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

OIL & [redacted]L DIVISION
DIVISION [redacted] PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

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

Date Issued
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*
Amoco Candex Shell A-1 Red Dog K-29	3424	N/A

(Permittee, License, Lessee) — *(Détenteur de permis ou de licence, du concessionnaire)*	Exploratory Licence No. — *N° de licence de sondage*
Shell Canada Ltd. & Shell Explorer Ltd.	119
(Operator) — *(Exécutant)*	Exploratory Licence No. — *N° de licence de sondage*
Amoco Canada Petroleum Company Limited	121

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
K	29	64-10-125-30	64°08'43"	125°34'55"

Unique Well Identifier — *Code d'ordinateur*	Universal Well Location Reference — *Références universelles d'emplacement du puits*
300K296410125300	N 64.14258 & W. 125.58194°

	Date	Depth — *Profoneur*
Spudded *Dëbut des travaux*	1/11/72	
Suspended *Suspension des travaux*		
Resumed Operations *Reprise des travaux*		
Finished Drilling *Forage terminé*	3/28/72	7050'
Deepened *Approfondissement*		
Complete (Gas, Oil) *Achèvement (Gaz/Pétrole)*		
Abandoned *Abandon*	3/30/72	
Rig Released *Fin des travaux*	3/28/72	

Pool(s) *Gisement(s)*

Interval(s) Open to Production *Intervalle(s) de production* None

Elevation: Gr. *Altitude du sol* 1825 K.B. *du carré d'entraînement* 1839

Rig No. *N° de la tour de forage* 19 Drilling Contractor *Entrepreneur en forage* Thomson Drilling Ltd.

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

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.	8 5/8	K-55	24#	17 Jts.	750' KB	(1) 546 sxs neat + 4% CaCl w/25#/100 sxs
2.						
3.						(2) Recement with 100 sx neat + 4% CaCl & 25# Ge flake & 25 sxs sawdust
4.						
5.						(3) Recement again with same as previous.
6.	7	K-55	26#	77 Jts.	2910' KB	235 sx neat + 2% $CaCl_2$

Geological Tops *Sommet des formations*	Elevation — *Profondeur* Depths *Sous le niveau du sol*	Sub-Sea *Sous le niveau de la mer*
Headless	336'	
Laundry	519'	
~~Arnica~~	~~722'~~	
Bear Rock	840'	
~~Fault~~	~~1850'~~	
Camseli	2053'	
Delorme	2243'	
~~Fault to B.R.~~	~~2836'~~	
~~Delorme~~	~~5380'~~	
	~~7050 TD'~~	

Core Record — *Carottes*

From — *de*	To — *à*	Rec. *Récupérés*	From — *de*	To — *à*	Rec. *Récup.*
2368	2393	25			
2394	2403	9			
2403	2431	28			
2605	2634	29			

Log Record — *Diagrammes*

Run *Série*	Type of Log *Genre de diagramme*	From — *De*	To — *À*
2/28	SNP	2923	754
3/26	SNP	7047	2918
2/28	BHC	2925	1368
3/26	BHC	7046	2700
1/17	DIL	748	68
2/28	DIL	2920	754
3/26	DIL	7044	2918
2/28	Comp. Form. Density	2923	754
3/26	Comp. Form. Density	7047	2918
2/28	Cont. Dipmeter	2918	760
3/26	Cont. Dipmeter	7044	2918
1/18	Gamma Ray Caliper	752	120

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JUN - 9 1972
YELLOWKNIFE, N.W.T.
NORTHERN [illegible] BRANCH

52-98-2 (7-71)

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

Date	From – de	To – à	Remarks – Remarques
2/3/72	1395'	700'	300 sx neat + 3% $CaCl_2$ + 50# Gelflake (felt at 1300')
2/4/72	On top of	Previous Plug	80 sx neat + 3% $CaCl_2$ (felt at 1318')
3/27/72	7050'	6950'	25 sx neat (No feel)
3/27/72	2950'	2850'	35 sx neat + 3% $CaCl_2$ (felt at 2942')
~~3/27/72~~	~~2942'~~	~~2850'~~	~~35 sx neat + 3% $CaCl_2$~~
3/29/72	Below casing bowl		5 sxs neat

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 faillissement	F.F.B.H.P. Pression de fond à l'écoulement définitif	L.H.P. Pression hydrostatique de début	F.H.P. Pression hydrostatique définitif	Remarks – Remarques

ANALYSIS – ANALYSE

Lab. No. N° de laboratoire	Sample Échantillon	From – de	To – à	Source	Remarks – Remarques

PRESENT STATUS OF WELL / ÉTAT ACTUEL DU PUITS

Oil Pétrole		(Interval) (Intervalle)
Gas Gaz		(Interval) (Intervalle)
Dry Sec	X	
Susp. Travaux sus.		

Company Société: Amoco Canada Petroleum Co. Ltd.

Signed by Signé par: Wm. T. McKenzie

Title Titre: for Area Superintendent

Date: June 5, 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.

n

Drilling Authority No. 561

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

Application to Amend a Drilling Authority

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

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Project ~~Authority~~ No. 561, concerning

Amoco.LL&E.Shell.A-1.Red.Dog.H-40

(Name and Number of Well)

To change the name and location of the subject well as follows:

Name and Number of Well: Amoco. Candex. Shell. A-1. Red. Dog. K-29

Location: Unit K, Section 29

Latitude 64°08'43"N. Longitude 125°34'55"W.

Reasons for the amendments: The location was moved slightly due to the terrain on the previous site being undesireable for a drilling site. The name was changed as Lousianna Land & Exploration have advised that Candex is their subsidiary licenced to explore Federal Lands.

Dated at Grande Prairie, this 10 day of January, 19 72

Signed by

Title Area Foreman

Company Amoco Canada Petroleum Company Ltd.

(For Oil and Mineral Division use only)

APPROVED

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

Date Jan. 18, 19 72

District Conservation Engineer

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

IAND 52-90-3 (7-71)

Voir au verso

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JUN - 9 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

CANADA

Drilling Authority No. 561

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: AmocoCandexShell A-1 Red Dog K-29

Location: Unit: K Section: 29 Grid: 64-10-125-30

Latitude: 64° 08' 43" Longitude: 125° 34' 55"

From Established Reference Marker: 300K29 6410125300

Universal Well Location Reference: N. 64.14258° & W. 125.58194°

Permit No.: 3424 Lease No.: N/A

Shell Canada Ltd. & Shell Explorer Ltd.
(Permittee, Licencee, Lessee)

Date of commencement of proposed program: March 27, 1972

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at: -

Gas at: -

Water at: -

Total Depth: 7050' KB Date of last operations: April 2, 1972

Present condition of well: Plugged and abandoned

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1.	8 5/8	K-55 24#	17 Jts.	750' KB	(1) 546 sxs neat + 4% CaCl w/25#/100 sxs	
2.					(2) Recement with 100 sx neat + 4% CaCl & 25# Celflake and 25 sxs sawdust	
3.					(3) Recement again with same as previous.	
4.	7	K-55 26#	77 Jts.	2910' KB	235 sx neat + 2% $CaCl_2$	
5.						

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	7050' - 6950'	Delorme	25 sxs neat	(Feel after 8 hrs.)
2	2950' - 2850'	Bear Rock	35 sxs neat + 3% $CaCl_2$	(Feel after 8 hrs.)
3	2942' - 2850'	Bear Rock	35 sxs neat + 3% $CaCl_2$	(Feel after 8 hrs.)
4	Below Casing Bowl		5 sxs neat	(Feel after 8 hrs.)

The following logs have been run: FDL, DIL, BHC, SNPL, GR-Caliper, Continuous Dipmeter

Other operations proposed: None

Operations to be carried out by: Thomson Drilling Limited Contractor Licence No.:

Address: 9929 - 60 Avenue, Edmonton Address: 9916A - Richmond Avenue

Responsible Agent in field: Amoco Canada Petroleum Co. Ltd.

Dated at: Grande Prairie, this: 31st Day of: May 19 72

Signed by: Wm. T. McKenzie Company: Amoco Canada Petroleum Company Ltd.

Title: for Area Superintendent Operator's Exploratory Licence No.: 119 & 121

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Dated: June 7, 19 72

L. G. Bell
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

Drilling Authority No. 561

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

Application to Amend a Drilling Authority

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

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Project ~~Authority~~ No. 561, concerning

Amoco LL&E Shell A-1 Red Dog K-40

(Name and Number of Well)

To change the name and location of the subject well as follows:

Name and Number of Well: Amoco Candex Shell A-1 Red Dog K-29

Location: Unit K, Section 29

Latitude 64°08'43"N Longitude 125°34'55"W

Reasons for the amendments: The location was moved slightly due to the terrain on the previous site being undesireable for a drilling site. The name was changed as Louisiana Land & Exploration have advised that Candex is their subsidiary licenced to explore Federal Lands.

Dated at Grande Prairie, this 10 day of January, 19 71

Signed by [signature]

Title Area Foreman

Company Amoco Canada Petroleum Company Ltd.

(For Oil and Mineral Division use only)

APPROVED

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

Date Jan. 18, 19 71

[signature]

District Conservation Engineer

IAND 52-90-3 (7-71)

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

Voir au verso

N° de l'autorisation de forage: .....

CANADA

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande d'autorisation de forage

La présente demande doit être remplie en trois exemplaires, puis présentée et approuvée avant le début des travaux. Si l'emplacement du (des) puits est modifié, la demande doit être accompagnée, au besoin, d'un levé approuvé par l'Arpenteur général.

Conformément au Règlement sur les terres pétrolifères et gazifères du Canada, il est demandé par la présente de modifier l'autorisation de forage n° ....., concernant .....

.....

(nom du (des) puits et nombre)

Les modifications ci-après sont demandées: .....

.....

.....

.....

.....

.....

.....

.....

.....

Motifs de la demande: .....

.....

.....

.....

.....

Fait à ....., ce ..... jour de ....., 19.....

Signée par .....

Poste: .....

Société: .....

(A l'usage de la Division du pétrole et des minéraux)

APPROBATION

La présente demande a été étudiée et approuvée sous réserve des conditions suivantes: .....

.....

.....

.....

.....

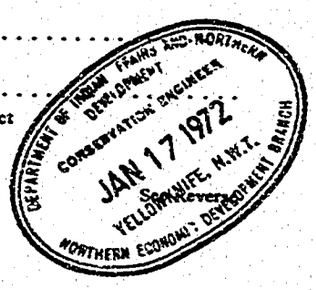
Date: ....., 19 .....

.....

Ingénieur en conservation du district

Adresser vos demandes à l'ingénieur en conservation du district, Ministère des Affaires indiennes et du Nord canadien.

IAND 52-90-3 (7-71)



Kuskokwim River
N

Drilling Authority No. .....
Project No. ...561.....

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 ...Amoco LL&E:Shell A-1 Red Dog H-40.....

Location: Unit .....H..... Section .....40..... C... ..64-10-125-30.....
Latitude ...64° 09' 20"..... Longitude ...125° 36' 00".....
Unique Well Ident fier.... 300H406410125300.....
Universal Well Location Reference N. 64.15555° ... & ..W. 125.60000°.....

Elevation: Ground ....2600..... K.B. .....2614..... feet above sea-level.
Well is expected to produce from .....Ronning..... formation at a depth
of about .....2800..... feet. Expected total final depth .7000 feet. (Cambrian).....
Area assigned to well .....Wildcat.....
(for District Conservation Engineer's use only)

.....

Permit No. .....3424..... Lease No. .....N/A..... Acreage ...56,000.....
Permittee, licensee, or lessee ..Shell Canada Limited and Shell Explorer Ltd.....
Explanatory Licence No. ..119 & 121 .....
Surface owned by Crown or .....
(if alienated submit name and address of owner and occupant.)

Petroleum and natural gas rights owned by ....Crown.....
We propose to use the following strings of casing, either cementing or landing them as indicated below:–

Ceasing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. ...8.5/8.....	....24...	.....K-55.....	.....New.....	..0-800...	To. Surface
2. ...16".....	....55...	.....F-25.....	.....New.....	..60'....	To. Surface
3.	.....	.....	.....	.....	.....
4.	.....	.....	.....	.....	.....
5.	.....	.....	.....	.....	.....

Expected water, gas, and oil horizons and type of control equipment..Ronning. (Oil and/or Gas).....
...Drilling Mud & Blowout Preventors.....
...1 Hydril & 1 Double Gate Schaffer Hydril with remote control.....
.....
Well will be drilled with Rotary Rig No. ....19.... by .Thomson Drilling (Canada) Ltd.....
(Drilling Contractor or company)

.....

Responsible agent of applicant:– Contractor's Business Licence No....0995.....
At well...A. F. Holan..... At registered office....A. F. Holan.....
Address .9916A Richmond Ave., Grande Prairie, Alta. Address .9916A Richmond Avenue, Grande Prairie, Alta.
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at ..Grande Prairie....., this ....17..... day of ....November.....19.71
Signed by ....A. F. Holan..... Company .Amoco Canada Petroleum Company Ltd.
Title ....Area Foreman..... Operator's Licence No. .....1431.....

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:
.....See attached sheet.....
.....
.....
Dated..Dec. 1.....19.71..... ...F. C. Blue.....
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

Nº de l'autorisation de forage. . . . . .
Nº de projet. . . . . .

CANADA

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande d'autorisation de forage

Avant de commencer les travaux, soumettre (en triple exemplaire) et faire approuver le présent avis (indiquant l'intention d'entreprendre des travaux de forage) et, au besoin, un plan d'arpentage reconnu par l'arpenteur général, montrant l'aire de sondage ou l'emplacement du puits.

Conformément au «Règlement sur les terres pétrolifères et gazifères du Canada», nous demandons l'autorisation d'effectuer des travaux de forage.

Nom et nº du puits . . . . . .

Emplacement: Unité . . . . . Section . . . . . Étendue quadrillée . . . . . .
Latitude . . . . . Longitude . . . . . .
Code d'ordinateur . . . . . .
Références universelles d'emplacement du puits. . . . . .

Élévation: du sol . . . . . du carré d'entraînement . . . . . .pieds au-dessus du niveau de la mer
Production prévue quand les tiges atteindront la formation . . . . . à une profondeur approximative de
. . . . . pieds. Profondeur totale prévue. . . . . .
Superficie assignée au puits . . . . . .
(à l'usage de l'ingénieur en conservation du district)

. . . . . .
Nº de permis . . . . . Nº de concession . . . . . Superficie . . . . . .
Détenteur de permis ou de licence, ou concessionnaire . . . . . .
Nº de licence de sondage. . . . . .
Terres appartenant à la Couronne ou à . . . . . .
(Dans le cas de terres aliénées, donner le nom et l'adresse du propriétaire et de l'occupant)
Détenteur(s) des droits pétroliers et gaziers . . . . . .
Nous prévoyons utiliser les colonnes de tubage suivantes et de les cimenter ou de les sceller, tel qu'il est indiqué ci-dessous:—

Diamètre extérieur (en pouces) de tubages	Poids (liv./pi.)	Qualité	Tubages neufs ou usagés	Profondeur estimative	Sacs de ciment
1.					
2.					
3.					
4.					
5.					

Nappes d'eau, de gaz et de pétrole prévues et genre de matériel anti-éruption. . . . . .
. . . . . .
. . . . . .
. . . . . .
Le puits sera foré à l'aide de la tour rotary nº. . . . . par . . . . . .
(Entrepreneur ou société de forage)

. . . . . .
Agent responsable pour le requérant:— Nº de permis de l'entrepreneur . . . . . .
Sur le chantier . . . . . Au siège . . . . . .
Adresse . . . . . Adresse . . . . . .
Il est entendu que, dans le cas de modifications indispensables, un avis sera soumis.
Datée — . . . . . le . . . . . 19. . . . .
Signé par . . . . . Société. . . . . .
Titre . . . . . Nº de licence de sondage de l'exécutant . . . . . .

(À l'usage de la Division du pétrole et des minéraux)

APPROBATION

Demande étudiée et approuvée sous réserve des conditions suivantes:
. . . . . .
. . . . . .
. . . . . .
Date . . . . . 19. . . . . .
Ingénieur en conservation du district

Présenter les formules à l'ingénieur en conservation du district,
Ministère des Affaires indiennes et du Nord canadien.

See Reverse

Canada Oil and Gas Lands Administration / Administration du pétrole et du gaz des terres du Canada

				Well Status	
Nova Scotia	☐	West Coast	☐	Suspended	☐
Newfoundland	☐	Northern	☒	Completed	☐
Gulf of St. Lawrence	☐	Hudson Bay	☐	Abandoned	☒

WELL TERMINATION RECORD

This record is submitted in triplicate in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations

WELL DATA

Well Name: Amoco Canada Shell A-1 Red Dog K-29 Area:

Grid Area: 64-10-125-30 Field/Pool: Wildcat

Permit or Lease No.: 3424 Final Coordinates: Lat.: 64° 8' 43" N Long.: 125° 34' 55" W

Drilling Unit: Elevations: RT/KB 560.5 m GR/GL 556.3 m

Spud Date: 72-01-11 Rig Released: 72-03-28 Total Depth: 2 149 mKB

CASING AND CEMENTING

O.D.	Weight	Grade	Depth Set	Cement and Additives
219.1 mm	35.71 kg/m	K-55	229 m	OWG + 4% $CaCl_2$
177.8 mm	38.69 kg/m	K-55	887 m	OWG + 2% $CaCl_2$

PLUGGING PROGRAM

Approval of the following program was obtained by (person) As per original suspension program (attached) from

(person) of the Canada Oil and Gas Lands Administration by means of

on 19

Type of Plug	Interval	Felt	Cement and Additives
Cement	2 149 - 2 118 m		Oilwell "G"
Cement	899.2 - 896.7 m	896.7 m	Oilwell "G" + 3% $CaCl_2$
Cement	896.7 - 854.7 m	854.7 m	Oilwell "G" + 3% $CaCl_2$
Cement	Surface		

Lost Circulation/Overpressure Zones --

Equipment left on Seafloor (Describe) --

Provision for Re-entry (Describe and attach sketch) --

Cores Type Intervals 721.8 - 729.4 m, 729.4 - 732.4 m
732.4 - 741.0 m, 794.0 - 802.8 m

Other Downhole Completion/Suspension Equipment --

CERTIFICATION

I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate

Signed: L. G. Cyca P Eng Title: District Superintendent

Name: L. G. Cyca Date: 85-07-16

Acknowledged by Engineering Branch

Date: 5 Aug 86

File: DA 521

Department of Energy, Mines and Resources / Ministère de l'Énergie, des Mines et des Ressources

Department of Indian Affairs and Northern Development / Ministère des Affaires indiennes et du Nord canadien

Canada

CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO.
FOR _____

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.

