO.	2
SIZE	8¾
MFG.	HW
TYPE	XIG
NOZZLE NO.	2 1
NOZZLE SIZE	11 10
SER. NO.	35816
DEPTH OUT	
DEPTH IN	2450
TOTAL FTG.	250
TOTAL HR. RUN	10½
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	2.00	4.00	6.00
WEIGHT	9.6	9.6	9.2
VISC.-SEC	30	30	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DV-68	4gal.		

DRILLER: Ray J Lustus

FOOTAGE 174

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 PART.—P COMP.—C
2516	2690	D.		Fuel 6' 8"	70	30m	1400	5½	60			
					70	25m	1400	5½	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2611	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	4 15	4	Drill 8¾" HOLE
4 15	4 30	¼	Survey @ 2611'
4 30	8 00	3½	Drill 8¾" HOLE

BOP MANIFOLD FILLED WITH LIGHT HYDRAULIC OIL & PRES. TESTED TO 1900 PSI FOR 15 MINS OK

Joe Lukasiewich

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	STANDS D.P.		FT.
2	SINGLES D.P.		2235.08 FT.
18	D.C. 6¼ I.D.	O.D.	537.81 FT.
2	D.C. 5¾ I.D.	O.D.	55.66 FT.
1	STB. EZ BODY	O.D.	5.50 FT.
1	STB. XO BODY	O.D.	1.70 FT.
1	RMR. 3pt BODY	O.D.	5.82 FT.
1	SUBS C/O	O.D.	1.60 FT.
	BIT OR C.B.		.70 FT.
1	6pt Reamer		8.63 FT.
	KELLY DOWN		34.00 FT.
	TOTAL		2886 FT.
WT. OF STRING	98,000		LBS.

BIT RECORD	
BIT NO.	2
SIZE	8¾
MFG.	H.W
TYPE	XIG
NOZZLE NO.	2 1
NOZZLE SIZE	11 10
SER. NO.	35816
DEPTH OUT	
DEPTH IN	2450
TOTAL FTG.	446
TOTAL HR. RUN	17¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	9.00	2.00	4.00
WEIGHT	9.3	9.1	9.1
VISC.-SEC	30	29	28
W.L.-C.C.			
FLTR. CK.			
PH	8.5	8.5	8.5
SD. CONT. %			
PRESSURE GRADIENT	Dumped 1 & 2,3 compartment		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
ADDED WATER			

DRILLER: David Frykas

FOOTAGE 196

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 PART.—P COMP.—C
2690	2886	D			70m	25m	1400	5½	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2674	2°		2799	2°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼	Rig Service and Check B.O.P's
8 15	8 30	¼	Survey
8 30	1 45	5¼	Drill 8¾ Hole
1 45	2 00	¼	Survey
2 00	4 00	2	Drill 8¾ Hole

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
24	STANDS D.P.		2286.39 FT.
2	SINGLES D.P.		63.49 FT.
18	D.C. 6¼ I.D.	O.D.	537.81 FT.
2	D.C. 5¾ I.D.	O.D.	55.66 FT.
1	STB. EZ BODY	O.D.	5.54 FT.
1	STB. XO BODY	O.D.	1.70 FT.
1	RMR. 3pt BODY	O.D.	5.82 FT.
1	SUBS C/O	O.D.	1.60 FT.
1	BIT OR C.B.		.70 FT.
1	6pt Reamer		8.63 FT.
	KELLY DOWN		33 00 FT.
	TOTAL		2980.00 FT.
WT. OF STRING	98000		LBS.

BIT RECORD	
BIT NO.	2
SIZE	8¾
MFG.	H.W
TYPE	XIG
NOZZLE NO.	2 1
NOZZLE SIZE	11 10
SER. NO.	35816
DEPTH OUT	
DEPTH IN	2450
TOTAL FTG.	540'
TOTAL HR. RUN	35¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	6 00	8 00	11 00
WEIGHT	9.0	9.2	9.0
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Ray J Lustus

FOOTAGE 94

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 PART.—P COMP.—C
2886	2980	D			70	27m	1450	5½	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2924	2							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	¼	Rig Service + Ck B.O.P.s
4 15	9 00	4¾	Drill 8¾ Hole
9 00	9 15	¼	Survey
9 15	12 00	2¾	Drill 8¾ Hole

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 12 — DATE Dec. 11/71

OPERATOR: Canadian Delhi

LEASE: Candel Deck Mtg ETAL TATE

WELL NO.: S-65 | FIELD OR DIST. | COUNTY: N.W.T. | STATE

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.

RIG NO.: 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE: W.M. Nixon

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lukasewich

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			24			1028	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	7¼	4¼
REAMING			
CONDITIONING MUD & CIRCULATING			½
TRIPS			11¼
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	¼	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			
OTHER clean mud tanks			½
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 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.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
17	STANDS D.P.	1605.95 FT.
1	SINGLES D.P.	31.68 FT.
18	D.C. 6¼ I.D. 6¼ O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUB C/O O.D.	1.60 FT.
1	BIT OR C.B.	.70 FT.
1	6pt Reamer	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	2496.05 FT.
WT. OF STRING	85000	LBS.

BIT RECORD	
BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	XIC
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	3328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	1927
TOTAL HR. RUN	37¼
COND. OF BIT	0/13
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	2:00	4:00	6:00
WEIGHT	10	10	9.6
VISC.-SEC	30	30	30
W.L.-C.C.			
FL TR. CK.			
PH			
SD CONT. %			
PRESSURE GRADIENT			

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

NOTE - MUD WT. UP DUE TO SHORTAGE OF WATER ONLY 1 Truck Hauling

DRILLER Ray J Lester

NO.	DRILLING ASSEMBLY AT END OF TOUR	
19	STANDS D.P.	1795.12 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS C/O O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6pt Reamer	8.63 FT.
	KELLY DOWN	28.00 FT.
	TOTAL	2440 FT.
WT. OF STRING		LBS.

BIT RECORD		
BIT NO.	1	2
SIZE	8¾	8¾
MFG.	HW	HW
TYPE	XIC	XIC
NOZZLE NO.	2 1	2 1
NOZZLE SIZE	10 11	11 10
SER. NO.	3132	3581G
DEPTH OUT	2450	
DEPTH IN	1028	2450
TOTAL FTG.	1422	76
TOTAL HR. RUN	46	3
COND. OF BIT	5/11	0/13
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	8:00	11:00	
WEIGHT	9.5	9.2	
VISC.-SEC	30	30	
W.L.-C.C.			
FL TR. CK.			
PH			
SD CONT. %	Dumped Tank Clean 1, + 2		
PRESSURE GRADIENT			

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

WATER

DRILLER Raoul Frykas

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
19	STANDS D.P.	1795.12 FT.
2	SINGLES D.P.	63.36 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. BODY O.D.	5.50 FT.
1	STB. BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUBS C/O O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6pt Reamer	8.63 FT.
	KELLY DOWN	41. FT.
	TOTAL	2516.92 FT.
WT. OF STRING	90,000	LBS.

BIT RECORD		
BIT NO.	1	2
SIZE	8¾	8¾
MFG.	HW	HW
TYPE	XIC	XIC
NOZZLE NO.	2 1	2 1
NOZZLE SIZE	10 11	11 10
SER. NO.	3132	3581G
DEPTH OUT	2450	
DEPTH IN	1028	2450
TOTAL FTG.	1422	76
TOTAL HR. RUN	46	3
COND. OF BIT	5/11	0/13
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME			12:00
WEIGHT			9.6
VISC.-SEC			30
W.L.-C.C.			
FL TR. CK			
PH			
SD CONT. %			
PRESSURE GRADIENT	Dump Suction		

TANK

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

ADD WATER

DRILLER Ray J Lester

DAY TOUR

FOOTAGE 158

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.-C
2138	2296	D		8¾" Hole	50	25M	1600	5½	60			

DEVIATION RECORD: DEPTH 2264 | DEV. 1½° | 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 BOP's
12 15	6 30	6¼	Drill 8¾" Hole
6 30	6 45	¼	Survey @ 2264'
6 45	8 00	1¼	Drill 8¾" Hole

ON LOCATION = 319 JTS 4½ 16.6 XH DRILL PIPE
29 - 6¼ OD x 2¾ ID DRILL COLLARS
1 - 6¼ BHC 4½ REG Box 6⅝ 4½ REG Box

FOOTAGE 144

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.-C
2296	2440	D			58	25-	1450	5½	60			

DEVIATION RECORD: DEPTH 2359 | DEV. 1½° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
3 00	8 15	¼	Rig Service & C B.O.P.s
8 15	1 30	5¼	Drill 8¾" Hole
1 30	1 45	¼	Survey
1 45	4 00	2¼	Drill 8¾" Hole

KB To GR - 12.00'
KB To CSG Bowl - 10.46'

FOOTAGE 76

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.-C
2440	2516	D			57	25M	1450	5½	60			

DEVIATION RECORD: DEPTH 2516' | DEV. 1½° | 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 B.O.P.s
4 15	5 30	1¼	Drill 8¾ Hole
5 30	6 30	1	TRIP for BIT check Blind Rams
6 30	7 00	½	Clean Mud Tanks
7 00	8 15	1¼	Run in w/ BIT #2
8 15	8 45	½	Clean out 50' Lite Fill
8 45	11 45	3	Drill 8¾" Hole
11 45	12 00	¼	Survey @ 2516'

APPROVED — APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 1 DATE Dec 10 11

OPERATOR: Canadian Delhi

LEASE: Candel Deck Mtg Etal Tract

WELL NO.: 1-5 | FIELD OR DIST. | COUNTY: Lea | STATE

CONTRACTOR: Jennings International Drilling
A Division of Western Electronics & Engineering Ltd.

RIG NO.

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: Joe Thomasmond

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	D-375	16"
2.	Emsco	D-375	16"
3.			

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
7 5/8			2-1				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	3¼		4
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	½	¼
DEVIATION SURVEY			¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG	4½	5½	3½
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 11

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
14	STANDS D.P.	13233 FT.
2	SINGLES D.P.	1385.43 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
	STB. BODY O.D.	5.50 FT.
	STB. BODY O.D.	1.70 FT.
	RMR. BODY O.D.	5.82 FT.
	SUBS O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
		8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	2044.05 FT.

WT. OF STRING 80,000 LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	XIG
NOZZLE NO.	2
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	975
TOTAL HR. RUN	25¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	10 10
VISC.-SEC	29
W.L.-C.C.	
FL TR. CK.	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

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

DRILLER Ron Justus

FOOTAGE 84 | 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 SOLIDS PART'L-P COMP'D-C
1960	2044	Dr									

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	7:15	¼	Rig Service — check BOP's
7:15	3:30	8¼	Drill 8¾ Hole
3:30	8:00	4½	Circulate to Fix Boiler — unthaw steam Lines
			Return Condensate Line Freeze, Lost Steam Pressure to Lines & Water, Steam Cleaner in Boiler

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
14	STANDS D.P.	FT.
2	SINGLES D.P.	1385.43 FT.
18	D.C. 6¼" I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. X O BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUB S/C O.D.	1.60 FT.
	BIT OR C.B.	.70 FT.
1	6 pt	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	2044.05 FT.

WT. OF STRING 82,000 LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	XIG
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	975
TOTAL HR. RUN	25¾
COND. OF BIT	0/B
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 Dave Frykas

FOOTAGE 0 | 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 SOLIDS PART'L-P COMP'D-C
~~1960~~	2044										

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	11:00	3	Rerun Panel in Boiler Shorted out Due To Break in Main Electrical Line to Boiler
11:00	4:00	5	Thaw out and Rerun Water Lines

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
15	STANDS D.P.	1417.63 FT.
2	SINGLES D.P.	63.30 FT.
18	D.C. I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. EZY BODY O.D.	5.50 FT.
1	STB. X O BODY O.D.	1.70 FT.
1	RMR. BODY O.D.	5.82 FT.
1	SUB S/C O.D.	1.60 FT.
1	BIT OR C.B.	.70 FT.
1	6 pt. Stab	8.63 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	2134.47 FT.

WT. OF STRING 85,000 LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	XIG
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	~~975~~ 1069
TOTAL HR. RUN	29¾
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10 00
WEIGHT	9.5
VISC.-SEC	28
W.L.-C.C.	
FL TR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

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

Water

DRILLER Ray J. Lister

FOOTAGE 94' | 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 SOLIDS PART'L-P COMP'D-C
2044	2138	D									

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2138'	1¼ C							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Service & BOP's
4:15	4:45	½	Finish Repairing Water Lines
4:45	6:00	1¼	Drill 8¾ Hole
6:00	9:00	3	Work on STD Pipe Union & Finish Water Lines
9:00	11:45	2¾	Drill 8¾ Hole
11:45	12:00	¼	Survey @ 2138'

APPROVED

APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 10 — DATE Dec 9/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
Canadian Delhi	Candel/Decking ETAL Tate	3-6		N.W.T.	

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

SIGNATURE OF OPERATOR'S REPRESENTATIVE — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Fuhrmann

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT O.D. 6¼, 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			24			1028	790 Sks Cement
								1% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7¼	7¾	1¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	½	1	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	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 8	SIZE 1⅛
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TOM MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TOM MI. OR TRIPS	
NO. OF DAYS FROM SPUD 10	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
7	STANDS D.P.	661.41 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. 3pt. BODY O.D.	5.50 FT.
1	STB. X O BODY O.D.	1.60 FT.
1	RMR. 6pt. BODY O.D.	8.63 FT.
1	SUBS C/O O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	3pt. Reamer	5.82 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	1319.83 FT.

WT. OF STRING 76000 LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	HW
TYPE	XIC
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	251'
TOTAL HR. RUN	8½
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	12:00	2:00	6:00
WEIGHT	8.33	8.4	8.5
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

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

DRILLER Ray J Lustus

FOOTAGE 251' — 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 COMP.D-C
1068	1319	D-			60	20M	1300	5½	60			
					60	25M	1300	5½	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1123	½°	[illegible]	1215	½°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼	Rig Service
12:15	2:45	2½	Drill 8¾ Hole
2:45	3:00	¼	Survey @ 1163'
3:00	6:00	3.	Drill 8¾" Hole
6:00	6:15	¼	Survey @ 1256'
6:15	8:00	1¾	Drill 8¾" Hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
11	STANDS D.P.	1040.61 FT.
1	SINGLES D.P.	31.57 FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. 3pt. BODY O.D.	5.50 FT.
1	STB. X O BODY O.D.	1.60 FT.
1	RMR. 6pt. BODY O.D.	8.63 FT.
1	SUBS C/O O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	3pt. Reamer	5.82 FT.
	KELLY DOWN	33.00 FT.
	TOTAL	1722. FT.

WT. OF STRING 78,000 LBS.