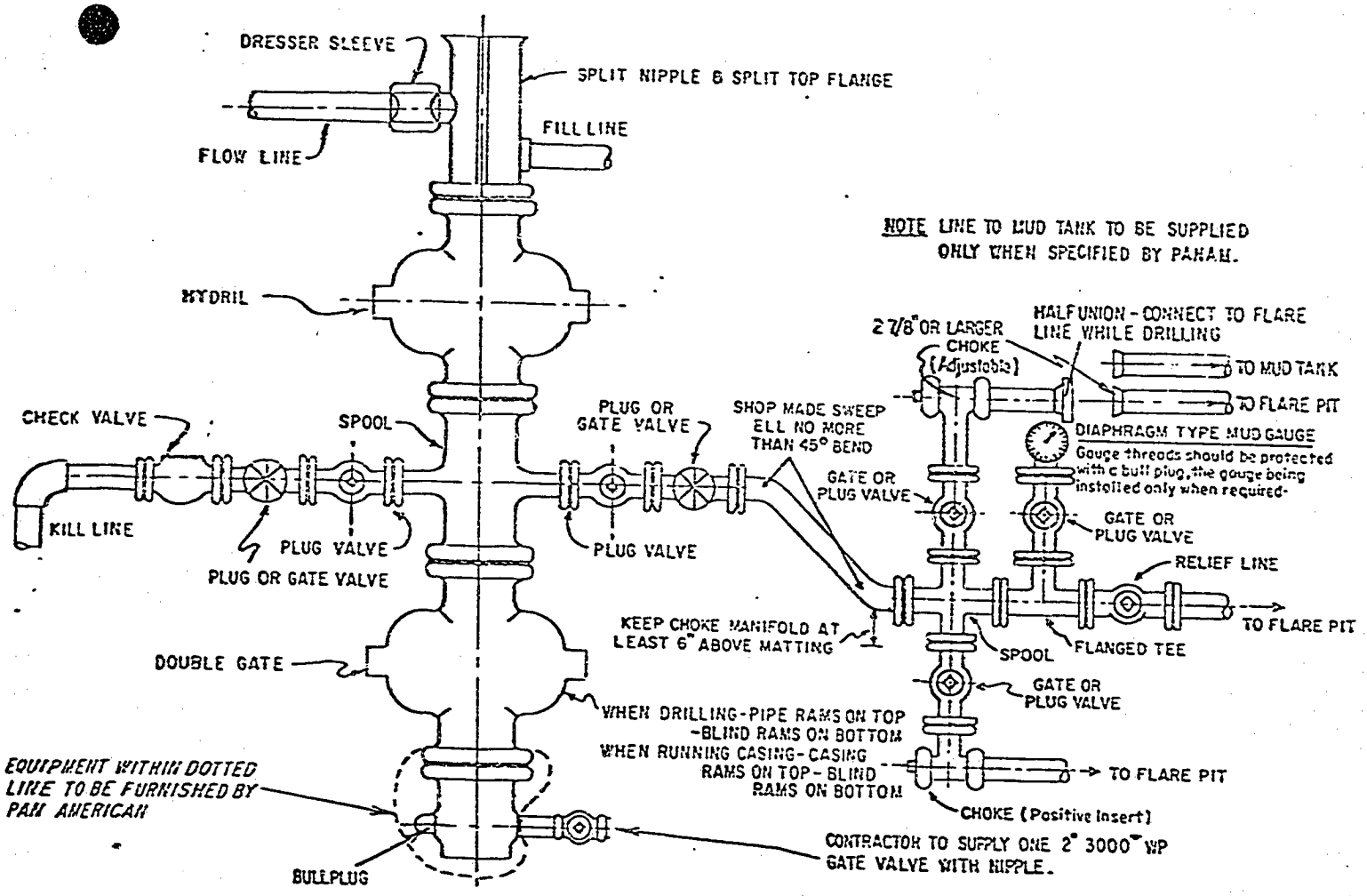
6. All shows (small or large) of oil and gas are to be reported immediately.

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

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

B-O-P- ARRANGEMENT "A"

REVISED SEPT 15th, 1964



1. Both preventors to be hydraulically operated from an accumulator which will open and close hydril at least twice without recharging.
2. Equipment through which bit must pass must have at least as large ID as casing being drilled through.
3. Kill line and choke connections must be 2" or larger nominal diameter and must be interchangeable with fill line so that kill line can be connected to the standpipe by breaking a union on the fill line and connecting it to an interchangeable union on kill line. Kill line NOT to be used as fill line.
4. A Kelly cock must be used on Kelly.
5. A drill pipe safety valve equivalent to Shaffer Model 55 must be available on the rig floor at all times with proper connections or subs.
6. All equipment mentioned above must be 3000# working pressure or stronger.
7. Two 2" diameter or larger and one 2-7/8" or larger bleed-off lines to be installed without additional fittings or angular bends from chokes to flare pit and shall be securely staked down. Line from adjustable choke to be supplied with half union so that it can be connected to line into mud tank or to flare pit. Floor manifold can be tied into flare line from adjustable choke for Drill Stem Tests if line is tested to 1000 psi.
8. Spool between preventors and spool on choke manifold should be rotated to make lines as straight as possible and allow good access to controls.
9. (a) No screwed, nor screwed and welded, connections will be used upstream from the chokes or relief line valve.
   (b) No screwed, nor screwed and welded, connections will be used on or upstream from the check valve on the kill line.

GEOLOCICAL PROGNISIS

AMOCO LL&E SHELL A-1 RED DOG

Depths	Formation
0 - 100'	Hume Fm.
100' - 1300'	Bear Rock Fm.
1300' - 2800'	Delorme Fm.
2800' - 5100'	Ronning Fm.
5100' -	Cambrian Fm.

N
Keele River

WELL HISTORY REPORT

AMOCO CANDEN SHELL A-1 RED DOG K-29

Unit K, Section 29, Grid 64°8'43"N, 125°3[illegible]

NORTHWEST TERRITORIES

WELL HISTORY REPORT

AMOCO CANDEX SHELL A-1 RED DOG K-29

Unit K, Section 29, Grid 64-10-125-30

NORTHWEST TERRITORIES

By:
L. A. Joevenazzo
Professional Assistant

Approved By:
A. F. Holan
Area Superintendent

Amoco Canada Petroleum Company Limited
444 - Seventh Avenue, S. W.
Calgary, Alberta
T8V 0T9

I N D E X

SECTION		PAGE
I	Summary of Well Data	1
II	Geological Summary	3
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V	Analysis	9
VI	Completion Summary	10

ATTACHMENTS

Core Analysis

Sample Descriptions

Core Descriptions

Logs

Water Analysis

WELL HISTORY REPORT

SECTION I - Summary of Well Data

a) Well Name and Number

Amoco Candex Shell A-1 Red Dog K-29

b) Permittee

Shell Canada Limited and Shell Explorer Limited

c) Name of Operator

Amoco Canada Petroleum Company Limited
444 - Seventh Avenue S. W., Calgary 2, Alberta

d) Location

Unit K, Section 29, Grid 64-10-125-30
Latitude 64°8'43"N, Longitude 125°34'55"W
Universal well location reference N 64.14258° and W 125.58194°
Unique well identifier - 300K296410125300

e) Co-ordinates

Nil

f) Permit No.

Permit No. 3424

g) Drilling Contractor

Name: Thomson Drilling Limited
Rig : No. 19
Type: Rotary Unit

h) Drilling Authority

No.: 361
Date Issued: December 1, 1971

i) Classification

Wildcat

j) Elevation

Ground: 1825'
K.B. : 1839'

k) Spudded

January 11, 1972

l) Completed Drilling

March 25, 1972

m) Depths

Total depth 7050' Driller; 7048' Logger

n) Well Status

Plugged and abandoned

o) Rig Released

March 28, 1972

p) Hole Size

12 1/4"	0 - 750'
7 7/8"	750 - 2929'
6 1/8"	2929 - 7050'

q) Casing

Casing size:	8 5/8"
Grade :	K-55
Weight :	24#
Amount :	18 jts.
Set at :	750' KB

Casing size:	7"
Grade :	K-55
Weight :	26#
Amount :	77 jts.
Set at :	2910' KB

SECTION II – Geological Summary

a) Formation Tops

Tops	Depths (E-Log)
Headless	336'
Laundry	519'
Arnica	722'
Bear Rock	840'
Fault	1850'
Camsell	2053'
Delorme	2243'
Fault to B.R.	2836'
Delorme	5380'
	7050 TD

b) Cored Intervals

Core #1 (2368' - 2393') 25' x 5 3/4 hrs.
Core #2 (2393' - 2403') 9' x 3 hrs.
Core #3 (2403' - 2431') 28' x 12 1/4 hrs.
Core #4 (2605' - 2634') 29' x 5 1/2 hrs.

c) Sample Descriptions

See attachments

d) Paleontological Determinations

None

SECTION III - Engineering Summary

a) Drill Stem Tests

Nil

b) Casing Record

Surface Casing

Hole size	:	12 1/4"
Casing size	:	8 5/8"
Weight	:	24#
Grade	:	K-55
Joints run	:	18
KB setting depth	:	750'
Cement & additives	:	(1) 546 sxs neat + 4% CaCl w/25#/100 sxs gelflake (2) Recement with 100 sxs neat + 4% CaCl & 25# gelflake & 25 sxs sawdust (3) Recement again with same as previous (2).
Date run	:	January 18, 1972
Date cemented	:	January 19, 1972

Intermediate Casing

Hole size	:	7 7/8"
Casing size	:	7"
Weight	:	26#
Grade	:	K-55
Joints run	:	77
KB setting depth	:	2910'
Cement & additives	:	235 sxs neat + 2% $CaCl_2$
Date run	:	March 1, 1972
Date cemented	:	March 1, 1972

c) Bit Record

Bit	Size	Type	Make	In	Out	Ft.	Hours
1A	12 1/4	OSC	Hughes	0	75	75	2 1/2
2A	12 1/4	OSC3	Hughes	75	155	80	5 3/4
2	7 7/8	XIG	Hughes	155	310	155	10 1/2
2ARR	12 1/4	OSC3	Hughes	155	428	273	6 3/4
3	7 7/8	XIG	Hughes	428	479	51	13
3RR	7 7/8	XIG	Hughes	479	740	261	36 1/4
2ARR	12 1/4	OSC3	Hughes	428	752	324	6 1/2
4	7 7/8	X3A	Hughes	752	1027	275	22
5	7 7/8	X3A	Hughes	1027	1245	218	25 1/2
6	7 7/8	X1G	Hughes	1245	1392	147	14 1/2
7	7 7/8	X1G	Hughes	1392	1406	14	13
7RR	7 7/8	X1G	Hughes	1406	1418	12	1 1/2
8	7 7/8	X1G	Hughes	1418	1506	88	12
9	7 7/8	X1G	Hughes	1506	1693	187	20
10	7 7/8	OWV	Hughes	1693	1765	72	13 1/4
11	7 7/8	OWV	Hughes	1765	1968	203	17 1/4

Continued Page 5...

Bit	Size	Type	Make	In	Out	Ft.	Hours
12	7 7/8	OWV	Hughes	1968	2036	68	11 3/4
13	7 7/8	ODV	Hughes	2036	2051	15	5 1/2
14	7 7/8	ODV	Hughes	2051	2213	162	18 1/4
15	7 7/8	ODV	Hughes	2213	2291	78	10 3/4
16	7 7/8	ODV	Hughes	2291	2368	77	11
17	6 1/8	DIA	Smith	2368	2393	25	5 3/4
6RR	7 7/8	X1G	Hughes	2368	2395	27	3
17RR	6 1/8	DIA	Smith	2394	2431	37	15 1/4
18	7 7/8	J44	Hughes	2395	2605	170	13 1/4
17RR	6 1/8	DIA	Smith	2605	2634	29	5 1/2
18RR	7 7/8	J44	Hughes	2634	2929	295	16 1/4
19	6 1/8	OSC1G	Hughes	2929	2932	3	3/4
20	6 1/8	S88	Sec.	2932	2973	41	1 3/4
21	6 1/8	S88	Sec.	2973	3747	774	48 1/4
22	6 1/8	S88	Sec.	3747	4530	783	50
23	6 1/8	S88	Sec.	4530	4972	442	47 3/4
24	6 1/8	M88	Sec.	4972	5047	75	10 1/4
25	6 1/8	W7R	Hughes	5047	5069	22	5 1/2
26	6 1/8	M88	Sec.	5069	5150	81	5 3/4
26RR	6 1/8	M88	Sec.	5069	5290	221	15 3/4
27	6 1/8	S88	Sec.	5290	5361	71	9 1/4
27RR	6 1/8	S88	Sec.	5290	5686	396	40 1/4
28	6 1/8	S88	Sec.	5686	5991	305	19 3/4
29	6 1/8	SS5	Smith	5991	6061	70	6 1/4
30	6 1/8	RG1J	Hughes	6061	6193	132	17 1/4
31	6 1/8	SS5	Smith	6193	6477	284	26 1/4
32	6 1/8	SS5	Smith	6477	6692	215	18 3/4
33	6 1/8	SS5	Smith	6692	6913	221	17 1/4
34	6 1/8	M88	Sec.	6913	7050	137	12 1/2

d) Mud Report

A gel base mud was used. The following is a list of components and additives consumed:

Hydrogel	1123 sxs	Benex	29 sxs	Soda Ash	13 sxs
Salt gel	24 sxs	Peltex	12 sxs	Drispac	40 sxs
Barite	168 sxs	$CaCl_2$	60 sxs		
Sawdust	2400 sxs	Caustic Soda	22 sxs		

e) Deviation Record

Depth	Deviation (Degrees)	Depth	Deviation (Degrees)
75'	0	570'	1 3/4
135	3/4	658	1 1/8
195	1/2	721	2
250	3/4	750	2
310	1/8	803	2 1/4
400	1 3/4	866	2 3/4
460	1 1/2	902	2 1/2
488	2 1/4	965	2 1/8
512	2	1027	2 7/8
540	1 7/8	1090	2 7/8

Depth	Deviation (Degrees)	Depth	Deviation (Degrees)
1158'	2 7/8	4560'	12
1221	3	4592	11 1/2
1254	3	4650	11
1260	3	4727	$10^{\circ}30'N32^{\circ}E$
1285	2 1/2	4810	11° $N27^{\circ}E$
1380	3	4900	$11\ 1/4^{\circ}N26^{\circ}E$
1406	3 1/4	5002	14
1470	3 1/8	5035	15
1500	3 1/4	5055	16
1530	2 3/4	5078	15 1/8
1591	3	5109	15
1656	4	5187	15 1/8
1750	4 1/2	5218	15
1780	4 1/4	5280	16
1874	4 1/4	5345	$18\ 1/4^{\circ}N28^{\circ}E$
1936	3 3/4	5375	$18\ 1/4^{\circ}$
1963	4 1/8	5437	17
1995	3 3/4	5530	15 3/4
2026	3 1/2	5592	14 1/4
2127	3 1/8	5655	13 5/8
2252	3	5690	13
2452	3	5722	12 1/2
2675	3	5846	11 3/8
2920	2 7/8	5940	10 7/8
3059	5	6002	11 1/8
3090	4 1/2	6096	10 1/8
3185	5	6221	8
3308	6 1/2	6311	8
3650	7 1/4	6407	8
3712	7 1/8	6475	8
3897	7 1/4	6690	9
4050	8 1/4	6870	10
4270	7 7/8	6900	10 1/2
4458	9 1/4	6996	10 1/8
4530	11 1/2	7050	10

f) Abandonment Plugs

Date	Interval	Remarks
March 27, 1972	7050' - 6950'	25 sxs neat (Not felt)
March 28, 1972	2950' - 2850'	35 sxs neat + 3% $CaCl_2$ (Felt at 2942')
March 28, 1972	2942' - 2850'	35 sxs neat + 3% $CaCl_2$ (Felt at 2804')
March 29, 1972	Below Casing Bowl	5 sxs neat

g) Lost Circulation Zones

Formation	Depth Interval	Material Lost	Corrective Measures
Headless	474'	250 bbls.	Lost circulation material.
Arnica & Bear Rock	810'-1065'	750 bbls.	Lost circulation material.
Arnica & Bear Rock	810'-1245'	900 bbls.	Lost circulation material.
Arnica & Bear Rock	810'-1272'	400 bbls.	1) Diesel gel plug - not effective 2) Cement plug #1 (1395'-700') 300 sxs neat + 3% $CaCl_2$ + 50# Gelflake (Felt at 1300')

Formation	Depth Interval	Material Lost	Corrective Measures
			3) Cement plug #2 (on top of plug #1) 80 sxs neat + 3% $CaCl_2$ (Felt at 1318').
			4) Since cement plugs would not hold drilling fluid was changed from mud to air.

h) Report of Blowouts

Nil

SECTION IV - Logs

Date	Type	Interval
Jan. 17, 1972	DIL	748' - 68'
Jan. 18, 1972	Gamma Ray Caliper	752' - 120'
Feb. 28, 1972	SNP	2923' - 754'
Feb. 28, 1972	BHC	2925' - 1368'
Feb. 28, 1972	DIL	2920' - 754'
Feb. 28, 1972	Comp. Form. Density	2923' - 754'
Feb. 28, 1972	Cont. Dipmeter	2918' - 760'
Mar. 12, 1972	Subsurface Survey	2910' - 4972'
Mar. 26, 1972	SNP	7047' - 2918'
Mar. 26, 1972	BHC	7046' - 2700'
Mar. 26, 1972	DIL	7044' - 2918'
Mar. 26, 1972	Comp. Form. Density	7047' - 2918'
Mar. 26, 1972	Cont. Dipmeter	7044' - 2918'

SECTION V - Analysis

a) Core Analysis

See Attachment

b) Water Analysis

See Attachment
#1 Fresh Water
#2 Fresh Water

c) Gas Analysis

Nil

d) Oil Analysis

Nil

SECTION VI - Completion Summary

a) Tubing Record

Nil

b) Perforation Record

Nil

c) Cementation Record

Date	Interval	Remarks
February/3/72	1395' - 700'	300 sxs neat + 3% $CaCl_2$ + 50# Gelflake (Felt at 1300')
February/4/72	On top of Previous Plug	80 sxs neat + 3% $CaCl_2$ (felt at 1318')
March/27/72	7050' - 6950'	25 sxs neat (No feel)
March/27/72	2950' - 2850'	35 sxs neat - 3% $CaCl_2$ (Felt at 2942')
March/27/72	2942' - 2850'	35 sxs neat + 3% $CaCl_2$ (Felt at 2804')
March/29/72	Below Casing Bowl	5 sxs neat

d) Acidization & Fracturing Record

Nil

e) Back Pressure & Production Tests

Nil

WELL HISTORY REPORT

AMOCO CANDEX SHELL A-1 RED DOG K-29

Unit K, Section 29, Grid 64°8'43"N, 125°34'55"W

NORTHWEST TERRITORIES

By:
L. A. Joevenazzo
Professional Assistant

Approved By:
A. F. Holan
Area Superintendent

Amoco Canada Petroleum Company Limited
444 - Seventh Avenue, S. W.
Calgary, Alberta
T8V 0T9

C.G.L.-54

CHEMICAL & GEOLOGICAL LABORATORIES LIMITED

CHEMICAL ANALYSIS

Field — Operator AMOCO CANADA PETROLEUM COMPANY LTD.
Location & Source Amoco et al A-1 Red Dog K-29
Sample Point River
Sampled (By; Date; Time)
Pertinent Data

Type of Sample Fresh Water — Lab. No. E72-7465-1

	Mg/l	Meq/l		Mg/l	Meq/l
Na & K	170	7.40	SO_4	843	17.53
			Cl	336	9.48
Ca	322	16.07	CO_3	Nil	---
Mg	84	6.90	HCO_3	205	3.36
Fe	Present				

Total Hardness: 1150 Mg/l. as $CaCO_3$

H_2S Nil

TOTAL SOLIDS IN mg/l

Evap. (105C)	2020	pH	7.8	at	73°	F.
Ign. (550C)	1452	Sp. Gr.:	1.002	at	60°	F.
Calculated	1960	Resist:	4.57	ohm-m.	68°	F.