BIT RECORD

BIT NO.	1
SIZE	9 3/4
MFG.	H.W
TYPE	XIC
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	653
TOTAL HR. RUN	15¼
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	8:00	2:00	4:00
WEIGHT	8.5	8.8	8.9
VISC.-SEC	28	28	28
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: WATER

DRILLER Dave Taylor

FOOTAGE 403 — 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 COMP.D-C
1319	1722	D			60	30	1300	5½	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1310	½°		1486	½°		1541	¾°	1689 - 1°

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Service Check BOPs
8:15	8:30	¼	Survey @ 1310 - ½°
8:30	10:00	1½	Drill 8¾" Hole 3:30 - 4:00 - D Rig 9¾ Hole
10:00	10:15	¼	Survey @ 1406
10:15	12:45	2½	Drill 8¾" Hole — 23° wind gusts
12:45	1:00	¼	Survey — 40 mph +
1:00	3:15	2¼	Drill 8¾" Hole — blizzard
3:15	3:30	¼	Survey @ 1769 - 1°

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
14	STANDS D.P.	1323.37 FT.
	SINGLES D.P.	FT.
18	D.C. 6¼ I.D. O.D.	537.81 FT.
2	D.C. SQ I.D. O.D.	55.66 FT.
1	STB. 3pt. BODY O.D.	5.50 FT.
1	STB. X O BODY O.D.	1.60 FT.
1	RMR. 6pt. BODY O.D.	8.63 FT.
1	SUBS C/O O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	3pt. Reamer	5.82 FT.
	KELLY DOWN	20.00 FT.
	TOTAL	1960.79 FT.

WT. OF STRING 82,000 LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	H.W.
TYPE	XIC
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	911
TOTAL HR. RUN	22½
COND. OF BIT	0/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	8.9	9.2	9.5
VISC.-SEC	28	25	28
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED: WATER

DRILLER Ray J Lustus

FOOTAGE 238 — 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COMP.D-C
1722	1960	D			60	25	1450	5½	60	5½		

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1792	1°	[illegible]	1919'	¾°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	Rig Service & Check B.O.P.'s
4:15	7:00	2¾	Drill 8¾ Hole
7:00	7:15	¼	Survey @ 1792 - 1°
7:15	10:15	3	Drill 8¾" Hole
10:15	10:30	¼	Survey @ 1919 - ¾°
10:30	12:00	1½	Drill 8¾" — 30 High winds

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 9 — DATE Dec 8/71

OPERATOR: CANADIAN DELHI

LEASE: Candel Etal TATE

WELL NO. 5-65 | FIELD OR DIST. | COUNTY NWT. | STATE

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2 SIZE 4½ | TOOL JOINT 6 5/4 O.D. | TYPE THD. X H

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lubscomb

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Emsco	DB-500	16"
2.	Emsco	DB-500	16"
3.			

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
	9 5/4			24	~~1028~~		1028	290 sks Cement 2% CaCl

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			1¼
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			2
LUBRICATE RIG		¼	¼
DEVIATION SURVEY			
TEST B.O.P.			1¼
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
~~DRILL STEM TEST~~ Drill out Plug			1½
OTHER Nipping up	8		1¾
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	8

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: Ray Lustes

FOOTAGE: FROM / TO | DR. RM. CORE C. | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE / S.P.M. | PUMP NO. LINER SIZE / S.P.M. | METHOD OF DRILLING SOLIDS PARTIAL P COMPOSITE

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
12:00	8 00	8	Nipping up BOPs
			Check Engine Kills - OK
			Fuel 6'7"

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
12	D.C. Squnaos I.D. O.D.	55.66 FT.
	STB. BODY O.D.	FT.
1	STB. ~~SLY~~ BODY O.D.	5.50 FT.
16	RMR. ~~SLY~~ BODY O.D.	8.63 FT.
1	SUBS XO O.D.	1.70 FT.
	BIT OR ~~C.B.~~	.70 FT.
1	3PT STR. Ream	5.82 FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	1
SIZE	8 3/4
MFG.	HW
TYPE	X16
NOZZLE NO.	2 1
NOZZLE SIZE	10 11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
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: Jim Trafton

FOOTAGE: FROM 1028 / TO / DR. RM. CORE C. / CORE NO. / FORMATION (SHOW CORE RECOVERY) / ROTARY RPM / WT. ON BIT 1000# / PUMP PRESS / PUMP NO. LINER SIZE / S.P.M. / PUMP NO. LINER SIZE / S.P.M. / METHOD OF DRILLING SOLIDS PARTIAL P COMPOSITE

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
8 00	8 15	¼	Rig Service
8 15	8 30	¼	Finish Nipple up BOPs
8 30	10 00	1½	Work on Accumulator & BOPs
10 00	11 30	1½	Work on STD Pipe Value Install New Rubber
11 30	2 00	2½	Repair Mud Valves Rep Value & Pumps
2 00	2 15	¼	Test Blind Rams 1800 PSI 15 min OK
2 15	4 00	1 3/4	Pick up 2 SGS 2 Reamers, 1 Stabilizer 1 Drill Collar

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
4	STANDS D.P.	377.96 FT.
1	SINGLES D.P.	31.58 FT.
18	D.C. 6 1/4 x 2 13/16 I.D. O.D.	537.81 FT.
2	D.C. SGS I.D. O.D.	55.66 FT.
1	STB. ~~SLY~~ BODY O.D.	5.50 FT.
1	~~STB.~~ XO BODY ~~SLY~~ O.D.	1.60 FT.
1	RMR. 6 PT BODY 8 STR	8.63 FT.
1	SUBS XO O.D.	1.70 FT.
	BIT OR C.B.	.70 FT.
1	3PT STR. Rum	5.82 FT.
	KELLY DOWN	41.00 FT.
	TOTAL	1068.00 FT.
	WT. OF STRING 75 M	LBS.

BIT RECORD

BIT NO.	1
SIZE	8 3/4
MFG.	HW
TYPE	X16
NOZZLE NO.	2-1
NOZZLE SIZE	10-11
SER. NO.	31328
DEPTH OUT	
DEPTH IN	1028
TOTAL FTG.	40
TOTAL HR. RUN	1 1/4
COND. OF BIT	R.
REAMER NO.	
REAMER TYPE	-

MUD RECORD

TIME	11.30
WEIGHT	8.3
VISC.-SEC	28
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT. %	
PRESSURE GRADIENT	

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

DRILLER: Ray Lustes

FOOTAGE 40: FROM 1028 / TO 1068 / DR. RM. CORE C. / CORE NO. / FORMATION (SHOW CORE RECOVERY) / ROTARY RPM 60 / WT. ON BIT 1000# 15 / PUMP PRESS 1300 / PUMP NO. LINER SIZE 5½ / S.P.M. 60 / PUMP NO. LINER SIZE / S.P.M. / METHOD OF DRILLING SOLIDS PARTIAL P COMPOSITE

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
4 00	4 15	¼	Rig Service
4 15	6 15	2	Thaw out Drill Collars & Run in
6 15	~~7 00~~	~~¾~~	Tag Cement Level Drill out Test Plug
7 00	7 15	¼	Test Csg to 500 lbs, OK - OK
7 15	7 30	¼	Rig Up & Test Lines to 500 lbs OK - OK
7 30	9 00	1½	Drill out Cement Hole
9 00	10 45	1 3/4	Drill out Plug / Float Collar / Cement / Guide Shoe
10 45	12 00	1 1/4	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. 8 DATE Dec. 7/71

OPERATOR: Canadian Delhi

LEASE: Cadel Decking ETAL TATE

WELL NO. 5-65 | FIELD OR DIST. | COUNTY N.W.T. | STATE

CONTRACTOR: Jennings International Drilling
A Division of Western Electronics & Engineering Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 2 SIZE 4½ | TOOL JOINT i.e. 3½" O.D. TYPE THD. XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER Joe Lutherenuk

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	36XNKK	25	1032.26		1028	790 SKS cmt + 2% CaCl

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	¾		
WAITING ON CEMENT	7¼		
DRILL STEM TEST			
OTHE			
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

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD
	STANDS D.P.	FT.	BIT NO.		TIME
	SINGLES D.P.	FT.	SIZE		WEIGHT
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC
			TYPE		W.L.-C.C.
	D.C. I.D. O.D.	FT.	NOZZLE NO.		FL TR. CK.
			NOZZLE SIZE		PH
	STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %
	STB. BODY O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT
	RMR. BODY O.D.	FT.	DEPTH IN		
	SUBS O.D.	FT.	TOTAL FTG.		MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.
	BIT OR C.B.	FT.	TOTAL HR. RUN		
		FT.	COND. OF BIT		
	KELLY DOWN	FT.	REAMER NO.		
	TOTAL	FT.	REAMER TYPE		DRILLER
WT. OF STRING		LBS.			