Trace organic matter

Analytical Observations & Remarks:
Sample consisted of clear colorless water.

ABBREVIATIONS: Cations: H: Hydrogen; Al: Aluminum; Ba: Barium; Cr: Chromium; NH_4: Ammonium. Anions: OH: Hydroxide; Br: Bromide; F: Fluoride; I: Iodide; PO_4: Phosphate; S: Sulfide; So_3: Sulfite; HS: Hydrosulfide or Mercaptide; NO_3: Nitrate; NO_2: Nitrite; CrO_4: Chromate.
MISCELLANEOUS: SiO_2: Silica; CO_2: Carbon Dioxide; mg/l: Milligrams per liter (approximate parts per million); meq/l: Milliequivalents/liter (or Milligram equivalents per liter); Alk: Alkalinity; MF: Membrane Filter; Turb: Turbidity; Cond: Specific conductance in mircromho/cm. Org: Organic.

C.C.L.-34

CHEMICAL & GEOLOGICAL LABORATORIES LIMITED

CHEMICAL ANALYSIS

Field [illegible]
Operator AMOCO CANADA PETROLEUM COMPANY LTD.
Location & Source Amoco et al A-1 Red Dog G-29
Sample Point Spring
Sampled (By; Date; Time) .
Pertinent Data

Type of Sample Fresh Water
Lab. No. E72-7465-2

	Mg/l	Meq/l		Mg/l	Meq/l
Na & K	19	0.81	SO_4	843	17.53
			Cl	74	2.09
Ca	342	17.07	CO_3	Nil	---
Mg	91	7.48	HCO_3	350	5.74
Fe	Present				

Total Hardness: 1228 Mg/l. as $CaCO_3$

H_2S Nil

TOTAL SOLIDS IN mg/l

Evap. (105C)	1828	pH	8.1	at	73° F.
Ign. (550C)	1332	Sp. Gr.:	1.002	at	68° F.
Calculated	1719	Resist:	6.27	ohm-m.	68° F.

Organic matter present

Analytical Observations & Remarks:

Sample consisted of clear, colorless water.

ABBREVIATIONS: Cations: H: Hydrogen; Al: Aluminum; Ba: Barium; Cr: Chromium; NH_4: Ammonium. Anions: OH: Hydroxide; Br: Bromide; F: Fluoride; I: Iodide; PO_4: Phosphate; S: Sulfide; So_3: Sulfite; HS: Hydrosulfide or Mercaptide; NO_3: Nitrate; NO_2: Nitrite; CrO_4: Chromate.
MISCELLANEOUS: SiO_2: Silica; CO_2: Carbon Dioxide; mg/l: Milligrams per liter (approximate parts per million); meq/l: Milliequivalents/liter (or Milligram equivalents per liter); Alk: Alkalinity; MF: Membrane Filter; Turb: Turbidity; Cond: Specific conductance in mircromho/cm. Org: Organic.

CORE ANALYSIS REPORT

FOR

AMOCO CANADA PETROLEUM COMPANY LTD.

AMOCO CANDEX SHELL A-1 RED DOG E-29
WILDCAT
FT. NORMAN

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

CORE LABORATORIES — CANADA, LTD.
CALGARY, ALBERTA

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD. FORMATION
WELL AMOCO CANDEX SHELL A-1 RED DOG J-29 DRILLING FLUID WATER BASE MUD
FIELD WILDCAT, FT. NORMAN ELEVATION
LOCATION 64 08' 43.00 N. LAT. ANALYSIS FULL DIAMETER
125 34' 55.00 W. LONG. REMARKS ALL SAMPLES SANDBLASTED PRIOR TO KH ANALYSIS.

PAGE 1 OF 3
FILE 913-270
DATE REPORT FEB. 29/72
ANALYSTS MH, SP

AST - APPEARS SIMILAR TO
* - BROKEN CORE
(KSO - USED FOR SUMMARY PURPOSES)
** - PERMEABILITY > 20000 MD
FS - FINE SAND
MS - MEDIUM SAND
CS - COURSE SAND
CONG - CONGLOMERATE
DOL - DOLOMITE
SH - SHALE
LAM - LAMINATED
SHY - SHALY
BK - BREAK
PYR - PYRITUMEN
CARB - CARBONACEOUS
A - ANHYDRITE
FOSS - FOSSILIFEROUS
XLN - CRYSTALLINE
LAM - LAMINATIONS
V - VUGULAR
LV - LARGE VUGS
SV - SMALL VUGS
PPV - PIN POINT VUGS
I - INTERGRANULAR
STY - STYOLITIC
HF - HORIZONTAL FRACTURE
VF - VERTICAL FRACTURE
SS - SMALL SAMPLE
SL - SLIGHTLY
VI - VERY
W - WITH

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYS			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
	CORED INTERVAL 2368 - 2634										
	CORE NO. 1 2368 - 2403 REC. 35.0' 9 BOXES										
1	2368.0-69.0	1.0	.03	.03	-0.1	.03	5.6	5.60	2.70	2.86	I PPV A
2	2369.0-70.2	1.2	.14	.01	-0.1	.17	8.3	9.96	2.62	2.85	I PPV F
3	2370.2-71.3	1.1	.16	.01	-0.1	.18	9.0	9.90	2.60	2.86	I PPV F
4	2371.3-72.1	.8	.03	.03	-0.1	.02	8.4	6.72	2.61	2.85	I PPV
5	2372.1-73.3	1.2	.01	.01	-0.1	.01	8.9	10.68	2.61	2.86	I PPV
6	2373.3-74.5	1.2	.02	.02	-0.1	.02	9.1	10.92	2.59	2.85	I PPV
7	2374.5-75.6	1.1	.01	.01	-0.1	.01	6.2	6.82	2.69	2.87	I PPV
8	2375.6-77.2	1.6	.62	.10	.50	.99	5.8	9.28	2.70	2.86	I PPV F
9	2377.2-78.3	1.1	.22	.02	-0.1	.24	4.5	4.95	2.74	2.87	I FEW PPV STY F
10	2378.3-79.4	1.1	.02	.02	-0.1	.02	5.3	5.83	2.71	2.86	I FEW PPV STY
11	2379.4-80.6	1.2	.25	.15	-0.1	.30	4.8	5.76	2.73	2.86	I PPV STY
12	2380.6-81.6	1.0	4.31	-0.1	.11	4.31	8.1	8.10	2.62	2.85	I PPV F
13	2381.6-82.7	1.1	.08	.08	-0.1	.09	7.0	7.70	2.65	2.85	I PPV STY
14	2382.7-84.4	1.7	.77	.06	.10	1.31	7.2	12.24	2.64	2.85	I PPV F
15	2384.4-86.1	1.7	*	.01	*	.01	8.5	14.45	2.61	2.85	I FEW PPV F
16	2386.1-87.8	1.7	.54	.07	.27	.92	3.6	6.12	2.75	2.85	I FEW PPV F
	2387.8-88.6	.8	-	-	-	-	-	-	-	-	DENSE F
17	2388.6-89.5	.9	1.49	.65	.26	1.34	3.5	3.15	2.76	2.85	I FEW PPV F
	2389.5-97.2	7.7	-	-	-	-	-	-	-	-	DENSE F
	2397.2- 3.0	5.8	-	-	-	-	-	-	-	-	RUBBLE

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR-5 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

Form 51

CORE LABORATORIES – CANADA LTD.

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.
WELL AMOCO CANDEX SHELL A-1 RED DOG J-29

FILE 913-270

SAMPLE NUMBER	INTERVAL REPRESENTED, FEET		PERMEABILITY TO AIR, MILLIDARCYS			PERMEABILITY FEET	POROSITY PER CENT	POROSITY FEET	DENSITY, gm./cc		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
	CORE NO. 3 2403 - 2431 REC. 28.0' 7 BOXES										
	2403.0-11.9	8.9	-	-	-	-	-	-	-	-	DENSE
18	2411.9-13.0	1.1	.02	-0.1	-0.1	.02	1.1	1.21	2.80	2.83	FEW PPV
19	2413.0-14.3	1.3	.38	.03	-0.1	.49	1.6	2.08	2.80	2.84	I F
	2414.3-31.0	16.7	-	-	-	-	-	-	-	-	DENSE
	2431.0- 5.0	174.0	-	-	-	-	-	-	-	-	DRILLED
	CORE NO. 4 2605 - 2634 REC. 29.0' 7.BOXES										
	2605.0-12.3	7.3	-	-	-	-	-	-	-	-	DENSE
20	2612.3-13.5	1.2	.09	.07	-0.1	.11	.5	.60	2.81	2.85	SCATT PPV F
21	2613.5-14.9	1.4	.48	.06	-0.1	.67	1.4	1.96	2.79	2.83	I F
22	2614.9-16.7	1.8	14.40	.15	.86	25.92	3.5	6.30	2.74	2.84	I F
23	2616.7-17.9	1.2	*	.02	*	.02	1.1	1.32	2.80	2.83	I F
24	2617.9-19.5	1.6	.02	.02	-0.1	.03	.5	.80	2.80	2.82	SCATT PPV
25	2619.5-20.5	1.0	.79	.58	.15	.79	4.1	4.10	2.70	2.82	I F
26	2620.5-21.7	1.2	.78	.34	.23	.94	5.1	6.12	2.69	2.84	I FEW PPV F
	2621.7-23.4	1.7	-	-	-	-	-	-	-	-	DENSE
27	2623.4-24.8	1.4	.10	.08	-0.1	.14	2.4	3.36	2.77	2.84	I FEW PPV F
28	2624.8-25.9	1.1	1.39	.04	.50	1.53	2.2	2.42	2.78	2.84	I FEW PPV F
	2625.9-34.0	8.1	-	-	-	-	-	-	-	-	DENSE

CORE LABORATORIES – CANADA, LTD.

Petroleum Reservoir Engineering

WELL: AMOCO CANDEX SHELL A-1 RED DOG J-29

FILE: 913-270

FORMATION:

SUMMARY INTERVAL: 2368.0 - 2634.0

TOTAL FOOTAGE: 265.0

FOOTAGE ANALYZED 35.0

FOOTAGE NOT ANALYZED: TOTAL: 231.0 DENSE 51.2 LOST .0 DRILLED 174.0 *NABR .0 RUBBLE 5.8

SUMMARY OF ANALYZED CORE:

	FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS. %	POROSITY FEET	WEIGHTED AVERAGE PERM. MD.	PERM. FEET	WEIGHTED AVERAGE RESID. OIL %	WEIGHTED AVERAGE TOT. WATER %
TOTAL	35.0	100.00	4.81	168.45	1.16	40.65	.00	.00
BY PERM RANGES:								
LESS THAN 0.10 Md.	14.3	40.86	5.08	72.65	.03	.41	.00	.00
0.10 0.49 Md.	8.7	24.86	4.36	37.97	.25	2.19	.00	.00
0.50 0.99 Md.	7.2	20.57	5.26	37.86	.69	4.95	.00	.00
1.00 9.99 Md.	3.0	8.57	4.56	13.67	2.39	7.18	.00	.00
GREATER THAN 9.99 Md.	1.8	5.14	3.50	6.30	14.40	25.92	.00	.00

*NOT ANALYZED BY REQUEST

REPORT
and
PLAN
of
SUB-SURFACE
SURVEY

GRANDE PRAIRIE
MAR 29 1972

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR - 5 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT

AMOCO CANADA PETROLEUM COMPANY LIMITED

AMOCO LL&E SHELL A-1 RED DOG
68° 48' 43" N - 135° 94' 55" W

JOB NO. _____ DATE MARCH 12, 1972.

EASTMAN OIL WELL SURVEY COMPANY LTD.

CALGARY :: EDMONTON

RECORD OF SURVEY

AMOCO CANADA PETROLEUM COMPANY LIMITED
AMOCO LI&E SHELL A-1 RED DOG
68° 48' 43" N - 125° 94' 55" W

JOB NO. ..... DATE MARCH 12, 1972.

2M-10-65—A.W.

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST	REMARKS
1	2910 00	-	2910 00	-	INTERMEDIATE CASING	-			-	
2	2967 50	5° 30'	2967 24	5 51	N 87 W	29			5 50	
3	3061 00	5° 15'	3060 35	8 55	N 79 W	1 92			13 89	
4	3154 50	5° 30'	3153 34	8 96	N 42 W	8 58			19 89	
5	3248 00	6° 00'	3246 31	9 77	N 09 W	18 23			21 42	
6	3341 50	6° 45'	3339 16	10 09	N 01 W	29 22			21 61	
7	3435 00	6° 30'	3432 06	10 58	N 10 E	39 64			19 77	
8	3528 50	6° 45'	3524 91	10 99	N 21 E	49 90			15 83	
9	3622 00	7° 30'	3617 61	12 20	N 24 E	61 04			10 87	
10	3715 50	7° 15'	3710 36	11 80	N 28 E	71 46			5 33	
11	3809 00	7° 30'	3803 06	12 20	N 34 E	81 57		1 49		
12	3902 50	7° 15'	3895 81	11 80	N 34 E	91 35		8 09		
13	3996 00	7° 45'	3988 46	12 61	N 28 E	102 48		14 01		
14	4089 50	8° 30'	4080 93	13 32	N 27 E	114 79		20 28		
15	4183 00	7° 45'	4173 58	12 61	N 27 E	126 03		26 00		
16	4276 50	7° 45'	4266 23	12 61	N 26 E	137 36		31 53		
17	4370 00	8° 45'	4358 65	14 22	N 27 E	150 03		37 99		
18	4463 50	9° 30'	4450 87	15 43	N 32 E	163 11		46 17		
19	4557 00	10° 30'	4542 81	17 04	N 34 E	177 24		55 70		
20	4650 50	10° 30'	4634 75	17 04	N 29 E	192 14		63 96		

RECORD OF SURVEY

AMOCO CANADA PETROLEUM COMPANY LIMITED
AMOCO LI&E SHELL A-1 RED DOG
68° 48' 43" N - 125° 94' 55" W

2M-10-65—A.W.

JOB NO.....

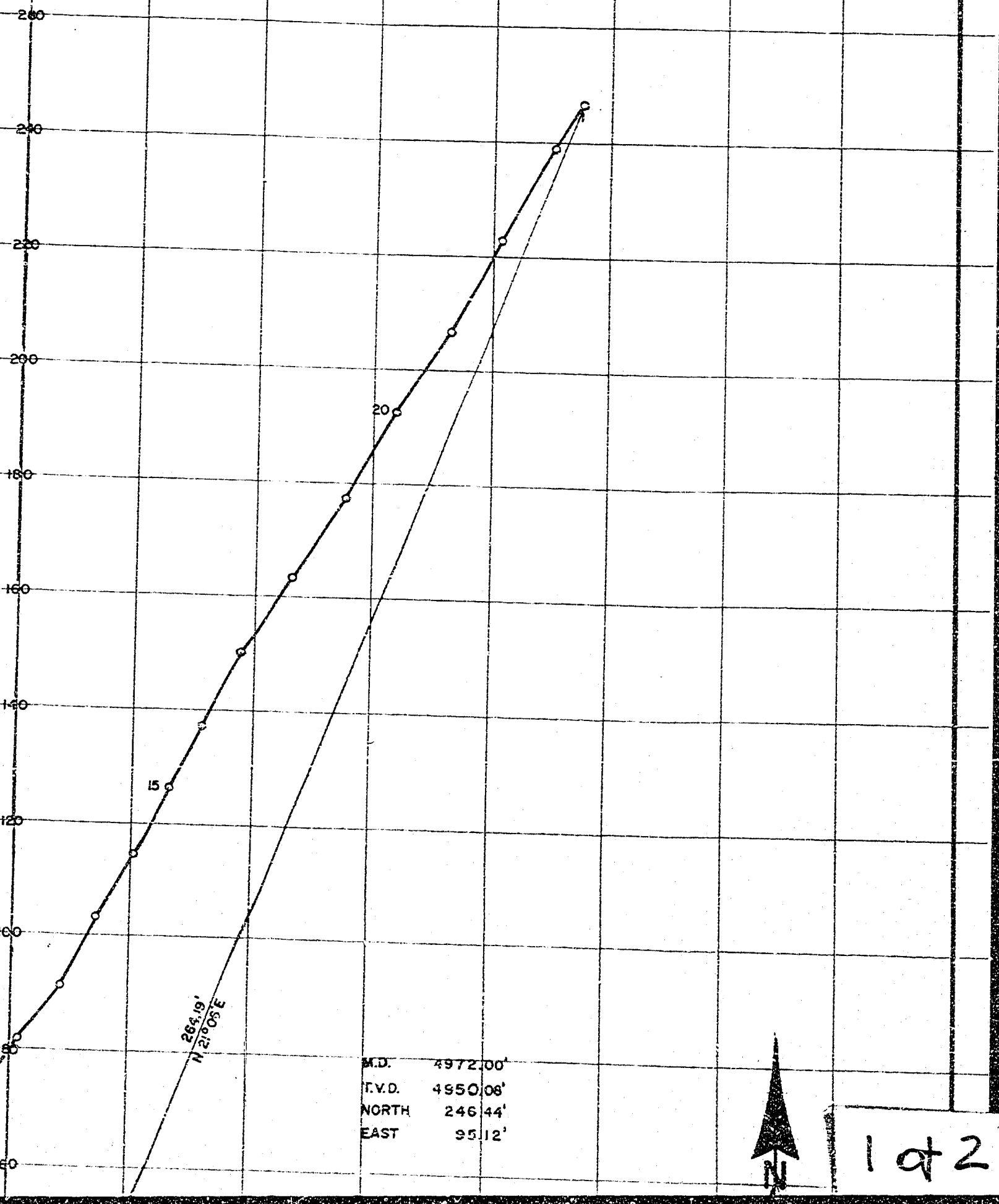
DATE MARCH 12, 1972.

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS
						NORTH	SOUTH	EAST	WEST	
21	4744 00	10° 45'	4726 61	17 44	N 31 E	207 09		72 94		
22	4837 50	11° 00'	4818 39	17 84	N 28 E	222 84		81 32		
23	4931 00	11° 30'	4910 01	18 64	N 30 E	238 98		90 64		
24	4972 00	12° 15'	4950 08	8 70	N 31 E	246 44		95 12		
					CLOSURE: 264.19' N 21° 06' E					

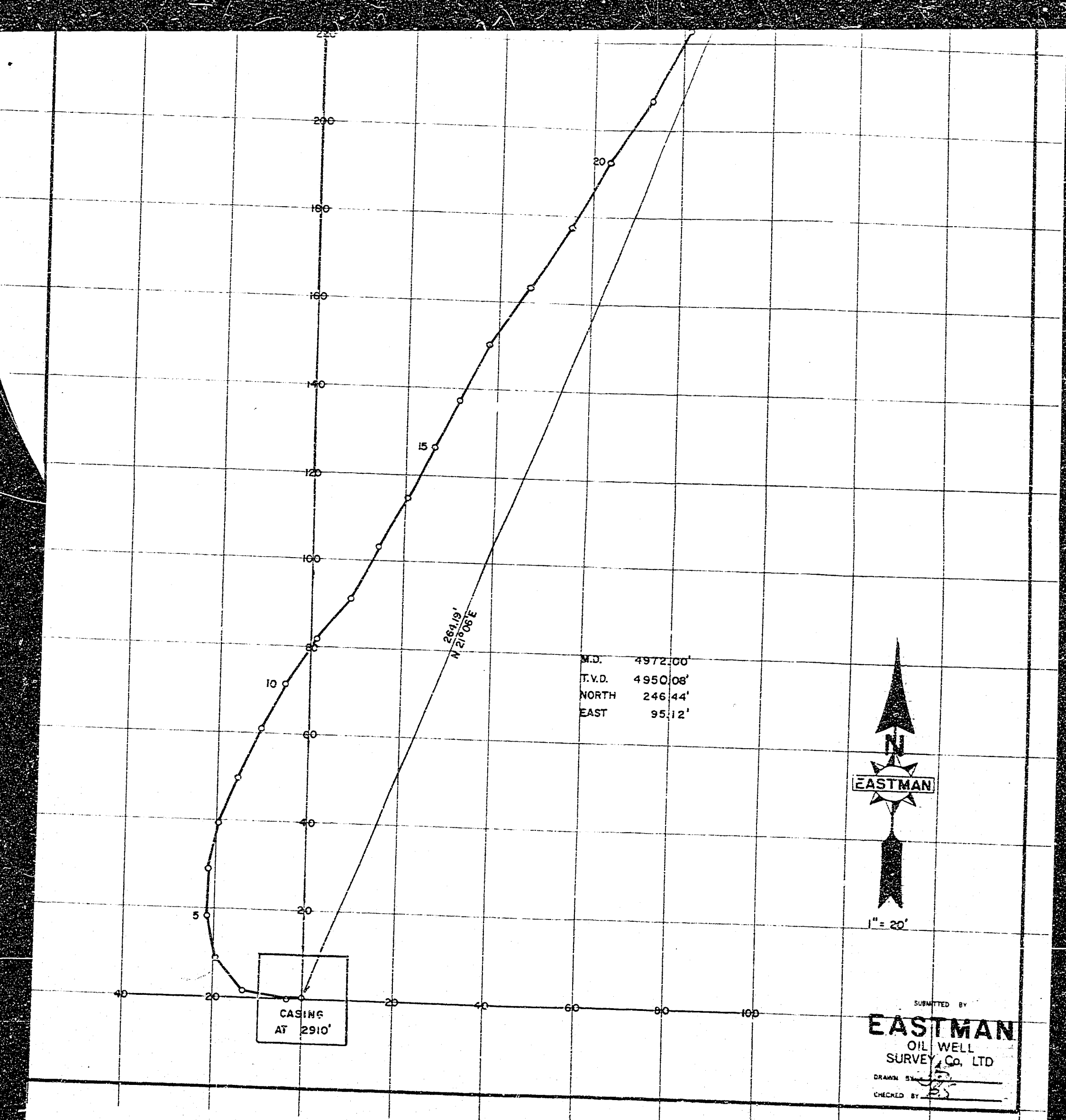
AMOCO CANADA PETROLEUM COMPANY LTD.

AMOCO LL&E SHELL A-I RED DOG

68° 48' 43" N - 125° 94' 55" W



1 of 2


220
200
180
160
140
120
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20
40
60
80
100
264.19'
N 21° 06' E
CASING
AT 2910'
M.D. 4972.00'
T.V.D. 4950.08'
NORTH 246.44'
EAST 95.12'
N
EASTMAN
1" = 20'
SUBMITTED BY
EASTMAN
OIL WELL
SURVEY Co. LTD
DRAWN BY
CHECKED BY

ATTACHMENTS

CORE ANALYSIS

CORE LABORATORIES – CANADA, LTD.

CALGARY, ALBERTA

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD. FORMATION
WELL AMOCO CANDEX SHELL A-1 RED DOG J-29 DRILLING FLUID WATER BASE MUD
FIELD WILDCAT, FT. NORMAN ELEVATION
LOCATION 64 08' 43.00 N. LAT. ANALYSIS FULL DIAMETER
125 34' 55.00 W. LONG. REMARKS ALL SAMPLES SANDBLASTED PRIOR TO KH ANALYSIS.

PAGE 1 OF 3
FILE 913-270
DATE REPORT FEB. 29/72
ANALYSTS MH, SP

AST = APPEARS SIMILAR TO; * = BROKEN CORE; (###) = USED FOR SUMMARY PURPOSES; ** = PERMEABILITY > 2000 MD; FS = FINE SAND; MS = MEDIUM SAND; CS = COARSE SAND; CONG = CONGLOMERATE; DOL = DOLOMITE; SH = SHALE; LMY = LIMY; SHY = SHALY; BR = BREAK; BIT = BITUMEN; CARB = CARBONACEOUS; A = ANHYDRITE; FOSS = FOSSILIFEROUS; XLN = CRYSTALLINE; LAM = LAMINATIONS; V = VUGULAR; LV = LARGE VUGS; SV = SMALL VUGS; PPV = PIN POINT VUGS; I = INTERGRANULAR; STY = STYLOLITIC; HF = HORIZONTAL FRACTURE; VF = VERTICAL FRACTURE; SS = SMALL SAMPLE; SL = SLIGHTLY; W/ = WITH

SAMPLE NUMBER	INTERVAL REPRESENTED FEET		PERMEABILITY TO AIR MILLIDARCYS			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
	CORED INTERVAL 2368 - 2634										
	CORE NO. 1 2368 - ~~2403~~ 2394 REC. 35.0' 9 BOXES										
1	2368.0-69.0	1.0	.03	.03	-0.1	.03	5.6	5.60	2.70	2.86	I PPV A
2	2369.0-70.2	1.2	.14	.01	-0.1	.17	8.3	9.96	2.62	2.86	I PPV F
3	2370.2-71.3	1.1	.16	.01	-0.1	.18	9.0	9.90	2.60	2.86	I PPV F
4	2371.3-72.1	.8	.03	.03	-0.1	.02	8.4	6.72	2.61	2.85	I PPV
5	2372.1-73.3	1.2	.01	.01	-0.1	.01	8.9	10.68	2.61	2.86	I PPV
6	2373.3-74.5	1.2	.02	.02	-0.1	.02	9.1	10.92	2.59	2.85	I PPV
7	2374.5-75.6	1.1	.01	.01	-0.1	.01	6.2	6.82	2.69	2.87	I PPV
8	2375.6-77.2	1.6	.52	.10	.50	.99	5.8	9.28	2.70	2.86	I PPV F
9	2377.2-78.3	1.1	.22	.02	-0.1	.24	4.5	4.95	2.74	2.87	I FEW PPV STY F
10	2378.3-79.4	1.1	.02	.02	-0.1	.02	5.3	5.83	2.71	2.86	I FEW PPV STY
11	2379.4-80.6	1.2	.25	.15	-0.1	.30	4.8	5.76	2.73	2.86	I PPV STY
12	2380.6-81.6	1.0	4.31	-0.1	.11	4.31	8.1	8.10	2.62	2.85	I PPV F
13	2381.6-82.7	1.1	.08	.08	-0.1	.09	7.0	7.70	2.65	2.85	I PPV STY
14	2382.7-84.4	1.7	.77	.06	.10	1.31	7.2	12.24	2.64	2.85	I PPV F
15	2384.4-86.1	1.7	*	.01	*	.01	8.5	14.45	2.61	2.85	I FEW PPV F
16	2386.1-87.8	1.7	.54	.07	.27	.92	3.6	6.12	2.75	2.85	I FEW PPV F
	2387.8-88.6	.8	-	-	-	-	-	-	-	-	DENSE F
17	2388.6-89.5	.9	1.49	.65	.26	1.34	3.5	3.15	2.76	2.85	I FEW PPV F
	2389.5-97.2	7.7	-	-	-	-	-	-	-	-	DENSE F
	2397.2- 3.0	5.8	-	-	-	-	-	-	-	-	RUBBLE

CORE # 2 2394 – 2403

MPANY AMOCO CANADA PETROLEUM COMPANY LTD.
LL AMOCO CANDEX SHELL A-1 RED DOG J-29

SAMPLE NUMBER	INTERVAL REPRESENTED, FEET		PERMEABILITY TO AIR, MILLIDARCYS			PERMEABILITY FEET	POROSITY, PERCENT	POROSITY FEET	DENSITY, gm./cc		VISUAL EXAMINATION
	DEPTH	THICK	KMAX	K90°	KV				BULK	GRAIN	
	CORE NO. 3 2403 - 2431 REC. 28.0' 7 BOXES										
	2403.0-11.9	8.9	-	-	-	-	-	-	-	-	DENSE
18	2411.9-13.0	1.1	.02	-0.1	-0.1	.02	1.1	1.21	2.80	2.83	FEW PPV
19	2413.0-14.3	1.3	.38	.03	-0.1	.49	1.6	2.08	2.80	2.84	I F
	2414.3-31.0	16.7	-	-	-	-	-	-	-	-	DENSE
	2431.0- 5.0	174.0	-	-	-	-	-	-	-	-	DRILLED
	CORE NO. 4 2605 - 2634 REC. 29.0' 7.BOXES										
	2605.0-12.3	7.3	-	-	-	-	-	-	-	-	DENSE
20	2612.3-13.5	1.2	.09	.07	-0.1	.11	.5	.60	2.81	2.83	SCATT PPV F
21	2613.5-14.9	1.4	.48	.06	-0.1	.67	1.4	1.96	2.79	2.83	I F
22	2614.9-16.7	1.8	14.40	.15	.86	25.92	3.5	6.30	2.74	2.84	I F
23	2616.7-17.9	1.2	*	.02	*	.02	1.1	1.32	2.80	2.83	I F
24	2617.9-19.5	1.6	.02	.02	-0.1	.03	.5	.80	2.80	2.82	SCATT PPV
25	2619.5-20.5	1.0	.79	.58	.15	.79	4.1	4.10	2.70	2.82	I F
26	2620.5-21.7	1.2	.78	.34	.23	.94	5.1	6.12	2.69	2.84	I FEW PPV F
	2621.7-23.4	1.7	-	-	-	-	-	-	-	-	DENSE
27	2623.4-24.8	1.4	.10	.08	-0.1	.14	2.4	3.36	2.77	2.84	I FEW PPV F
28	2624.8-25.9	1.1	1.39	.04	.50	1.53	2.2	2.42	2.78	2.84	I FEW PPV F
	2625.9-34.0	8.1	-	-	-	-	-	-	-	-	DENSE

Form 51A

CORE LABORATORIES – CANADA, LTD.

Petroleum Reservoir Engineering

WELL: AMOCO CANDEX SHELL A-1 RED DOG J-29

PAGE: 3 OF 3

FILE: 913-270

FORMATION:

SUMMARY INTERVAL: 2368.0 - 2634.0

TOTAL FOOTAGE: 266.0

FOOTAGE ANALYZED 35.0

FOOTAGE NOT ANALYZED: TOTAL: 231.0 DENSE 51.2 LOST .0 DRILLED 174.0 *NABR .0 RUBBLE [redacted]

SUMMARY OF ANALYZED CORE:	FOOTAGE	% OF ANALYZED CORE	WEIGHTED AVERAGE POROS. %	POROSITY FEET	WEIGHTED AVERAGE PERM. MD	PERM. FEET	WEIGHTED AVERAGE RESID OIL %	WEIGHTED AVERAGE TOT. WATER %
TOTAL	35.0	100.00	4.81	168.45	1.16	40.65	.00	.00
BY PERM RANGES:								
LESS THAN 0.10 Md.	14.3	40.86	5.08	72.65	.03	.41	.00	[redacted]
0.10 0.49 Md.	8.7	24.86	4.36	37.97	.25	2.19	.00	.00
0.50 0.99 Md.	7.2	20.57	5.26	37.86	.69	4.95	.00	.00
1.00 9.99 Md.	3.0	8.57	4.56	13.67	2.39	7.18	.00	.00
GREATER THAN 9.99 Md.	1.8	5.14	3.50	6.30	14.40	25.92	.00	.00

*NOT ANALYZED BY REQUEST

SAMPLE DESCRIPTIONS

Sample Description

Amoco-Candex-Shell A-1 Red Dog J-29

Kume Fm.

0-50	? Rat hole and no samples.
50-60'	Brown and grey microcrystalline limestone with coarse grained quartz fragments with a siliceous cement comprising 5% of samples. White secondary calcite is present in fractures.
60-70'	As above with a trace; i.e., less than 1% unidentifiable fossils. Quartz crystals appear to be in fractures.
70-80'	As above.
80-90'	As above - trace brachiopods, and other fossils and pellets.
90-100'	As above - trace crinoid fragments.
100-110'	As above - trace glauconite.
110-120'	Medium grey micro to very fine crystalline limestone with trace pellets and bioclastic debris. 5% intracrystalline porosity was noted.
120-130'	Medium grey microcrystalline limestone with scattered skeletals. Minor shale fragments comprising about 5% of the samples were observed. Minor secondary calcite exists in pools.
130-140'	Medium grey micritic limestone with minor skeletals minor secondary calcite in fractures and 5% very fine calcareous sandstone with a calcareous fraction of 25%.
140-150'	As above - but only 1% calcareous sand.
150-160'	As above - with minor brown microcrystalline limestone with no calcareous sand.
160-170'	Medium grey crypto crystalline limestone with trace skeletals and 5% silt to very fine grained calcareous sand with a 30% calcareous fraction. Dead oil staining is present in the secondary white calcite fragments.
170-180'	As above - but microcrystalline and with no sandstone and trace pellets and bioclastic debris.

180-190' As above - with isolated coarse frosted gtz. grains.

190-200' Medium grey micritic to microcrystalline limestone with secondary calcite in vugs comprising 2% of sample. A trace occurrence of brachiopods.

200-210' As above - with a trace of pellets and ostracods.

210-220' As above - with a trace of black round detrital fragments, chert of pellets. 1% coarse siliceous cemented quartz grains.

220-230' Medium grey micritic to microcrystalline limestone with 2% secondary calcite in fractures and vugs. Trace skeletals was noted.

230-240' Medium grey microcrystalline limestone with 5% secondary calcite in vugs and fractures with a dead oil stain. Trace skeletals.

240-250' As above - but dead oil staining in matrix rock not only in secondary calcite.

250-260' Dark brown and brown limestone with dark grey argillaceous limestone, microcrystalline with a trace of secondary calcite.

260-270' 15-20% dark grey argillaceous limestone and brown limestone microcrystalline with a slight trace of white secondary calcite.

270-280' As above - with 20% argillaceous limestone.

280-290' Light brown to dark brown slightly argillaceous microcrystalline limestone with trace brachiopods.

290-300' As above - with no fossil traces.

300-310' Light brown to dark brown and grey argillaceous microcrystalline limestone with a trace of crinoids.

310-320' As above.

320-330' As above - with 3% small brachs, minor quartz crystals in vugs and a live oil stain.

330-340' Medium grey microcrystalline limestone with minor detrital black fragments, trace siderite flecks. 3% disseminated pyrite cubes, and minor brachiopods and crinoids.

340-350' Light brown to medium brown micritic limestone with trace pellets and brachiopod fragments.

350-360' Medium grey micritic limestone with minor secondary white calcite with a trace of pellets.

360-370' As above.

370-380' Medium grey microcrystalline limestone with a trace secondary white calcite, and quartz crystals in vugs and traces of brachiopod shells.

380-390' As above - with minor pyrite and a trace of crinoids and pellets.

390-400' As above - with trace gastropod trace pellets and minor quartz crystals.

400-410' As above - but no quartz crystals and minor medium brown limestone with less secondary white calcite.

410-420' As above - with 5+% creamy very fine grained calcareous (-30%) sandstone.