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 SOL.-S PART.-P COM.-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
12⁰⁰	12⁴⁵	¾	Run Cement & Displace Plug
12⁴⁵	8⁰⁰	7¼	WOC.
			Blow mud lines. Dig Cellar, change Heads, Liners, clean mud tanks

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD
	STANDS D.P.	FT.	BIT NO.		TIME
	SINGLES D.P.	FT.	SIZE		WEIGHT
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC
			TYPE		W.L.-C.C.
	D.C. I.D. O.D.	FT.	NOZZLE NO.		FL TR. CK.
			NOZZLE SIZE		PH
	STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %
	STB. BODY O.D.	FT.	DEPTH OUT		PRESSURE GRADIENT
	RMR. BODY O.D.	FT.	DEPTH IN		
	SUBS O.D.	FT.	TOTAL FTG.		MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT.
	BIT OR C.B.	FT.	TOTAL HR. RUN		
		FT.	COND. OF BIT		
	KELLY DOWN	FT.	REAMER NO.		
	TOTAL	FT.	REAMER TYPE		DRILLER Wayne Frykas
WT. OF STRING		LBS.			

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 SOL.-S PART.-P COM.-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
9⁰⁰	5¹⁵	¼	Rig Service
8¹⁵	4⁰⁰	7¾	Dig Down and Crib Slipping Cellar

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD
	STANDS D.P.	FT.	BIT NO.		TIME
	SINGLES D.P.	FT.	SIZE		WEIGHT
	D.C. I.D. O.D.	FT.	MFG.		VISC.-SEC
			TYPE		W.L.-C.C.
	D.C. I.D. O.D.	FT.	NOZZLE NO.		FL TR. CK
			NOZZLE SIZE		PH
	STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %
	STB. BODY	FT.	DEPTH OUT		PRESSURE GRADIENT
	RMR. BODY O.D.	FT.	DEPTH IN		
	SUBS O.D.	FT.	TOTAL FTG.		MUD & CH... TYPE AM...
	BIT OR C.B.	FT.	TOTAL HR. RUN		
		FT.	COND. OF BIT		
	KELLY DOWN	FT.	REAMER NO.		
	TOTAL	FT.	REAMER TYPE		DRILLER
WT. OF STRING		LBS.			

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 SOL.-S PART.-P COM.-C
1028								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
4⁰⁰	4¹⁵	¼	Rig Service
	6³⁰	2 ¼	Finish Dig Cellar
	7³⁰	1	Cut off conductor BBL, casing and
			Trim same
7¼	10⁰⁰	2 ½	Install OCT L-22 Well Head w/ 200 PSI
			Torque on studs
2⁰⁰	12⁰⁰	2	Nipple up BOP's

APPROVED APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 4 DATE DEC 6/71

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKMO ETAL TATE | WELL NO. J-05 | FIELD OR DIST. | COUNTY | STATE N.W.T

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. | RIG NO. 9

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Joe Lubasewich

DRILL PIPE STRING: NO. 5 SIZE 4½ | TOOL JOINT 6¾ O.D. | TYPE THD. X.H.

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G 500	16
2.	EMSCO	G 500	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 & CUT Casing		2	
DRILLING ACTUAL			
REAMING	3¼		
CONDITIONING MUD & CIRCULATING	1	2¼	
TRIPS	2¼	2	
LUBRICATE RIG	¼	¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING		½	
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER wet on shoe test	¾	1	
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: 8

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 7/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

NO. OF DAYS FROM SPUD 7

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
5	STANDS D.P.	472.08	FT.
	SINGLES D.P.		FT.
17	D.C. 6¼ I.D. O.D.	507.36	FT.
	D.C. I.D. O.D.		FT.
1	STB. BODY O.D. 8⅜	3.00	FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	2.75	FT.
1	SUBS O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1028.79	FT.
	WT. OF STRING 60 M.		LBS.

BIT RECORD			
BIT NO.	5A	IRR	
SIZE	8¾	13¾	
MFG.	H.W	REED	
TYPE	X.I.G.		
NOZZLE NO.	3	OPEN	
NOZZLE SIZE	12		
SER. NO.	24513		
DEPTH OUT	1028	1028	
DEPTH IN	371	371	
TOTAL FTG.	657	657	
TOTAL HR. RUN	16¼	16¼	
COND. OF BIT			
REAMER NO.			
REAMER TYPE			

MUD RECORD		
TIME	1.00	4.00
WEIGHT	9.4	9.6
VISC.-SEC	200	4.5.
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

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

DRILLER: Ed Begum

FOOTAGE 127 | 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.-S PART.-P COMB.-C
901	1028	K.		190	20M	850	7"	60	5½		S

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 SER.
12 15	2 45	2½	REAM 13¾" HOLE
2 45	3 30	¾	MUD CLOSED UP. COULDN'T CIRC.
3 30	4 30	1	REAM 13¾ HOLE
4 30	5 00	½	CIRC HOLE CLEAN
5 00	7 15	2¼	DUMMY TRIP MEASURE OUT
7 15	7 30	¼	BREAK CIRC. SLOWLY SO MUD WILL FLOW
7 30	8 30	1	CIRC HOLE

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.	5-A	Reamer	
SIZE	8¾	13¾	
MFG.	HW	Reed	
TYPE	XIG		
NOZZLE NO.	3		
NOZZLE SIZE	12		
SER. NO.	24513		
DEPTH OUT	1028	1028	
DEPTH IN	371	371	
TOTAL FTG.	657	657	
TOTAL HR. RUN	16¼	16¼	
COND. OF BIT			
REAMER NO.			
REAMER TYPE			

MUD RECORD		
TIME	3 30	10 30
WEIGHT	9.4	9.4
VISC.-SEC	270	400
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		
TYPE	CEL	
AMT.	200 #	

DRILLER

FOOTAGE | 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

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
8 15	10 00	1¾	Circulate hole
10 00	11 00	1	Dummy Trip
11 00	11 30	½	Circulate Hole
11 30	12 30	1	Pull out of hole
12 30	2 30	2	Rig up for Casing
2 30	3 30	1	Weld on Flange + Shoe
3 30	4 00	½	Run 9⅝ Casing

Reamed 23' @ 1028' K.B.

9⅝" @ 55.36' C.Sg

Shut down 24

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	9 30	
WEIGHT	9.2	
VISC.-SEC	150	
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		
TYPE	SAPP	
AMT.	200	

DRILLER

FOOTAGE 1028 | 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

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	8 00	3¾	RUN 9⅝" SURFACE CASING
8 00	10 45	2¼	CIRC WORK CASING
10 45	12 00	1¼	RUN CEMENT

APPROVED APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 6 DATE DEC 5/71

OPERATOR	LEASE	FIELD NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKAR ETAL TATE	J-65			W.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd.