420-430' As above - with no sandstone and a minor fossil assemblage consisting of brachiopods, gastropods and ostracods. Trace of pellets was noted.

430-440' Light brown grey cryptocrystalline limestone with less than 1% disseminated pyrite and trace brachiopod fragments.

440-450' Medium grey microcrystalline limestone with minor white secondary calcite and a trace of disseminated pyrite cubes.

450-460' As above - with no pyrite and minor quartz crystals in vugs and minor silicified fossil remains.

460-470' Brown medium grey microcrystalline limestone with minor secondary white calcite and a trace of pellets and skeletals.

470-480' Brown and medium grey microcrystalline slightly argillaceous limestone with minor secondary calcite. A minor zone of buff medium grey corase quartz ~~sand~~ is present which gave rise t a lost circulation problem, is present in voids ie faultz and vugs.

480-490' Brown and medium grey microcrystalline slightly argillaceous limestone. Two chips of anhydrite and a trace of pyrite were noted.

490-500' Light brown and grey slightly argillaceous limestone with minor secondary calcite and a trace of pyrite.

500-510' Medium grey argillaceous limestone and brown microcrystalline limestone with a trace of pyrite and a slight trace of anhydrite.

510-520' Medium grey argillaceous pyrite limestone and brown microcrystalline limestone with minor secondary calcite.

Landry Fm. (From DILL top is 525'?)

520-530' Medium grey argillaceous limestone with some brown limestone and minor secondary calcite. Dead oil staining was noted.

530-540' Grey argillaceous and brown microcrystalline limestone with minor secondary calcite and trace of pyrite.

540-550' Grey argillaceous limestone and light brown microcrystalline limestone with minor pyrite and secondary white calcite.

550-560' Grey argillaceous limestone as above and a brown microcrystalline limestone with minor disseminated pyrite cubes.

560-570' Grey brown argillaceous limestone, microcrystalline with minor fossil fragments

570-580' Brown microcrystalline limestone with grey slightly argillaceous limestone and a trace of quartz crystals and pyrite cubes.

580-590' Grey argillaceous limestone and brown microcrystalline limestone containing minor disseminated pyrite and a trace of brachiopods.

590-600' Brown microcrystalline very slightly dolomitic limestone with minor brachiopod casts and minor pyrite cubes.

600-610' Brown microcrystalline slightly dolomitic limestone with a trace of quartz crystals.

610-620' Buff and brown microcrystalline slightly dolomitic limestone.

620-630' Brown and buff microcrystalline limestone slightly dolomitic, with about 15% of sample being a very fine crystalline calcareous dolomite. Minor corase quartz crystals cemented with silica probably existing in voids was noted along with a trace of pyrite cubes, and also a trace of dead oil staining was noted. Some white chert was noted.

630-640' As above - with unidentifiable organisms in the limestone.

640-650' As above - with 3% intracrystalline porosity present in the dolomite.

650-660' As above - but dolomite now microcrystalline and having only a 2% intercrystalline porosity value.

660-670' As above - with at least 25% dolomite in sample and a trace of pellets in the limestone.

670-680' As above - with trace of dead oil stain associated with secondary quartz crystals.

680'690' As above - with micritic limestone with skeletals and no oil stain.

690-700' As above - with minor dead oil staining in dolomite matrix.

700-710' As above.

710-720' Grey brown microcrystalline calcareous dolomite with 20% of the sample being a dolomitic microcrystalline limestone. Minor white corase quartz crystals with silica cement were noted along with a trace of white chert.

Arnica (Top from Gramma log being at 718)

720-730' Grey brown very fine crystalline calcareous dolomite with minor laminations and possessing 6% vuggy and intracrystalline porosity and a trace of dead oil staining. About 5% of the sample was microcrystalline slightly dolomitic limestone.

730-740' Sucrosic dolomite as above with minor (5%) calcareous dolomitic sparite and a trace of a silty sand with dolomitic cement. A trace of dead oil staining and white chert was also present 5% intracrystalline porosity was noted.

740-750' No. sample.

750' Base of surface casing.

750-790' No sample due to technical problems.

790-800' Brown and grey fine crystalline slightly calcareous sucrosic dolomite with a trace of fossils possibly ostracod.

800-810' As above with minor very fine crystalline dolomite with a trace of white chert. One bracheopod coat was observed.

810-820' As above with isolated quartz crystals and silica cemented crystals in vords and fractures.

820-830' Brown fine crystalline slightly calcareous sucrosic dolomite with 6% vuggy and intracrystalline porosity. 5% of the sample is a dark grey slightly dolomitic micritic limestone with a trace of skeletals and pellets. A trace of quartz crystals.

830'840' Brown fine crystalline slightly calcareous dolomite with minor vuggs and quartz crystals in the matrix. Minor (5%) dark grey calcareous dolomite, very fine to micro crystalline.

840-850' Brown fine crystalline dolomite slightly calcareous and sucrosic with a trace of dolomitic lime slightly argillaceous. One chip of white chert and a slight trace of quartz crystals.

850-860' brown fine crystalline dolomite with a sucrosic texture, trace quartz crystals. Dark brown dolomitic limestone and dark brown limestone comprise 15±% of sample. A trace of anhydrite was noted. Lost circulation zone at approximately 853 feet.

860-870' Dark grey micro crystalline dolomitic limestone with trace quartz crystals and secondary calcite. 15% of sample is fine crystalline sucrosic calcareous dolomite with a trace of anhydrite and dead oil staining.

870-880'	Dark grey brown micro crystalline slightly dolomitic limestone with trace quartz crystals in voids and a trace of dolomite rhombs in matrix. 5% of sample is Fine sucrosic dolomite. A trouce of chert was noted.
880-890'	Dark grey and brown micro crystalline dolomitic limestone with minor (5%) fine crystalline calcareous dolomite. Trace secondary quartz crystals cemented with silica in vugs and fractures. A trace of white chert was also present.
890-900'	As above with 15% fine crystalline calcareous dolomite with a trace of anhydrite.
900-910'	As above with minor (less than 5%) F crystalline calcareous dolomite. A trace of dead oil staining was noted.
910-920'	Very poor sample - too much lost circulation material - only very few chips recovered - 5 were anhydrite, one was dolomitic limestone.
920-930'	Lt. brn. to buff anhydrite 50% w/brn. dolomitic lime. 40% & 10% sucrosic dol. AA. (Sample quality poor - lost circ. material)
930-940'	Dolomite 50%, 20% anhydrite, 30% limestone.
940-950'	Dolomite with 15% anhydrite, poor vuggy and intercrystalline porosity.
950-960'	Limestone 50%, dolomite 40%, anhydrite 10%.
960-970'	Dolomite 70%, limestone 20%, anhydrite 10%. Poor vuggy and intercrystalline porosity.
970-980'	Dolomite 60%, limestone 40%, anhydrite 10%.
980-990'	Dolomite 80%, limestone 20%, trace anhydrite.
990-1000'	Limestone.
1000-1010'	Limestone with trace dolomite.
1010-1020'	Limestone.
1020-1030'	Limestone with trace anhydrite.
1030-1040'	Limestone 80%, dolomite 20%.

1040-1060'	50% dolomite, 50% limestone. Fair intercrystalline and vuggy porosity.
1060-1130'	75% limestone, light brown, micro to very fine crystalline porosity up to 6%. 25% dolomite, tight.
1130-1210	Limestone, slightly dolomitic, microcrystalline, slightly argillaceous. Fair to good vuggy and intercrystalline porosity.
1220-1230	90% anhydrite, 10% limestone.
1230-1240	60% limestone, 40% anhydrite, trace dolomite. Dead oil stain in anhydrite
1240-1250	Dolomite with trace anhydrite; dead oil stain
1250-1260	Limestone with trace dolomite and anhydrite. Dead oil stain. Poor vuggy and intercrystalline porosity.
1260-1540	No samples. Lost circulation at 1269. Commenced drilling with foam at 1506. No returns 1506-1540.
1540-1550	Dolomite, (40%), anhydrite 40%. Gypsum in fractures.
1550-1560	Dolomite, white, sucrosic, dense; light to dark grey, dense, microcrystalline limestone
1560-1570	Dolomite as above; limestone, light brown, slightly dolomitic. Pin-point porosity, fractures. Trace gypsum.
1570-1580	No sample.
1580-1590	Dolomite and limestone, as above.
1590-1600	Dolomite and limestone, as above, trace anhydrite.
1600-1610	As above
1610-1620	No sample
1620-1630	As above; trace siltstone, red, calcite
1630-1640	As above, with trace sandstone, red, very fine grained, ferruginous in part, slightly calcareous
1640-1650	No sample
1650-1660	Dolomite, calcareous, light grey to dark grey, micro to very fine crystalline. Some sandstone, as above (30%), grey chert (10%).

1660-1750	No samples. 1693-1765 drilled at 10 min/ft; hard resistant formation (?).
1750-1760	Dolomite 80%; fine granular, crystalline in part, slightly calcareous. Grades to red-brown ferruginous dolomite. Limestone 15%, buff to brown - black, dolomitic, fine crystalline. Intercrystalline and pinpoint vuggy porosity. Trace dolomite, light brown, sucrosic, with gypsum after anhydrite. Trace chert. Trace siltstone, red, calcareous. Trace dolomite, clear, clean, arenaceous, calcareous. Trace white gypsum.
1760-1850	No samples
1850-1860	Very very poor sample. Dolomite and limestone. Probably not bottom sample.
1860-1930	No samples
1930-1950	Questionable returns - probably not frmo bottom.
1950-2010	No samples
2010-2020	Sample returns commenced at approximately 2005 ft. Dolomite, grey, fine crystalline, calcareous. Limestone, buff-grey, very fine crystalline; trace quartz, trace calcite; trace ss, quartzose, very fine grained, ferruginous, slightly calcareous. Trace dolomite, trace gypsum.
2020-2030	As above
	Stuck in hole @ 2036 February 13, 1972.

Resumed drilling with air and foam

2030-2150	No returns
2150-2160	Limestone, grey, very fine crystalline, dense; some buff limestone leached
2160-2170	As above, with chert, white
2170-2200	No returns
2200-2210	Limestone, grey, very fine crystalline. Trace dead oil. Limestone, light brown, very fine crystalline. Trace chert, white. Trace dolomite, black very fine crystalline
2210-2250	No returns
2250-2260	Very poor returns. Some very fine crsytalline between stained dolomite.
2260-2270	Poor returns. Some dark grey aphanitic dolomite with 10% white chert fragments and clear quartz crystallines; trace brown very fine crystalline dolomite.
2270-2310	No returns
2310-2360	Poor returns. Some limestone, dark grey and cream aphanitic slightly dolomitic, bitumen stained; minor section calcite, trace white chert
2360-2368	No returns and clearn quartz crystallines.
Core No. 1	2368-2393 - recovered 25 feet
2394-2403	Dolomite, dark grey, massive bedded, very fine sucrosic. Extensive fracturing perpendicular to bedding. Bitumen along fractures and stylolitic surfaces.

Further description of Core Nos. 1, 2, and 3 - herewith enclosed.

Amoco-Candex-Shell A-1 Red Dog J-29

SAMPLE DESCRIPTION

2431-2605 No samples

2605-2634 CORE #4

Dolomite, dark grey, very fine sucrosic, with zones of brecciation, dead oil staining on stylolitic surfaces. Minor laminated zones with anhydrite in blebs and fractures. No porosity. Minor brachiopod, crinoid and algae concentrations and some amphipora.

2634-2790 Dolomite, dark to light grey or creamy white, very fine crystalline. Minor white anhydrite, and clean crystals of gypsum. Trace white chert, quartz grains. Trace dead oil.

2790-2920 Dolomite, dark to light grey, microcrystalline, to very fine crystalline, slightly argillaceous, partly brecciated. Minor clear gypsum, anhydrite, white, sucrosic. Trace dead oil.

Drilled with foam to 2929. Samples poor. Set 7" casing at 2908 and cemented with 235 sacks.

2920-2929 No sample

2929-2971 Drilled with air. Samples very poor.
Dolomite, dark grey, argillaceous, hard, tight, minor calcite fracture fillings, gypsum crystals.

2971-2973 No returns. Air drilling slowed. Pulled pipe. Found 810 feet water in hole, indicating some porosity.
Water, black, sulphurous, fetid.

2973-3440 Dolomite and anhydrite. Dolomite, grey to dark grey, argillaceous in dark grey beds, hard, brittle, dense, with minor clear gypsum crystals. Anhydrite, grey to white, soft, mottled with dolomite streaks. Some beds from 8 to 10 feet thick. One bed 3250 to 3305 - 55 feet thick. Some anhydrite sucrosic with rounded grains of gypsum (Gypsum "sand" ?).

3440-4120 Dolomite and anhydrite, as above, but with occasional thin beds (1 to 3 ft) of limestone, dark grey, argillaceous, hard, dense.

4120-4220	Limestone with anhydrite and dolomite. Limestone, dark to light grey, hard, dense, fine crystalline. Anhydrite and dolomite, as above. Minor amount of crystallized sulphur.
4220-4400	Dolomite and anhydrite. Dolomite, argillaceous, dark grey, hard, dense, fine crystalline. Anhydrite, light grey to white, soft, mottled, partly granular. Occasional very fine quartz grain.
4400-4490	Dolomite and anhydrite as above, with occasional stringer of white siltstone.
4490-4510	Anhydrite, white to gray, banded, mottled.
4510-4520	Anhydrite a. a. with minor dense dolomite.
4520-4550	Anhydrite as above.
4550-4560	Anhydrite, white to gray, with dolomite, N. fine crystalline.
4560-4570	Dolomite a. a. with fine grained dense limestone.
4570-4580	Anhydrite with limestone, dark gray, hard, argillaceous, N. fine gr.
4580-4590	Anhydrite, white, soft, with minor gray and mottled beds; interbeds dense gray dolomite.
4590-4600	Anhydrite and dolomite as above; same fragments with slickensiding.
4600-4610	Anhydrite, white, soft, sucrosic, w/minor gray and mottled beds; + dense gray dolomite interbeds
4610-4620	As above.
4620-4630	As above.
4630-4640	Dolomite, grey, mic., calc.; w/white sucrosic anhydrite interbeds + 2nd dolomite in frac.
4640-4650	As above but gray to black color.
4650-4660	As above but w/2nd calc. in frac.
4660-4670	Dolomite, as above; w/trace white sucrosic anhydrite interbed.
4670-4680	As above but w/trace native sulphur.
4680-4690	Dolomite; dark gray, mic., calc.; w/minor white sucrosic anhydrite + 2nd dolomite in frac.
4690-4700	As above.

4700-4710	Dolomite, gray + dark gray, mic., cal.; w/minor white sucrosic anhydrite.
4710-4720	Dolomite, dark gray-black, mic., calc.; w/minor white white sucrosic anhydrite.
4720-4730	As above.
4730-4740	Dolomite, gray + dark gray-black, mic., calc.; w/40-60% white sucrosic anhydrite.
4740-4750	Anhydrite, white, soft, sucrosic; w/minor mottled gray anhydrite + dense gray dolomite interbed.
4750-4760	Interbeds of dolomite + anhydrite, a.a. (50-50).
4760-4770	Dolomite, gray, mic., calc.; w/minor white sucrosic anhydrite stringers.
4770-4780	Dolomite, a.a.; w/minor white sucrosic anhydrite interbeds + mottled w/dolomite.
4780-4790	As above.
4790-4800	Dolomite, gray + tan, mic.; w/minor sucrosic anhydrite interbed.
4800-4810	As above.
4810-4820	Dolomite, a.a.; but w/qtz. grains + glauconite in dolomite matrix.
4820-4830	Dolomite, a.a.; w/white + tan sucrosic anhydrite interbed; trace qtz. grains.
4830-4840	Dolomite + Anhydrite, a.a.; but no qtz. grains.
4840-4850	Dolomite a.a.; w/50% soft white sucrosic anhydrite + hard tan mic. anhydrite.
4850-4860	As above but less tan anhydrite.
4860-4870	Dolomite, dark gray, mic., calc.; w/minor white sucrosic anhydrite interbed.
4870-4880	Dolomite, a.a. w/minor soft white anhydrite in frac. + trace gray brown shale.
4880-4890	Dolomite, a.a. w/soft white sucrosic anhydrite interbeds + v minor brown anhydrite.

4890-4900	Dolomite, dark gray, mic., dense; w/2nd white dolomite in frac.
4900-4910	Dolomite, dark gray-brown, mic., dense; w/2nd white dolomite in frac. + trace anhydrite.
4910-4920	Dolomite, gray, mic.-v-f-xtal, calc., tight; w/v. minor white + tan anhydrite.
4920-4930	Dolomite, a.a.; w/2nd dolomite infill in frac.
4930-4940	Dolomite, light brown-gray, mic.-v-f-xtal, tight; w/2nd white dolomite infill in frac.
4940-4950	Dolomite, a.a.; w/some stylolites.
4950-4960	Dolomite, a.a.;
4960-4970	Dolomite, gray, a.a.; w/trace vugs.
4970-4980	Dolomite, gray-dark gray, mic.-v-f-xtal, tight; 2nd white dolomite in frac.; trace qtz. grains
4980-4990	As above.
4990-5000	As above but w/trace anhydrite in frac.
5000-5010	Dolomite, a.a.; w/minor white + clear sucrosic anhydrite stringers.
5010-5020	Dolomite, dark gray, mic.-v-f-xtal, tight, 2nd dolomite in frac.
5020-5030	Dolomite, a.a.; w/anhydrite, 2nd dolomite in frac. + silt-sized qtz. grains.
5030-5040	Dolomite, a.a.; w/stringers of brown anhydrite + dolomite silt-sized qtz. grains.
5040-5050	Dolomite, a.a.; w/silt-sized qtz. grains in dolomite matrix; + glauconite.
5050-5060	Fault? suggested by deviation problems.
5060-5100	No returns.
5100-5110	Anhydrite, white + brown, sucrosic, soft; w/interbed, gray, mic.-v-fxtal dolomite.
5110-5120	Anhydrite + Dolomite, a.a.
5120-5130	Anhydrite + Dolomite, a.a.; w/gray anhydrite + minor silt-sized qtz. grains.

5130-5140	Anhydrite + Dolomite, a.a.
5140-5150	No Sample.
5150-5160	Dolomite, brown-gray, mic.-v-f-xtal, w/brown sucrosic anhydrite.
5160-5170	Dolomite, a.a.; w/minor anhydrite, a.a.
5170-5180	Dolomite, brown-gray, mic.-v-f-xtal, w/brown + white sucrosic anhydrite.
5180-5190	As above.
5190-5200	As above.
5200-5210	As above.
5210-5220	Dolomite, a.a.; w/minor anhydrite,a.a.
5220-5230	As above.
5230-5240	Anhydrite, brown + white, soft, sucrosic; w/minor gray-brown dolomite.
5240-5250	Dolomite, a.a.; w/minor brown + white sucrosic anhydrite.
5250-5260	Dolomite, a.a.; w/more brown + white sucrosic anhydrite.
5260-5270	As above.
5270-5280	As above.
5280-5290	As above w/stylolites.
5290-5300	Dolomite, gray-brown, v-f-xtal; w/anhydrite, a.a.
5300-5310	Partial Returns - Dolomite, gray-brown, mic.-v-f-xtal; w/white + brown sucrosic anhydrite interbeds.
5310-5320	As above.
5320-5340	No returns.
5340-5350	Dolomite, gray-brown, v-f-xtal, tight, w/minor clear + white anhydrites.
5350-5360	Dolomite, gray-brown, mic-v-f-xtal, tight; w/minor white + brown anhydrites
5360-5370	Dolomite, gray-black, mic-v-f-xtal, tight; w/minor white + brown anhydrite.

5370-5380	Dolomite, gray-brown, mic.-v-f-xtal, tight; w/trace white sucrosic anhydrite.
5380-5390	Dolomite, a.a.; but more mic.
5390-5400	As above.
5400-5410	(Partial Returns) Dolomite, a.a.; w/trace white + gray argill ls.
5410-5420	Interbeds of dolomite, gray-buff, mic.-v-fxtal; ls. white-gray-brown, mic.-v-f-xtal, argill.; + minor white + brown anhydrite.
5420-5430	As above
5430-5440	Ls., white-brown, mic.-v-f-xtal; w/dolomite, a.a. + anhydrite, a.a. interbed.
5440-5450	Dolomite, gray-buff, mic.-v-f-xtal; w/calc. stringers + trace anhydrite
5450-5460	Dolomite, a.a.; w/trace pyrite.
5460-5470	Dolomite, a.a.; w/trace pyrite; trace anhydrite; + calc. stringers.
5470-5480	Dolomite, a.a.; w/trace anhydrite.
5480-5490	As above.
5490-5500	Dolomite, gray, mic.-v-f-xtal, tight.
5500-5510	Dolomite, gray-buff, mic.-v-f-xtal; w/silt-sized qtz. grains in dolomite; trace pyrite.
5510-5520	Dolomite, a.a.; w/qtz. grains + trace anhydrite.
5520-5530	Dolomite, a.a.; w/qtz. grains + minor anhydrite.
5530-5540	As above.
5540-5550	Dolomite, a.a.; w/calc. stringers + trace anhydrite.
5550-5560	Dolomite, buff, mic.-v-f-xtal; w/trace anhydrite + minor grn. sh.
5560-5570	Dolomite, buff-gray, mic.; w/trace anhydrite + calc. stringers.
5570-5580	Dolomite, buff-gray, mic.-v-f-xtal; w/trace anhydrite + calc. Stringers.
5580-5590	As above but finer x-talline.

5590-5600	As above.
5600-5610	Dolomite, buff-gray, mic.; w/minor anhydrite + trace grn. sh.
5610-5620	Dolomite, a.a.; w/minor sucrosic anhydrite.
5620-5630	Dolomite, a.a.; w/minor stringers of v-f-xtal dol.
5630-5640	Dolomite, a.a.; w/trace anhydrite bds. + trace calc. stringers.
5640-5650	As above but more calc. stringers + minor anhydrite.
5650-5660	Dolomite, buff-gray, mic.-v-f-xtal, w/2nd white dolomite + trace anhydrite.
5660-5670	Dolomite, a.a.; w/2 d white dolomite + trace pyrite.
5670-5680	As above.
5680-5690	Dolomite, a.a.; w/2nd white dolomite + trace anhydrite.
5690-5700	Dolomite, a.a.; w/V. minor anhydrite.
5700-5710	Dolomite, gray, mic.-v-f-xtal.; w/trace pyrite.
5710-5720	Dolomite, a.a.; w/v. minor gray sh.
5720-5730	Dolomite, a.a.; w/minor gray sh., 2nd white dolomite, v. minor anhydrite + calc. stringers.
5730-5740	Dolomite, a.a.; w/minor gray sh. + anhydrite.
5740-5750	Dolomite, a.a.; w/trace anhydrite + 2nd dolomite.
5750-5760	Dolomite gray + pink, mic.-v-f-xtal; w/minor anhydrite w/glauconite + qtz. grains.
5760-5770	Dolomite, gray, mic.-v-f-xtal; w/trace anhydrite + silt-sized qtz. grains.
5770-5780	Dolomite, dark gray-black; mic.; w/2nd white dolomite + trace anhydrite.
5780-5790	As above.
5790-5800	Dolomite, gray + dark gray, mic.; w/2nd white dolomite + trace anhydrite.
5800-5810	Dolomite, gray, mic.; w/trace anhydrite.

5810-5820	Dolomite, a.a.; w/trace gray sh. + trace anhydrite.
5820-5830	Dolomite, a.a.; w/trace anhydrite + minor white ls. stringers.
5830-5840	Dolomite, a.a.; w/trace anhydrite.
5840-5850	Dolomite, gray-black, mic.-v-f-xtal; w/minor 2nd dolomite.
5850-5860	Dolomite, gray-dark gray, mic.-v-f-xtal, w/minor anhydrite.
5860-5870	Dolomite, gray, mic.; w/minor anhydrite.
5870-5880	As above.
5880-5890	Dolomite, gray-dark gray, mic.; w/minor anhydrite.
5890-5900	Dolomite, gray, mic.; w/minor anhydrite.
5900-5910	Dolomite, gray-dark gray, mic.-v-f-xtal; w/minor anhydrite
5910-5920	As above w/trace qtz. grains.
5920-5930	Dolomite, gray-black, mic.-v-f-xtal; w/2nd white dolomite + Pyrite.
5930-5940	Dolomite, gray-dark gray, mic.-v-f-xtal; w/minor anhydrite + pyrite.
5940-5950	As above but no pyrite.
5950-5960	As above.
5960-5970	Dolomite, a.a.; w/pyrite.
5970-5980	Dolomite, gray-black, mic.-v-f-xtal; w/2nd white dolomite + trace anhydrite.
5980-5990	As above.
5990-6000	Dolomite, a.a.; w/2nd white dolomite + minor anhydrite + pyrite.
6000-6010	Dolomite, gray-dark gray, mic.; w/abundant white anhydrite + pyrite.
6010-6020	Dolomite, gray, mic.;w/pyrite.
6020-6030	Dolomite, gray-dark gray, mic.-v-f-xtal; w/white anhydrite stringers + pyrite.

6030-6040	Dolomite, gray-buff, mic.-v-f-xtal; w/pyrite.
6040-6050	As above but w/minor anhydrite.
6050-6060	As above.
6060-6070	Dolomite, gray-dark gray, mic.-v-f-xtal, w/trace anhydrite + pyrite.
6070-6080	Dolomite, a.a.; w/calc. stringers + pyrite.
6080-6090	Dolomite, gray, mic.; w/calc. stringers + minor white + green anhydrite.
6090-6100	Dolomite, gray-buff, mic.; w/minor calc. stringers.
6100-6110	Interbeds of green, gray, buff + brown dolomite, mic.-v-f-xtal; w/minor white anhydrite, calc. stringers + pyrite.
6110-6120	Dolomite, buff-gray, mic.-v-f-xtal; w/white anhydrite + pyrite.
6120-6130	Dolomite, gray, mic.-v-f-xtal; w/calc. stringers + 2nd white dolomite.
6130-6140	Dolomite, a.a.; w/calc. stringers, minor anhydrite + pyrite.
6140-6150	As above.
6150-6160	As above.
6160-6170	As above but w/trace green-gray dolomite sh.
6170-6180	Dolomite gray + brown + pink, mic.-v-f-xtal; w/white ls. stringers, anhydrite + pyrite.
6180-6190	Interbeds of dolomite, gray, mic.-v-fxtal; ls., white argill.; anhydrite, white + green + minor pyrite, native sulphur
6190-6200	Interbeds of buff + gray + green, dolomite, mic.-v-fxtal; w/qtz grains.
6200-6210	Dolomite, buff-gray, mic.; w/minor anhydrite.
6210-6220	Dolomite, brown + gray, mic.-v-f-xtal, w/minor ls. stringers, qtz. grains + pyrite.

6220-6230	Dolomite, gray-buff + org., mic-v-f-xtal, w/minor anhydrite + pyrite.
6230-6240	Dolomite, gray-buff, mic.-v-fxtal, w/minor calc. stringers.
6240-6250	Dolomite, a.a.; w/v. minor calc. stringers, anhydrite, + pyrite.
6250-6260	Dolomite, gray + green, mic.-v-fxtal; w/white argill. ls. stringers + pyrite.
6260-6270	Dolomite, a.a.; w/org. dol. stringers + minor anhydrite.
6270-6280	As above.
6280-6290	Dolomite, gray, mic.-v-fxtal, w/white argill. ls stringers + anhydrite.
6290-6300	Dolomite, green + gray, mic.-v-f-xtal; w/white argill. ls. stringers + pyrite.
6300-6310	As above but no pyrite.
6310-6320	Dolomite, gray + buff + green + brown, mic.-v-fxtal; w/minor ls. + anhydrite.
6320-6330	Dolomite, buff-gray, mic.-v-f-xtal, w/trace pyrite.
6330-6340	Dolomite, gray-dark gray, mic.-v-f-xtal, w/minor white anhydrite.
6340-6350	Dolomite, a.a.; w/white anhydrite, minor ls. stringers, + silt-sized qtz. grains.
6350-6360	Dolomite, a.a.; w/more argill. ls. + less anhydrite, + silt-sized qtz. grains.
6360-6370	As above but w/trace pyrite.
6370-6380	Dolomite, gray, mic.-v-fxtal; w/white argill. ls. + white sucrosic anhydrite.
6380-6390	Dolomite, a.a., w/white argill. ls. + v. minor white sucrosic anhydrite.
6390-6400	As above.
6400-6410	As above.

6410-6420	Dolomite, a.a.; w/minor argill. ls. stringers + pyrite.
6420-6430	As above.
6430-6440	As above.
6440-6450	As above.
6450-6460	Dolomite, a.a.; w/tan dolomite stringers + v. minor ls. + anhydrite.
6460-6470	Dolomite, gray-dark gray, mic.-v-fxtal; w/trace anhydrite.
6470-6480	No sample.
6480-6490	Dolomite, a.a.; w/abundant pyrite.
6490-6500	Dolomite, a.a.; w/trace white anhydrite, 2nd white dolomite, white argill. ls. + pyrite.
6500-6510	Dolomite, dark gray-black, mic.-v-fxtal, w/trace white anhydrite, 2nd dolomite, argill. ls. + pyrite.
6510-6520	Dolomite, a.a.; v-f-xtal; w/trace white argill. ls. 2nd white dolomite + pyrite.
6520-6530	Dolomite, a.a.; w/minor pyrite.
6530-6540	Dolomite, a.a.; w/trace white argill. ls. + pyrite.
6540-6550	As above.
6550-6560	Dolomite, a.a.; mic.-v-f-xtal, w/trace white argill. ls. + pyrite.
6560-6570	Dolomite, a.a.; w/minor white argill. ls., pyrite, + trace qtz. grains.
6570-6580	Dolomite, gray-dark gray, mic.-v-fxtal; w/minor clear qtz. x-tals, 2nd dol. + pyrite.
6580-6590	Dolomite, a.a.; w/2nd white dolomite + pyrite.
6590-6600	Dolomite, gray, mic.-v-fxtal; w/2nd white dolomite, trace argill. ls., sucrosic anhydrite + pyrite.
6600-6610	As above but more argill. ls.
6610-6620	Dolomite, gray-dark gray, mic.-v-fxtal; w/2nd white dolomite + trace argill. wh. ls.

6620-6630	Dolomite, dark gray-black, v-f-xtal; w/2nd white dolomite + trace white argill. ls.
6630-6640	As above but w/trace pyrite + more argill. ls.
6640-6650	As above.
6650-6660	Dolomite, a.a.; w/abundant C-xtal 2nd white dolomite.
6660-6670	Dolomite. gray, mic.-v-f-xtal; w/c-xtal dolomite + minor argill. ls. stringers.
6670-6680	Dolomite, a.a.; w/c-xtal 2nd white dolomite, argill. ls. stringers, trace qtz. x-tals + pyrite.
6680-6690	No sample.
6690-6700	Dolomite, gray, mic.-v-f-xtal; w/minor white argill. ls. stringers + pyrite.
6700-6710	As above but w/trace sucrosic white anhydrite.
6710-6720	Dolomite, a.a.; w/abundant white sucrosic anhydrite interbeds.
6720-6730	As above.
6730-6740	Dolomite, dark gray, v-f-xtal; w/minor white sucrosic anhydrite + 2nd white dolomite.
6740-6750	As above but w/trace white chert.
6750-6760	As above but w/more anhydrite.
6760-6770	Dolomite, dark gray-black, v-fxtal; w/2nd white dolomite minor anhydrite, + mineralization?
6770-6780	Dolomite, black, v-fxtal; w/2nd white dolomite + trace white qtz. x-tals.
6780-6790	As above but w/minor argill. ls. stringers.
6790-6800	As above but w/white chert + no qtz.
6800-6810	Dolomite, black, v-f-xtal; w/trace 2nd white dolomite + white anhydrite.
6810-6820	Dolomite, dark gray-black, v-f-xtal; w/2nd white dolomite + trace sucrosic anhydrite.

6820-6830	Dolomite, dark gray-brown, v-f-xtal; w/2nd white dolomite, minor argill. ls. anhydrite, trace white chert + mineralization.
6830-6840	Dolomite, a.a.; w/2nd white dolomite, trace anhydrite targill ls.
6840-6850	Dolomite, dark gray-black, mic.-v-f-xtal; w/white anhydrite stringers, minor 2nd dolomite + argill ls.
6850-6860	As above but w/abundant white chert.
6860-6870	As above but only trace chert.
6870-6880	As above.
6880-6890	As above but w/minor anhydrite + argill. ls. + more 2nd white dolomite.
6890-6900	Dolomite, black, v-f-xtal; w/abundant c-xtal 2nd white dolomite.
6900-6910	Dolomite, dark gray, mic.-v-f-xtal; w/2nd white dolomite v. minor anhydrite, + argill. ls. + chert
6910-6920	Dolomite, dark gray-black, mic.-v-fxtal; w/anhydrite stringers, 2nd dolomite, argiil. ls. + chert.
6920-6930	Dolomite, dark gray, mic.-v-f-xtal; w/white anhydrite stringers, argill. ls., + 2nd white dolomite.
6930-6940	Dolomite, dark gray-black, mic.-v-fxtal; w/2nd white dolomite + minor argill. ls.
6940-6950	Dolomite, gray-dark gray, mic.-v-f-xtal; w/sucrosic anhydrite + argill. ls.
6950-6960	As above but less anhydrite + 2nd white dolomite.
6960-6970	As above but more anhydrite + minor mineralization?
6970-6980	As above but only minor 2nd white dolomite, anhydrite + argill. ls.
6980-6990	As above.
6990-7000	Dolomite, dark gray-black, v-f-xtal; w/minor 2nd dolomite + white buff anhydrite.

7000-7010	As above but gray-dark gray + mic.-v-f-xtal.
7010-7020	As above.
7020-7030	As above but less anhydrite.
7030-7040	Dolomite, dark gray, mic.-v-f-xtal: w/trace 2nd white dolomite + anhydrite.
7040-7050	Dolomite, a.a.

CORE DESCRIPTIONS

Core #/Description

2368 to 2370.3 - dark grey on fresh very fine sucrosic dolomite with fractures filled with white dolomite and 10% of voids filled with white gypsiferous material. Minor stylolitized surfaces stained black.

2370.3 to 2371.8 - Matrix as above but with no anhydrite. Appears to be at least thickly bedded with 3% intracrystalline and pinpoint to vuggy porosity. Black stylolite zones with relief up to 2-1/2" spaced 8 inches apart. Small white dolomite filled fractures.

2371.8 to 2375.35 - Medium grey on core surface, dark grey on fresh very fine sucrosic dolomite with up to 15% of surface (fresh) stained with black bituminous residue. 3% intracrystalline and pinpoint to vuggy porosity.

2375.35 to 2379.35 - As above with less than 1% fossil fragments, predominantly crinoidal. Minor fractures filled with secondary dolomite. Also get white dolomite in voids. A strong bituminous odor and probably thick to massively bedded.

2379.35 to 2382.10 - As above but with 8% white crinoidal (pentacrinus) and other skeletal debris. Minor stylolitization surfaces and fractures. 3% intracrystalline and vuggy porosity.

2382.10 to 2384.6 - As above but around 3% fossil remains and more fractures.

2384.6 to 2388.6 - As above with black stylolilization surfaces.

2388.6 to 2391.6 - As above with strong bituminous odor & stain but no effective porosity. Fractures filled with secondary white and clear dolomite.

2391.6 to 2393.- As above but with 8% white dolomite filled voids as well as white dolomitized organisms such as corals, crinoids and brachiopods. Interval is slightly fractured and fractures are filled with white calcareous dolomite. No effective porosity was present.

Shipping Information

Core #1
Box #1 - 2368-2371.5
#2 - 2371.5-2375.6
#3 - 2375.6-2379.35
#4 - 2379.35-2384.10
#5 - 2384.10-2388.35
#6 - 2388.35-2392.85

Core #2 - Interval 2403-2394

Dark grey very fine sucrosic dolomite that is extensively fractured and these fractures are infilled with white calcareous dolomite. The fractures run vertical to beddint? and are around 1/16 inch side. Concentrations of white dolomite exist in pools probably resulting from fracturing. A slight trace of white fossils is present but are too poorly preserved to accurately identify. The matrix has a basic porosity of 3% intracrystalline but it is impossible to determine the fracture porosity. Bitumen staining is evident along stylolitization surfaces predominantly but also along old fracture surfaces. The whole core has a strong fetid odor to it.

Core #3 - 2403-2431

2403-2404 - Dk. gry. V.F. sucrosic dolomite with sl. trace of crinoids and an isolated inclusion of white dolomite and a strong petroliferous odor.