RIG NO. 9

DRILL PIPE STRING NO. 5 SIZE 4½ — TOOL JOINT 6¾ O.D. — TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER George Ludmilson

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G 500	16"
2.	EMSCO	G 500	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		5	7¾
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG		¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG		2¾	
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 1/8	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OR TRIPS	
NO. OF DAYS FROM SPUD 6	
CUMULATIVE ROTATING HRS.	

MORNING 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.		FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	3.00	FT.
1	RMR. BODY O.D.	2.25	FT.
1	SUBS O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING 45 m. LBS.

BIT RECORD

BIT NO.	4A	5A	
SIZE	8¾	8¾	
MFG.	H.W.	H.W.	
TYPE	X.16	X.16	
NOZZLE NO.	2	3	
NOZZLE SIZE	12	12	
SER. NO.	28073	24513	
DEPTH OUT	1028		
DEPTH IN	321		
TOTAL FTG.	658		
TOTAL HR. RUN	[illegible]		
COND. OF BIT	2 3½		
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	12.00	2.00	
WEIGHT	9.1	9.4	
VISC.-SEC	46	525	
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500		

DRILLER Ed Bergum

FOOTAGE 38'

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 SOL.-S PART.-P COMP.-C
990	1028	D			80	15M	900	7"		5½		S

FUEL 1¼ FT.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1028	¼							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹³	¼	RIG SER
12¹³	2³⁰	2¼	DRILL 8¾ HOLE
2³⁰	3⁰⁰	¼	CIRC HOLE CLEAN
3⁰⁰	3³⁰	½	SURVEY @ 1028'
3³⁰	5⁰⁰	1½	TRIP OUT (MEASURE OUT.
5⁰⁰	5³⁰	½	LAY DOWN BOTTOM COLLAR, PICK UP 13¾ HOLE OPENER
5³⁰	7⁰⁰	1½	WELD CLEATS ON BIT & RUN IN
7⁰⁰	7³⁰	½	WORK ON PUMP
7³⁰	8⁴⁰	1	REAM HOLE TO 13¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
	STANDS D.P.		FT.
2	SINGLES D.P.	62.00	FT.
14	D.C. 6¼ I.D. O.D.	416.43	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	3.00	FT.
1	RMR. BODY O.D.	2.25	FT.
1	SUBS O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		FT.
	TOTAL	485.28	FT.

WT. OF STRING 50,000 LBS.

BIT RECORD

BIT NO.	5A	Reamer	
SIZE	8¾	13¾	
MFG.	HW	Reed	
TYPE	X1C		
NOZZLE NO.	3		
NOZZLE SIZE	12		
SER. NO.	24513		
DEPTH OUT			
DEPTH IN	373	373	
TOTAL FTG.		153	
TOTAL HR. RUN	5	5	
COND. OF BIT	0/3	0/3	
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	900	12:30	300
WEIGHT	94	94	94
VISC.-SEC	180	300	500+
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
GEL	3100 #		

DRILLER Ray J. Lesters

FOOTAGE 153'

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 SOL.-S PART.-P COMP.-C
332	485	R			120	10M	450	7"	60			

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	9:30	1¼	Ream 13¾" hole
9:30	12:15	2¾	Work on drawworks
12:15	4:00	3¾	Ream 13¾" hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			FT.
4	STANDS D.P.	377.20	FT.
	SINGLES D.P.		FT.
17	D.C. 6¼ I.D. O.D.	502.36	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.	2.25	FT.
	SUBS O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	10 ⁰⁰	FT.
	TOTAL	901.9'	FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	5A	Reamer	
SIZE	8¾	13¾	
MFG.	H.W.	Reed	
TYPE	X1C		
NOZZLE NO.	2		
NOZZLE SIZE	12		
SER. NO.	24513		
DEPTH OUT			
DEPTH IN	328		
TOTAL FTG.		664	
TOTAL HR. RUN	12¾		
COND. OF BIT	0/8	0/3	
REAMER NO.			
REAMER TYPE			

MUD RECORD

TIME	400	600	1000
WEIGHT	9.4	9.4	9.4
VISC.-SEC	630	670	734
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	300#		

DRILLER David Fuglas

FOOTAGE 516'

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 SOL.-S PART.-P COMP.-C
485	901	R			120	20M	850	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
4⁰⁰	4¹⁵	¼	Rig Service
4¹⁵	12⁰⁰	7¾	Ream 13¾ hole

APPROVED — APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 5 DATE DEC 4/71

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING ETAL TATE

WELL NO: J-65

FIELD OR DIST.:

COUNTY:

STATE: N.W.T.

CONTRACTOR: Jennings International Drilling
A Division of Western Electronics & Engineering Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½

TOOL JOINT: 6¾ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindbom

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G500	16
2.	EMSCO	G500	16
3.			

LAST CASING TUBING OR LINER

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

TIME DISTRIBUTION—HOURS

	MCRN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	4¾	7	6½
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY	1¼	¾	¼
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG	7¼		
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 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 5

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
1	STANDS D.P.	94.85	FT.
	SINGLES D.P.		FT.
18	D.C. 6¼ I.D. O.D.	538.82	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 C.O. O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	27.73	FT.
	TOTAL	663 00	FT.
WT. OF STRING	54,000		LBS.

BIT RECORD		
BIT NO.	4A	
SIZE	8¾	
MFG.	H.W	
TYPE	X.1G	
NOZZLE NO.	2	
NOZZLE SIZE	12	
SER. NO.	28072	
DEPTH OUT		
DEPTH IN	371	
TOTAL FTG.	292	
TOTAL HR. RUN	8¼	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	12.00	3.00	6.00
WEIGHT	9.3	9.3	9.4
VISC.-SEC	780	800	800
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER: Sol Bergum

FOOTAGE 144

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 SCLS PARTEL-P COMP'G
519	663				80	15m 8m 12m	750	7"		5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	516'	¼°		580'	¼°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	¼	R.G SER.
12 15	12 30	¼	SURVEY @ 516 ¼°
12 30	2 30	2	DRILL 8¾ HOLE
2 30	2 45	¼	SURVEY 580 ¼°
2 45	5 15	2½	DRILL 8¾ HOLE
5 15	7 45	2½	WORK ON #1 PUMP
7 45	8 00	¼	DRILL 8¾ HOLE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
2	STANDS D.P.	188.95	FT.
2	SINGLES D.P.	62.93	FT.
18	D.C. 6¼" I.D. O.D.	538.82	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 C/O O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	833.00	FT.
WT. OF STRING	56,000		LBS.

BIT RECORD		
BIT NO.	4-A	
SIZE	8¾	
MFG.	4W	
TYPE	X1G	
NOZZLE NO.	2	
NOZZLE SIZE	12	
SER. NO.	28072	
DEPTH OUT		
DEPTH IN	371	
TOTAL FTG.	462	
TOTAL HR. RUN	15½	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	11:00	1 00	3:00
WEIGHT	9,4	9.4	9.4
VISC.-SEC	270	600	500
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		

DRILLER: Ray Lester

FOOTAGE 170

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 SCLS PARTEL-P COMP'G
663	833	D			80	15m	900	7"	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	674'	¾°		770'	¾				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	Rig Service
8:15	8:30	¼	Drill 8¾ Hole
8:30	9:00	½	Survey @ 674
9:00	1:15	4¼	Drill 8¾ Hole
1:15	1:30	¼	Survey @ 770'
1:30	4:00	2½	Drill 8¾" HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
4	STANDS D.P.	377.70	FT.
1	SINGLES D.P.	31.39	FT.
18	D.C. 6¼ I.D. O.D.	538.82	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 C/O O.D.	1.60	FT.
	BIT OR C.B.	.65	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	990.25	FT.
WT. OF STRING	59,000		LBS.

BIT RECORD		
BIT NO.	4-A	
SIZE	8¾	
MFG.	H.W.	
TYPE	X1G	
NOZZLE NO.	2	
NOZZLE SIZE	12	
SER. NO.	28072	
DEPTH OUT	3	
DEPTH IN	371	
TOTAL FTG.	619	
TOTAL HR. RUN	20	
COND. OF BIT	0/B	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	4.30	8 00	
WEIGHT	9.4	9.4	
VISC.-SEC	600	630	
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SAWDUST	20SKS		
GEL	1000#		

DRILLER: Dave Fryfogle

FOOTAGE 157

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 SCLS PARTEL-P COMP'G
833	990	D			80	10m 15m	900	7"				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	823	¼°	986	¼°		948		¼°	

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 15	4 15	¼	RIG SERVICE
4 15	4 30	¼	SURVEY @ 823
4 30	6 30	2	DRILL 8¾" HOLE
6 30	7 00	½	Survey @ 986'
7 00	9 45	2¾	DRILL 8¾" HOLE
9 45	10 15	½	Survey @ 948 - 1¼°
10 15	12 00	1¾	DRILL 8¾" Hole

APPROVED

APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 4 DATE DEC 3/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMC ETAL TATE	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. | RIG NO. 9

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Luckenbach

DRILL PIPE STRING: NO. 2 SIZE 4½ | TOOL JOINT 6¾ O.D. TYPE THD. X.H.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G500	16
2.	EMSCO	G500	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			
CONDITIONING MUD & CIRCULATING	1¾	4½	
TRIPS			1½
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	6	7¼	2¾
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
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
9	D.C. 6¼ I.D. O.D.	262.50	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	2.25	FT.
1	SUB O.D.	1.60	FT.
	BIT OR C.B.		FT.
1	BELL SUB	3.00	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	310.35	FT.
	WT. OF STRING	42,000	LBS.

BIT RECORD

BIT NO.	3A	REAMER
SIZE	8¾	13¾
MFG.	H.W	REED
TYPE	X1G	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	35817	
DEPTH OUT		
DEPTH IN	0	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	12.00	3.00	6.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	275	290	310
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500#		

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.-S PART.-P COM.-C
[redacted]								7"		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 SER.
12.15	12.30	¼	CIRC & CLEAN HOLE
12.30	1.00	½	WORK TIGHT HOLE
1.00	1.30	½	CIRC HOLE CLEAN
1.30	2.00	½	WORK TIGHT HOLE
2.00	2.15	¼	CIRC HOLE
2.30	4.30	2	REAM BACK TO BOTTOM
4.30	5.00	½	CIRC HOLE CLEAN

5.00 REAM & WORK
8.00 3 TIGHT HOLE
GRAVEL SLOUGHING IN VERY SEVERE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
11	D.C. 4¼ I.D. O.D.	325.53	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.	2.25	FT.
1	SUB O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	26.00	FT.
	TOTAL	358.38	FT.
	WT. OF STRING	46,000	LBS.

BIT RECORD

BIT NO.	3A	Reamer
SIZE	8¾	B¾
MFG.	HW	Reed
TYPE	X1G	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	35817	
DEPTH OUT		
DEPTH IN	0	
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT		
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	10.00	2.00	3.00
WEIGHT	9.2	9.2	9.2
VISC.-SEC	500	500+	500+
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		

DRILLER Ray J Tedus

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
					80	10000	700	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	3.30	7¼	Clean To Bottom of Hole
3.30	4.00	½	Circulate hole clean

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
16	D.C. [illegible] I.D. O.D.	[illegible]	FT.
16	D.C. 6¼ I.D. O.D.	476.64	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
	RMR. BODY O.D.		FT.
	SUB O.D.	1.60	FT.
	BIT OR C.B.	.65	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	519.89	FT.
	WT. OF STRING	49,000	LBS.

BIT RECORD

BIT NO.	4A	
SIZE	8¾	
MFG.	HW	
TYPE	X1G	
NOZZLE NO.	2	
NOZZLE SIZE	12	
SER. NO.	28[illegible]2	
DEPTH OUT		
DEPTH IN	371	
TOTAL FTG.	148	84
TOTAL HR. RUN	3¾	
COND. OF BIT	0/0	
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.00	10.00
WEIGHT	9.2	9.2
VISC.-SEC	500+	640
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLER Dave Fryhoff

FOOTAGE 148'

FROM	TO	DR.-D RM.-P 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
371	519	D			84	10m 15m		7				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
426	½°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	Rig Service
4.15	4.45	½	Circ & CLEAN HOLE
4.45	6.15	1½	TRIP W/ REAMER & RUN W/ 8¾"
6.15	8.00	1¾	CLEAN BRIDGE at 324. & CLEAN BOTTOM to 371
8.00	10.15	2¼	DRILL 8¾ HOLE
10.15	10.30	¼	SURVEY @ 426
10.30	12.00	1½	DRILL 8¾ HOLE

APPROVED APPROVED

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

DAILY DRILLING REPORT

REPORT NO. 3 DATE DEC 2/91

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DECKMC, ET-AL TATE J65-65				N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd.

RIG NO. 9

DRILL PIPE STRING: NO. 2, SIZE 4½ — TOOL JOINT 6⅝ O.D., TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindbiksen

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G500	16"
2.	EMSCO	G500	16"
3.			

LAST CASING TUBING OR LINER

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

MORNING TOUR

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING		7¾	2¼
CONDITIONING MUD & CIRCULATING			4
TRIPS			
LUBRICATE RIG	¼	¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
TRIP IN REPAIR RIG FISH			
CORING			
WIRE LINE LOGGING			
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

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
1	D.C. 6¼ I.D. O.D.	31.01	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	2.25	FT.
1	SUBS BELL O.D.	3.00	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	¾	FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	3A
SIZE	8¾
MFG.	H.W
TYPE	X1G
NOZZLE NO.	3
NOZZLE SIZE	12
SER. NO.	36817
DEPTH OUT	
DEPTH IN	0
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: Ted Bergum

FOOTAGE 30

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	30											
				FUEL 8¼ FT.								

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
12¹⁵	2⁰⁰	1¾	TONG OUT FISH
2⁰⁰	2¹⁵	¼	MOVE FISH DOWN 30'
2¹⁵	2⁴⁵	½	RIG UP KELLY TO CIRC (BIT PLUGGED)
2⁴⁵	4¹⁵	½	PULL OUT WITH FISH
4¹⁵	5⁰⁰	¾	LAY DOWN SQ D.C. & FISHING TOOL
5⁰⁰	6⁰⁰	1	PICK UP WASH PIPE & MOVE IT OFF WALK
6⁰⁰	7⁰⁰	1	PICK UP HOLE OPENER & MAKE UP SAME
7⁰⁰	7³⁰	½	TRIP IN CIRC HOLE
7³⁰	8¹⁵	¾	REAM TO 13¾ HOLE

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
2	SINGLES D.P.	63.20	FT.
5	D.C. 6¼ I.D. O.D.	144.89	FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	3.00	FT.
1	RMR. BODY O.D.	2.25	FT.
1	SUBS O.D.	1.60	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	15.00	FT.
	TOTAL	230	FT.
WT. OF STRING		36,000	LBS.