2404-2406 - Matrix as above but with white crinoids oscicles (single canal and pentacrinus) up to 5% of total volume. Minor blobs of white dolomite and a strong petroliferous odor.

2406-2410 - Matrix as above - fractured with a trace of crinoidal debris and brachiopods which in places can be as concentrated as 40% of the rock, over a small (1" thick) zone. About 5% of zone is anhydrite in a white crystalline form, in blobs ranging in size from 1 inch in diameter to possible 2 inch thick stringers. The outside edge of blobs is irregular and one blob contains a small lump of X-5lm dolomite which tends to infer a state of brecciation exists. A strong petroliferous odor is present.

2410-14 - Matrix as above but with anhydrite exhibiting two characteristic forms, a crystalline and anamorphous one, possibly due to compressional forces. Neither are very hard. Fossils as above noted are also present as well as the strong petroliferous odor.

2414-2415 - Matrix as above but with minor 1/32" wide white dolomite filled fractures which are vertical to bedding. 1% crinoid and brachiopod debris is present.

2415-2417 - As above but now fractures up to 1/4" wide, and not all perpendicular to bedding, filled with white dolomite. The bedding appears to have been cut at right angles, or very close to it, by the core.

2417-2419 - As above matrix but smaller fractures and approximately 15% white anhydrite. The edges of the anhydrite contain inclusions of dolomite which indicates some brecciation took place. 3% white dolomitized crinoidal and brachiopod debris are present and a single gastropod was noted. A good petroliferous odor and a carbonaceous residue was found on some fracture and stylolitic surfaces.

2419-2424 - Matrix as above with minor pools of white dolomite and white dolomite in small vertical fractures. 3% scattered fossil fragments mostly crinoidal with minor brachiopod. Concentrations in small areas of fossils can be as high as 30% of rock over 1" thick zones. At 2423 get a small pod of anhydrite. Carbonaceous residue exists prominently along stylolitized surfaces.

2424-2426 - Matrix as above with carbonaceous residue on stylolitized surfaces.

2426-2431 - Matrix as above with 20% white crystalline anhydrite and white dolomite in fractures. Also get stringers of white anhydrite as well as large (4" thick) concentrations. A brecciated character is exhibited by the anhydrite dolomite contacts. A trace of crinoidal debris was noted. In last 2 feet also get stylolitized surfaces and fractures up to 1/16" thick filled with a carbonaceous residue.

LOGS

BOREHOLE COMPENSATED SONIC LOG

PROVINCE NORTHWEST TERRITORIES
FIELD WILDCAT
WELL AMOCO CANDEX SHELL A-1 RED DOG K-29
COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

WELL AMOCO CANDEX SHELL A-1 RED DOG

K-29

FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 64° 08' N LAT
125° 34' W LONG

Other Services: FDC-GR, DIL, HDT, ICS, GR-C, SNP-GR

Permanent Datum GL Elev. 1825
Log Measured From KB 14 Ft. Above Perm. Datum

ELEV: KB 1839
GL 1825
CBF

Date	26 FEB 72	26 MAR 72	
Run No.	ONE	TWO	
First Reading	2925	7076	
Last Reading	1368	2730	
Feet Measured	1557	4346	
Depth Reached	2927	7048	
Bottom Driller	2930	7050	
Csg. SOC	754	2918	
Csg. Driller	750	2895	
Mud Nature	AIR-WATER	WATER	
Dens. | Visc.	- | -	8.4 | 28	|
Mud pH	-	-	
• Water Loss	-	-	
• Res.	- @ °F	2.12 @ 66 °F	@ °F
• • @ BHT	- @ 64 °F	- @ °F	@ °F
• Rmf	- @ °F	- @ °F	@ °F
• Rmc	- @ °F	- @ °F	@ °F
Bit Size	7 7/8"	6 1/8"	
Span	2'	2'	2'
Opr. Rig Time	3 HRS	5 HRS	
Truck No.	OSU-C 264 REM	OSU-C 264 REM	
Recorded By	MCCOMB	MICKELSON	
Witness	SAMIS & FERGUSON	SAMIS & SHOWDON	

SCHLUMBERGER

SCHLUMBERGER COMPANY OF CANADA, LTD.

PROVINCE NORTHWEST TERRITORIES
FIELD WILDCAT
WELL AMOCO CANDEX SHELL A-1 RED DOG K-29
COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

WELL AMOCO CANDEX SHELL A-1 RED DOG

K-29

FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 64° 08' N LAT
125° 34' W LONG

Other Services: FDC-GR, DIL, HDT, ICS, GR-C, SLC-GR

Permanent Datum GL Elev. 1825
Log Measured From KB 14 Ft. Above Perm. Datum

ELEV: KB 1839
GL 1825
CBF

Date	26 FEB 72	26 MAR 72	
Run No.	ONE	TWO	
First Reading	2923	7047	
Last Reading	754	2918	
Feet Measured	2169	4129	
Depth Reached	2924	7048	
Bottom Driller	2930	7050	
Csg. SOC	754	2918	
Csg. Driller	750	2895	
Mud Nature	AIR-WATER	WATER	
Dens. | Visc.	- | -	8.4 | 28	|
Mud pH	-	-	
• Water Loss	-	-	
• Res.	@ °F	2.12 @ 66 °F	@ °F
• Rmf	@ °F	@ °F	@ °F
• • @ BHT	@ 64 °F	@ °F	@ °F
• Rmc	@ °F	@ °F	@ °F
• ppm-Cl.		-	
Bit Size	7 7/8"	6 1/4"	
Equipment Type	PNT-A	PNT-A	
Opr. Rig Time	3 HRS	8 HRS	
Truck No.	OSU-C 264 REM	OSU-C 264 REM	
Recorded By	MCCOMB	MICKELSON	
Witness	SAMIS & FERGUSON	SAMIS & SHOWDON	

SCHLUMBERGER

FOUR ARM
HIGH RESOLUTION
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COMPUTED

PROVINCE
FIELD
WELL
COMPANY

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

WELL AMOCO CANDEX SHELL A1 RED DOG

FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 64° 42" NORTH LAT
125° 34' 55" WEST LONG

Other Services:
[illegible]

Permanent Datum [illegible] Elev. [illegible]
Log Measured From KB 14 Ft. Above Perm. Datum
Drilling Measured From

ELEV: KB [illegible]
GL [illegible]
CBF

Date	[illegible]	[illegible]	
Run No.	[illegible]	ONE	
Depth Driller	[illegible]	7556	
Depth Logger	[illegible]	7618	
Btm. Log Interval	[illegible]	7611	
Top Log Interval	[illegible]	2918	
Casing Driller	[illegible]	2925	
Casing Logger	[illegible]	2918	
Bit Size	[illegible]	6 1/8"	
Type Fluid in Hole	AIR - GEL	LATEX	
Dens. / Visc.		9.4 / 28	
pH / Fluid Loss			
Source of Sample		FLOWLINE	
Rm @ Meas. Temp.	@ °F	2.12 @ 66 °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F
Source: Rmf / Rmc			
Rm @ BHT	@ 64 °F	@ °F	@ °F
Time Since Circ.	12.5 HRS.	21 HRS.	
Max. Rec. Temp.	64 °F	167 °F	°F
Equipment	HDT-C	HDT-C	
Truck No.	OSU-C 264	OSU-C 264	
Location	REMOTE	REMOTE	
Recorded By	McCOMB	NICKERSON	
Witnessed By	[illegible]	SAMIS & STRAKER	

SCHLUMBERGER DUAL INDUCTION-LATEROLOG

SCHLUMBERGER of CANADA (1972) LTD.

PROVINCE NORTHWEST TERRITORIES
FIELD WILDCAT
WELL AMOCO CANDEX SHELL A-1
RED DOG K-29
COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

WELL AMOCO CANDEX SHELL A-1 RED DOG
K-29

FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 64° 08' N LAT
125° 34' W LONG

Other Services: SLC-GR, FDC-GR, HDT, ICS, SNP-GR, GR-C

Permanent Datum GL Elev. 1825
Log Measured From KB 14 Ft. Above Perm. Datum

ELEV: KB 1839
GL 1825
CBF

Date	17 JAN 72	28 FEB 72	26 MAR 72
Run No.	ONE	TWO	THREE
First Reading	748	2920	7044
Last Reading	68	754	2918
Feet Measured	680	2166	4126
Depth Reached	754	2927	7048
Bottom Driller	750	2930	7050
Csg SOC	-	754	2918
Csg Driller	-	750	2895
Mud Nature	GEL	AIR-WATER	WATER
Dens. / Visc.	8.8 / 55	- / -	8.4 / 28
Mud pH	9.0	-	-
Water Loss	-	-	-
Rm @ Res.	5.62 @ 40 °F	- @ °F	2.12 @ 66 °F
Rmf @ Rmf	4.71 @ 40 °F	- @ °F	- @ °F
Rmc @ # BHT	3.76 @ 48 °F	- @ 64 °F	- @ °F
Rm @ Rmc	- @ °F	- @ °F	- @ °F
Source of Sample	FLOWLINE	-	FLOWLINE
Bit Size	12 1/4"	7 7/8"	6 1/8"
Opr. Rig Time	1 HR	1.5 HRS	3 HRS
Truck No.	OSU-C 264 REM	OSU-C 264 REM	OSU-C 264 REM
Recorded By	TALBOT	McCOMB	NICKERSON
Witness	SAMIS & FERGUSON	SAMIS & FERGUSON	SAMIS & SNOWDON

SCHLUMBERGER

GAMMA RAY - CALIPER

PROVINCE NORTHWEST TERRITORIES
FIELD WILDCAT
WELL AMOCO CANDEX SHELL A-1 RED DOG K-29
COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

WELL AMOCO CANDEX SHELL A-1 RED DOG
K-29

FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 64° 08' N LAT
125° 34' W LONG

Other Services: SLC-GR, FDC-GR, SNP-GR, HDT, DIL, ICS

Permanent Datum GL Elev. 1825
Log Measured From KB 14 Ft. Above Perm. Datum

ELEV: KB 1839
GL 1825
CBF

Date	18 JAN 72		
Run No.	ONE		
First Reading	752		
Last Reading	120		
Feet Measured	632		
Depth Reached	754		
Bottom Driller	750		
Csg. SOC	-		
Csg. Driller	-		
Mud Nature	GEL		
Dens. / Visc.	8.8 / 55	/	/
Mud pH	9.0		
• Water Loss	-		
• Res.	5.62 @ 40 °F	@ °F	@ °F
• • @ BHT	4.43 @ 48 °F	@ °F	@ °F
• Rmf	4.71 @ 40 °F	@ °F	@ °F
• Rmc	- @ °F	@ °F	@ °F
Bit Size	12 1/4"		
Span	2'	2'	2'
Opr. Rig Time	3 HRS		
Truck No	OSU-C 264 REM		
Recorded By	TALBOT		
Witness	SAMIS & FERGUSON		

FORMATION DENSITY LOG

PROVINCE NORTHWEST TERRITORIES
FIELD WILDCAT
WELL AMOCO CANDEX SHELL A-1 RED DOG K-29
COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

COMPANY AMOCO CANADA PETROLEUM COMPANY LTD.

WELL AMOCO CANDEX SHELL A-1 RED DOG
K-29

FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 64° 08' N LAT
125° 34' W LONG

Other Services: SNP-GR, DIL, HDT, ICS, SLC-GR, GR-C

Permanent Datum GL Elev. 1825
Log Measured From KB 14 Ft. Above Perm. Datum

ELEV: KB 1839
GL 1825
CBF

Date	28 FEB 72	26 MAR 72	
Run No.	ONE	TWO	
First Reading	2923	7048	
Last Reading	754	2918	
Feet Measured	2169	4129	
Depth Reached	2924	7048	
Bottom Driller	2930	7050	
Csg. SOC	754	2918	
Csg. Driller	750	2895	
Mud Nature	AIR-WATER	WATER	
Dens. / Visc.	- / -	8.4 / 28	/
Mud pH	-	-	
• Water Loss	-	-	
• Res.	- @ °F	2.12 @ 66 °F	@ °F
• Rmf	- @ °F	- @ °F	@ °F
• • @ BHT	- @ 64 °F	- @ °F	@ °F
• Rmc	- @ °F	- @ °F	@ °F
• ppm-Cl.	-	-	
Bit Size	7 7/8"	6 1/8	
Source to Detector			
Spacing	16"	-	
Equipment Type	PGT-D	PGT-D	
Opr. Rig Time	3 HRS	10 HRS	
Truck No.	OSU-C 264 REM	OSU-C 264 REM	
Recorded By	McCOMB	NICKERSON	
Witness	SAMIS & FERGUSON	[illegible]	

REPORT

and

PLAN

of

SUB-SURFACE

SURVEY

AMOCO CANADA PETROLEUM COMPANY LIMITED

AMOCO LLOE SHELL A-1 RED DOG

68° 48' 43" N - 125° 94' 55" W

JOB NO. _____

DATE MARCH 12, 197_

EASTMAN OIL WELL SURVEY COMPANY LTD.

CALGARY :: EDMONTON

RECORD OF SURVEY

AMOCO CANADA PETROLEUM COMPANY LIMITED
AMOCO LL&E SHELL A-1 RED DOG
68° 48' 43" N - 125° 94' 55" W

2M-10-65—A.W.

JOB NO.....

DATE MARCH 12, 1972.

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST	REMARKS
1	2910 00	-	2910 00	-	INTERMEDIATE CASING	-			-	
2	2967 50	5° 30'	2967 24	5 51	N 87 W	29			5 50	
3	3061 00	5° 15'	3060 35	8 55	N 79 W	1 92			13 89	
4	3154 50	5° 30'	3153 34	8 06	N 42 W	8 58			19 89	
5	3248 00	6° 00'	3246 31	9 77	N 09 W	18 23			21 42	
6	3341 50	6° 45'	3339 16	10 99	N 01 W	29 22			21 61	
7	3435 00	6° 30'	3432 06	10 58	N 10 E	39 64			19 77	
8	3528 50	6° 45'	3524 91	10 99	N 21 E	49 90			15 83	
9	3622 00	7° 30'	3617 61	12 20	N 24 E	61 04			10 87	
10	3715 50	7° 15'	3710 36	11 30	N 28 E	71 46			5 33	
11	3809 00	7° 30'	3803 06	12 20	N 34 E	81 57		1 49		
12	3902 50	7° 15'	3895 81	11 30	N 34 E	91 35		8 09		
13	3996 00	7° 45'	3988 46	12 61	N 28 E	102 48		14 01		
14	4089 50	8° 30'	4080 93	13 82	N 27 E	114 79		20 28		
15	4183 00	7° 45'	4173 58	12 61	N 27 E	126 03		26 00		
16	4276 50	7° 45'	4266 23	12 61	N 26 E	137 36		31 53		
17	4370 00	8° 45'	4358 65	14 22	N 27 E	150 03		37 99		
18	4463 50	9° 30'	4450 87	15 43	N 32 E	163 11		46 17		
19	4557 00	10° 30'	4542 81	17 04	N 34 E	177 24		55 70		
20	4650 50	10° 30'	4634 75	17 04	N 29 E	192 14		63 96		

RECORD OF SURVEY

AMOCO CANADA PETROLEUM COMPANY LIMITED
AMOCO LL&E SHELL A-1 RED DOG
68° 48' 43" N - 125° 94' 55" W

2M-10-65—A.W.

JOB NO.....

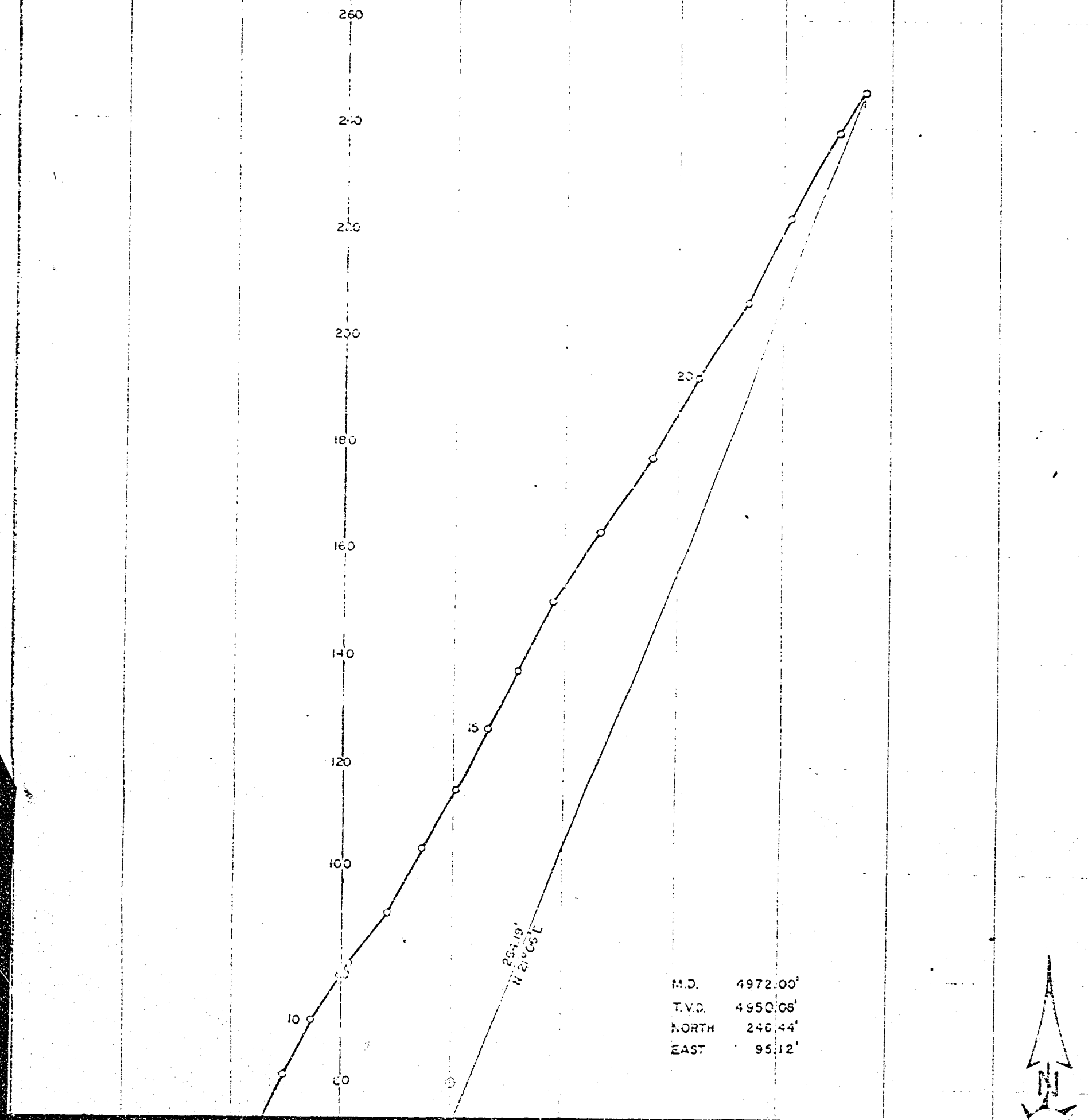
DATE MARCH 12, 1972.....