BIT RECORD

BIT NO.	3-A	Reamer 1
SIZE	8 ¾	13¾
MFG.	H.W	
TYPE	X1G	RETD
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	35817	
DEPTH OUT		
DEPTH IN	0	0
TOTAL FTG.		
TOTAL HR. RUN		7¾
COND. OF BIT		0/B
REAMER NO.		
REAMER TYPE		Reed

MUD RECORD

TIME	9.00	12.00	2.00
WEIGHT	9.0	8.9	9.1
VISC.-SEC	60	160	180
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	44 sx		
Caustic	200#		

DRILLER: Ray Lestus

FOOTAGE 200'

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
~~30~~	~~930~~	R			80	5000	450	7"	60			
30	930	R										
~~930~~												

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	Reaming hole out to 13¾"

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
2	SINGLES D.P.	63.20	FT.
8	D.C. 6¼ I.D. O.D.	279.80	FT.
	D.C. I.D. O.D.		FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	1.60	FT.
1	RMR. BODY O.D.	2.25	FT.
1	SUBS BELL O.D.	3.00	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	342.	FT.
WT. OF STRING		40,000	LBS.

BIT RECORD

BIT NO.	3A	Reamer 1
SIZE	8¾	13¾
MFG.	H.W	REED
TYPE	X1G	
NOZZLE NO.	3	
NOZZLE SIZE	12	
SER. NO.	35817	
DEPTH OUT		0
DEPTH IN		
TOTAL FTG.		
TOTAL HR. RUN		
COND. OF BIT	0/E	0/B
REAMER NO.		
REAMER TYPE		

MUD RECORD

TIME	400	700	1000
WEIGHT	9.0	9.1	9.2
VISC.-SEC	100	130	300
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT. %			
PRESSURE GRADIENT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		

DRILLER: Diane Taylor

FOOTAGE 112

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
230	342	R			80	10M	450	7"	60			

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 SERVICE
4¹⁵	5⁴⁵	1½	CLEAN FILL TO BOTTOM + WORK CONNECTION
5⁴⁵	8⁰⁰	2¼	REAM HOLE to 13¾"
8⁰⁰	12⁰⁰	4	CIR. & CLEAN HOLE @ 342 - WORK TIGHT HOLE GRAVEL SLOUGHING

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	3
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. 2 — DATE DEC 1 1971

OPERATOR: CANADIAN DELHI

LEASE: CANDEL DECKING ET AL J-65 — WELL NO. J-65 — FIELD OR DIST. — COUNTY — STATE N.W.T.

CONTRACTOR: Jennings International Drilling, A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

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

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Lindbohm

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G500	16"
2.	EMSCO	G500	16
3.			

LAST CASING, TUBING OR LINER

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	8	7¾	
TRIPS			
LUBRICATE RIG		¼	1¼
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			5¼
FISHING			2½
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 2

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
1	D.C. 8" I.D. O.D.	29.68	FT.
11	D.C. 6¼ I.D. O.D.	326.19	FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	1.70	FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	2.59	FT.
	BIT OR C.B.	.65	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	371.00	FT.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	2A
SIZE	8¾
MFG.	HW
TYPE	X1G
NOZZLE NO.	2
NOZZLE SIZE	12
SER. NO.	35827
DEPTH OUT	
DEPTH IN	193
TOTAL FTG.	177
TOTAL HR. RUN	7
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10	2 00
WEIGHT	8.7	8.7
VISC.-SEC	90	125
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2 SKS.		
CAUSTIC	~~1~~		

DRILLER Ted Bergum

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C
371'		

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
7"		5½		S

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	WAIT ON WATER, MIX GEL & LOST CIRCULATION MATERIAL.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
1	D.C. 8" I.D. O.D.	29.68	FT.
11	D.C. 6¼ I.D. O.D.	326.19	FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	1.70	FT.
	RMR. BODY O.D.		FT.
1	SUBS O.D.	2.59	FT.
	BIT OR C.B.	.65	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	371.00	FT.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	2-A
SIZE	8¾
MFG.	HW
TYPE	V1G
NOZZLE NO.	1
NOZZLE SIZE	12
SER. NO.	35827
DEPTH OUT	
DEPTH IN	193
TOTAL FTG.	177
TOTAL HR. RUN	
COND. OF BIT	0/0
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	9:00	2:00
WEIGHT	9.2	9.2
VISC.-SEC	90	125
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2600#		
Caustic	100#		

DRILLER Ray J. Lustus

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C
371'		

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
8:00	8:15	¼	Rig Service
8:15	4:00	7¾	Stuck in hole + waiting on washover Pipe

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 40,000 LBS.

BIT RECORD

BIT NO.	2A
SIZE	8¾
MFG.	HW
TYPE	X1G
NOZZLE NO.	1
NOZZLE SIZE	12
SER. NO.	35827
DEPTH OUT	
DEPTH IN	193
TOTAL FTG.	177
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	X 00	
WEIGHT	9.2	
VISC.-SEC	160	
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	900#		
SAWDUST	20 SKS		

DRILLER Dave Fryfas

FOOTAGE

FROM	TO	DR.-D RM.-R CORE-C
371		

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
4 00	4 15	¼	Rig Service
4 15	7 30	3¼	WAIT ON WASH PIPE
7:30	8:30	1	UNLOAD FISHING GEAR
8:30	9:30	1	RIG UP GEAR, BREAK off Kelly, FISH MOVED
9:30	12 00	2½	ROTATE FISH W/ TONGS

APPROVED — APPROVED

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

DAILY DRILLING REPORT — REPORT NO. 1 — DATE NOV 30/71

OPERATOR	LEASE	WELL NO.	FIELD OR DIST.	COUNTY	STATE
CANADIAN DELHI	CANDEL DEEKMG ET AL TATE J-65	J-65			N.W.T.

CONTRACTOR: Jennings International Drilling — A Division of Western Electronics & Engineering Ltd. — RIG NO. 9

DRILL PIPE STRING: No. 2, SIZE 4 IN — TOOL JOINT 6 3/4 O.D. — TYPE THD. X.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: George Ludmerer

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EMSCO	G500	16"
2.	EMSCO	G-500	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	2 1/4		
DRILLING ACTUAL	5 1/2	3 1/4	4
REAMING		1 1/2	
CONDITIONING MUD & CIRCULATING			
TRIPS		2 3/4	
LUBRICATE RIG	1/4	1/4	1/4
DEVIATION SURVEY		1/4	1/4
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			3 1/2
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 1

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
4	D.C. 6 1/4 I.D. / O.D.	118.24	FT.
1	D.C. [illegible] I.D. / O.D.	29.68	FT.
	STB. BODY O.D.		FT.
	STB. BODY O.D.		FT.
1	RMR. BODY O.D.	2.59	FT.
1	SUBS O.D.	1.70	FT.
	BIT OR C.B.	.65	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	193.86	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	1A
SIZE	8 3/4
MFG.	H.W
TYPE	X-1G
NOZZLE NO.	2
NOZZLE SIZE	12
SER. NO.	35826
DEPTH OUT	193
DEPTH IN	0
TOTAL FTG.	193
TOTAL HR. RUN	5 1/4
COND. OF BIT	O/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.

DRILLER: Ted Bergum

FOOTAGE 193

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 PART'L-P COMP'D-C
0	193				90	8	950	7"	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
60'	1/4°		90°	1/4°				

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	1/4	[redacted] R.C SER.
12 15	1 45	1 1/2	DRILL 8 3/4" HOLE
1 45	4 00	2 1/4	WORK ON #1 PUMP
4 00	8 00	4	DRILL 8 3/4" HOLE
			SPUD @ 12:15 AM Nov 30
			Rotary

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
6	D.C. 6 1/4 I.D. / O.D.	175.35	FT.
1	D.C. Square I.D. / O.D.	29.68	FT.
	STB. BODY O.D.		FT.
1	STB. BODY O.D.	2.59	FT.
1	RMR. BODY O.D.	1.70	FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	250.32	FT.
WT. OF STRING	40,000		LBS.

BIT RECORD

BIT NO.	2A
SIZE	8 3/4
MFG.	HW
TYPE	X-1G
NOZZLE NO.	2
NOZZLE SIZE	12
SER. NO.	35827
DEPTH OUT	[illegible]
DEPTH IN	193
TOTAL FTG.	56
TOTAL HR. RUN	3 hrs.
COND. OF BIT	O/B
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	10.00	3.00
WEIGHT	8.9	9.2
VISC.-SEC	38	85
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	5800#		

DRILLER: Ray Lestus

FOOTAGE 56

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 PART'L-P COMP'D-C
193	250	D			90	10	450	7"	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
190'	1/4°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	Rig Service
8:15	9:30	1 1/4	Trip for Plugged Bit
9:30	11:45	2 1/4	Drill 8 3/4" Hole
11:45	12:00	1/4	Survey at 190 ft.
12:00	1:30	1 1/2	Trip for Plugged Bit
1:30	3:00	1 1/2	Ream to Bottom
3:00	4:00	1	Drill 8 3/4" Hole
			Drilling in Fine Gravel

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
1	D.C. Square I.D. / O.D.	29.68	FT.
11	D.C. 6 1/4 I.D. / O.D.	326.19	FT.
1	STB. BODY O.D.	2.59	FT.
1	STB. BODY O.D.	1.70	FT.
	RMR. BODY O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.	.65	FT.
			FT.
	KELLY DOWN	41.00	FT.
	TOTAL	371.48	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	2A
SIZE	8 3/4
MFG.	HW
TYPE	X1G
NOZZLE NO.	2
NOZZLE SIZE	12
SER. NO.	35827
DEPTH OUT	
DEPTH IN	193
TOTAL FTG.	177
TOTAL HR. RUN	7
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	4:00	8:00
WEIGHT	9.2	9.2
VISC.-SEC	80	94
W.L.-C.C.		
FLTR. CK		
PH		
SD. CONT. %		
PRESSURE GRADIENT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4200#		
CAUSTIC	100#		
SAWDUST	20 SKS		

DRILLER: Dave Frykas

FOOTAGE 121

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 PART'L-P COMP'D-C
250	371	D			90	10 m	450	7"	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
280'	1/2°							

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	1/4	RIG SERVICE
4 15	6 15	2	DRILL 8 3/4" HOLE
6 15	6 30	1/4	SURVEY @ 280'
6 30	8 30	2	DRILL 8 3/4" HOLE
8 30	12 00	3 1/2	LOSE CIRC.
			MIX MUD

APPROVED — APPROVED

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

65°00'

24° 30'

62 78

6188

6187

6186

5525

5524

5523

5424

5423

MACKENZIE RIVER

GHLAT

HI AM

FISH LAKE

LAKE TAGATUI

I.OON LAKE

MACKAY

CREEK

JACKFISH LAKE

EAST

LITTLE

BEAR

YELLOW LAKE

RIVER

RUSTY LAKE

SIMPH

LITTLE

BIG

SMITH

RIVER

SMITH

TATE

LAKE

STEWART LAKE

TERTIARY

CRK.

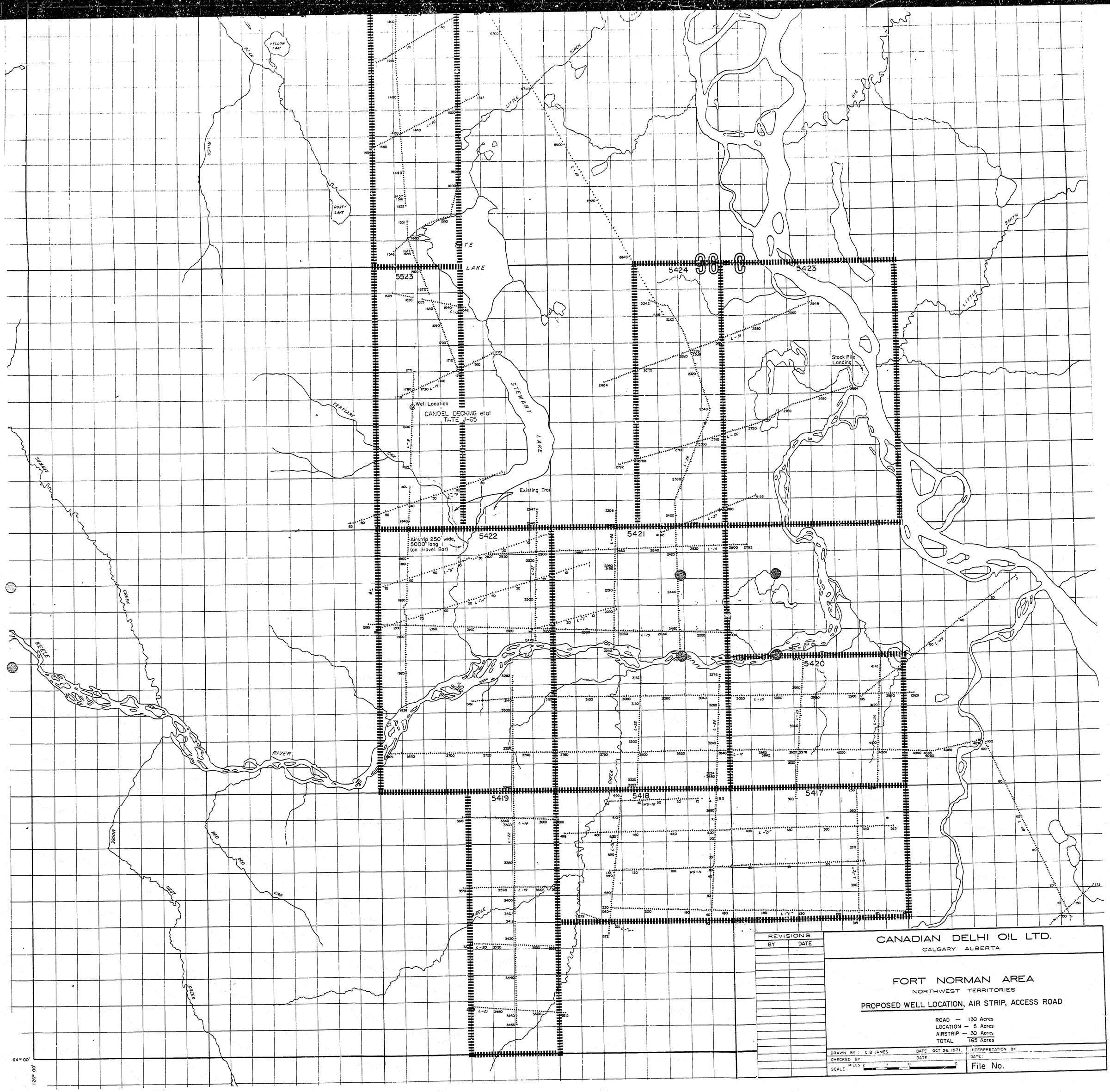
SUMMIT

Well Location
CANDEL DECKMG et al
TATE J-65

Existing Trai

Stock Pile Landing

LITTLE



REVISIONS	
BY	DATE

CANADIAN DELHI OIL LTD.

CALGARY ALBERTA

FORT NORMAN AREA

NORTHWEST TERRITORIES

PROPOSED WELL LOCATION, AIR STRIP, ACCESS ROAD

ROAD — 130 Acres
LOCATION — 5 Acres
AIRSTRIP — 30 Acres
TOTAL 165 Acres

DRAWN BY : C B JAMES	DATE OCT 26, 1971.	INTERPRETATION BY	
CHECKED BY	DATE :	DATE	
SCALE : MILES 2 1 0 2		File No.	