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS
						NORTH	SOUTH	EAST	WEST	
21	4744 00	10° 45'	4726 61	17 44	N 31 E	207 09		72 94		
22	4837 50	11° 00'	4818 39	17 84	N 28 E	222 84		81 32		
23	4931 00	11° 30'	4910 01	18 64	N 30 E	238 98		90 64		
24	4972 00	12° 15'	4950 08	8 70	N 31 E	246 44		95 12		
					CLOSURE: 264.19' N 21° 06' E					

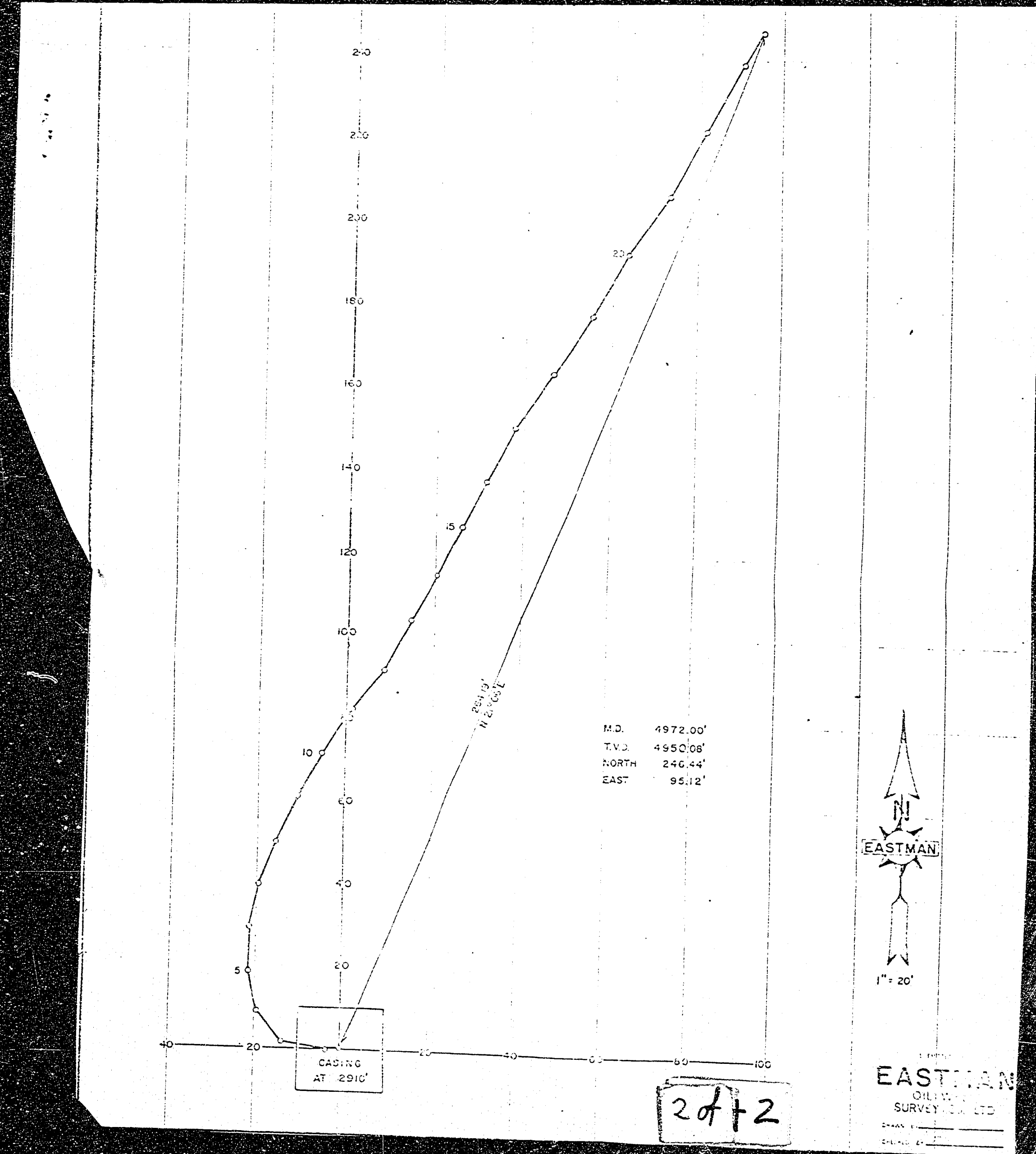
AMOCO CANADA PETROLEUM COMPANY LTD.

AMOCO LLOYD SHELL A-1 RED DOG

60°40'45" N - 125°94'55" W



1 of 2



2 of 2

EASTMAN
OIL WELL
SURVEYING LTD

WATER ANALYSIS

C.G.L.-54

CHEMICAL & GEOLOGICAL LABORATORIES LIMITED

CHEMICAL ANALYSIS

Field — Operator AMOCO CANADA PETROLEUM COMPANY LTD.
Location & Source Amoco et al A-1 Red Dog G-29
Sample Point River
Sampled (By; Date; Time)
Pertinent Data

Type of Sample Fresh Water — Lab. No. E72-7465-1

	Mg/l	Meq/l		Mg/l	Meq/l
Na & K	170	7.40	SO_4	843	17.53
			Cl	336	9.48
Ca	322	16.07	CO_3	Nil	---
Mg	84	6.90	HCO_3	205	3.36
Fe	Present				

Total Hardness: 1150 Mg/l. as $CaCO_3$

H_2S Nil

TOTAL SOLIDS IN mg/l

Evap. (105C)	2020	pH	7.8	at	73°	F.
Ign. (550C)	1452	Sp. Gr:	1.002	at	60°	F.
Calculated	1960	Resist:	4.57	ohm-m.	68°	F.

Trace organic matter

Analytical Observations & Remarks:
Sample consisted of clear colorless water.

ABBREVIATIONS: Cations: H: Hydrogen; Al: Aluminum; Ba: Barium; Cr: Chromium; NH_4: Ammonium. Anions: OH: Hydroxide; Br: Bromide; Fl: Fluoride; I: Iodide; PO_4: Phosphate; S: Sulfide; So_3: Sulfite; HS: Hydrosulfide or Mercaptide; NO_3: Nitrate; NO_2: Nitrite; CrO_4: Chromate.
MISCELLANEOUS: SiO_2: Silica; CO_2: Carbon Dioxide; mg/l: Milligrams per liter (approximate parts per million); meq/l: Milliequivalents/liter (or Milligram equivalents per liter); Alk: Alkalinity; MF: Membrane Filter; Turb: Turbidity; Cond: Specific conductance in micromho/cm. Org: Organic.

C.G.L.-31

CHEMICAL & GEOLOGICAL LABORATORIES LIMITED

CHEMICAL ANALYSIS

Field — Operator AMOCO CANADA PETROLEUM COMPANY LTD.

Location & Source: Amoco et al A-1 Red Dog G-29

Sample Point: Spring

Sampled (By; Date; Time):

Pertinent Data:

Type of Sample: Fresh Water

Lab. No. E72-7465-2

	Mg/l	Meq/l		Mg/l	Meq/l
Na & K	19	0.81	SO_4	843	17.53
			Cl	74	2.09
Ca	342	17.07	CO_3	Nil	---
Mg	91	7.48	HCO_3	350	5.74
Fe	Present				

Total Hardness: 1228 Mg/l, as $CaCO_3$

H_2S Nil

TOTAL SOLIDS IN mg/l

Evap. (105C)	1828	pH	8.1	at	73° F.
Ign. (550C)	1332	Sp. Gr:	1.002	at	68° F.
Calculated	1719	Resist:	6.27	ohm-m.	68° F.

Organic matter present

Analytical Observations & Remarks:

Sample consisted of clear, colorless water.

ABBREVIATIONS: Cations: H: Hydrogen; Al: Aluminum; Ba: Barium; Cr: Chromium; NH_4: Ammonium. Anions: OH: Hydroxide; Br: Bromide; F: Fluoride; I: Iodide; PO_4: Phosphate; S: Sulfide; So_3: Sulfite; HS: Hydrosulfide or Mercaptide; NO_3: Nitrate; NO_2: Nitrite; CrO_4: Chromate.
MISCELLANEOUS: SiO_2: Silica; CO_2: Carbon Dioxide; mg/l: Milligrams per liter (approximate parts per million); meq/l: Milliequivalents/liter (or Milligram equivalents per liter); Alk: Alkalinity; MF: Membrane Filter; Turb: Turbidity; Cond: Specific conductance in micromho/cm. Org: Organic.

DAILY DRILLING REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condex Shell A-1 Red Dog	A-1		4-2-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Ltd		Thomson Drlg. Ltd	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
W. Sanni		H.R. Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION 64° 09' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	Spud - 4-2-72
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	
	D.C ID	OD	FT.
	STB RMR	OD	FT.
	D.C ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 PAR'EL-P COM'DC

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	
	D.C ID	OD	FT.
	STB RMR	OD	FT.
	D.C ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

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 PAR'EL-P COM'DC

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Tear out camp mud ass can wait in truck

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	
	D.C ID	OD	FT.
	STB RMR	OD	FT.
	D.C ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

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 PAR'EL-P COM'DC

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				– TEAR OUT KAPS STOP by 158.
				– load out spares, ~~[illegible]~~
				– Unit #162 broke down.

DRILLER

DRILLING CREW PAYROLL DATA

DATE April 2 1972

WELL NAME & NO. Amoco Condex Shell A-1 Red Dog

COMPANY

TOOL PUSHER H.R. Crumly RIG NO. 19

MORNING TOUR ____ P.M. ____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 446	Clint Campbell	8
MTRMAN	613 961 169	Keith Crow	9
FIREMAN			
FLRMAN	609 574 544	Art Millett	8
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 618	Paul Jacob	8
DRKMAN	619 284 467	Rick Belair	8
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS 352 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 800 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN	615 108 305	KEN STENERSON	8
MTRMAN	610 463 432	WM. BROZNY	8
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Shell A-1 Red Dog	A-1		4-1-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	Thomson Drlg. Ltd.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.A. Samis

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G.R. Crumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION: 64° 06' 3/3" N 125° 34' 55" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE April 1 - 1972

WELL NAME & NO. Amoco Candex Shell A-1 Red Dog

COMPANY Thomson Drlg. Ltd

TOOL PUSHER G.R. Crumley RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
	D.C. ID OD	FT.	TYPE	VISC.-SEC.
	STB RMR OD	FT.	JETS 1-32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS
	STB RMR OD	FT.	DEPTH OUT	WL -CC'S
			DEPTH IN	pH
			TOTAL FTG.	SOLIDS %
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
	WT. OF STRING	LBS.		

MORNING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR'D RM'R CORE'C	CORE NO.	FORMATION	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 SCH'S PART'L P COMP'D C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Same as Below!

DRILLER

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	614 961 169	Keith Orom	8
FIREMAN			
FLRMAN	609 574 546	Art Mellott	8
FLRMAN			
FLRMAN			

NO. OF DAYS 366 SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
	D.C. ID OD	FT.	TYPE	VISC.-SEC.
	STB RMR OD	FT.	JET 1/32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS
	STB RMR OD	FT.	DEPTH OUT	WL -CC'S
			DEPTH IN	pH
			TOTAL FTG.	SOLIDS %
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
	WT. OF STRING	LBS.		

DAY TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR'D RM'R CORE'C	CORE NO.	FORMATION	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 SCH'S PART'L P COMP'D C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600			Load out 3 1/2 pipe + D.C Core Bbls Mormet + Kelly and Kelly bushing Cat Walk + misc. 3 Falcon trucks loaded out x 2 Kapes. limits

DRILLER

DRILLING CREW PAYROLL DATA

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 755 615	Paul Jacob	8
DRKMAN	618 284 467	Rick Belair	8
MTRMAN			
FIREMAN	607 493 234	Doyle Norma	8
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
	D.C. ID OD	FT.	TYPE	VISC.-SEC.
	STB RMR OD	FT.	JETS 1/32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS
	STB RMR OD	FT.	DEPTH OUT	WL -CC'S
			DEPTH IN	pH
			TOTAL FTG.	SOLIDS %
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
	WT. OF STRING	LBS.		

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR'D RM'R CORE'C	CORE NO.	FORMATION	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 SCH'S PART'L P COMP'D C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Load out to Mackenzie River. 1 - 18,000 gal tank M.T. 1 - load fuel.

DRILLER

DRILLING CREW PAYROLL DATA

EVENING TOUR — 1200 A.M. — 800 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN	615 108 305	KEN STENERSON	8
MTRMAN	610 463 732	Wm. BROZNY	8
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Dell A-1 Red Dog	A-1		3-31-72
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Canada Ltd			19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
D Adams			

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION 64° 08' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE March 31/72

WELL NAME & NO. Amoco A-1 Red Dog

COMPANY Thomson Drlg.

TOOL PUSHER — RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 SURVEY PARTIAL COMPLETE

DEVIATION RECORD

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

TIME LOG

TIME: OG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Sear cat rig @ old location
				wait for Thomson to return till 7:00 P.M.
				Load out derrick, sub, drawworks,
				matting, ramps, spreader, water & fuel tanks,
				all cement, bldg. empty ones.

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE / FORMATION

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 SURVEY PARTIAL COMPLETE

DEVIATION RECORD

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

TIME LOG

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Same as above
				Trucks arrived @ 700 P.M. Hey loaded
				out same.
				loaded rig and hauled to Mackenzie
				3 loads consisting of — 378 sacks borite
				— 320 sks Cement.
				— 9 Calcium Chloride
				— 3 Drill Powder Soda.

EVENING TOUR

FOOTAGE / FORMATION

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 SURVEY PARTIAL COMPLETE

DEVIATION RECORD

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

TIME LOG

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				— 25 sacks Gel.
				— set 50 MT. BAILS.
				— 1 Kap containing W/
				shop & misc parts.
				—
				[illegible]
				Two Kap's trucks W/ lighting (167 & 169) continued
				to Norman Wells W/ 18 sacks Drispac and
				2 Kap Boxes (#910 & 965) W/ 700 ft DRILLER Kwik Seal.

MORNING TOUR — 5 P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	619 961 159	Keith Orom	8
FIREMAN			
FLRMAN	609 574 546	Art MacDuff	12
FLRMAN			
FLRMAN			

Welds floor

Welding & Kap. 3 hrs.

NO. OF DAYS 365 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 665	PAUL JACOB	8
DRKMAN	608 264 419	RICK GELINAS	9
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN	609 493 836	Dergle Norman	16

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 12:00 P.M. 1:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		ALLEN THOMAS	13
DRKMAN		KEN STENERSON	13
MTRMAN		WM. BROZNY	13
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Cadex Shell A1 Rod Dog	A-1		3-30-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	Thomson Drlg Ltd	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
V A Sam	H K Brumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION: 64° 05' 43" N — 125° 34' 55" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE March 30 /72

WELL NAME & NO. Amoco Cadex Shell A-1 Rod Dog

COMPANY Thomson Drlg Ltd

TOOL PUSHER H K Brumley — RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
BIT	FT.	BIT NO.		TIME	
		SIZE		WEIGHT	
STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
D.C. ID OD	FT.	TYPE		VISC.-SEC.	
STB RMR OD	FT.	JETS 1 32"		PV/YP	/ / /
D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
		DEPTH IN		pH	
		TOTAL FTG.		SOLIDS %	
		TOTAL HRS. RUN			
STANDS DP	FT.	COND. 1/8's T/B. GAGE		MUD & CHEMICALS ADDED	
SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE AMT. TYPE AMT.	
KELLY DOWN	FT.				
TOTAL	FT.				
WT. OF STRING	LBS.				

MORNING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

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	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Move 1 Dsr rig off Dsr
				Split Derrick, take off draworks, take down dog house, split sub
				Take across River (1) water + fuel tank (Rig tank) (2) Boiler (3) Draworks

DRILLER Clifford Johnson

MORNING TOUR — CREW PAYROLL

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 649 760	Clifford Johnson	8
DRKMAN	602 703 466	Clint Campbell	8
MTRMAN	619 703 466	Keith Snow	8
FIREMAN			
FLRMAN		Doug Burke	8
FLRMAN	609 574 546	Art Mellott	8
FLRMAN			

MORNING TOUR ____ : ____ P.M. ____ A.M.

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

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	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				~~Move~~ Same as Above
				Haul to Mackenzie River — 2nd load fuel, rat hole gel. — 1 Dowell cementing unit.

DRILLER

DAY TOUR — CREW PAYROLL

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	8
DRKMAN	618 284 469	Rick Belair	8
MTRMAN	606 622 900	Hugh Quinn	8
FIREMAN			
FLRMAN	613 779 636	Carl Shiller	9
FLRMAN	600 703 045	John Barrett	9
FLRMAN	607 495 236	Deryl Norman	8
Welder	706 710 472	Jim Desjardins	9
		Welders time 2 hrs charge to Kops	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

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	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				6 1/8" Bits ~~changed~~
				3-29-72
				QBT → Norman.
				3-31-72

H.W.	- DWV-J	H.H. 864	MURPHY	YMR	795 265
"	- OSC-J	FN 537	"	YHR	796 163
3/4"	- RS7-J	RV 258	SMITH	SS7	JKO 24
SEC	- M-88	392 576	"	SS7	JKO 15
	- H-88	284 011	"	SS7	JKO 02
	M-88	390 103	"	SS7	JKO 07
	H7J	352 617			

DRILLER

EVENING TOUR — CREW PAYROLL

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Allen Thomas	8
DRKMAN		Ken Stenerson	8
MTRMAN		Wm Brosny	8
FIREMAN		Earl Dockerty	4
FLRMAN			
FLRMAN			
FLRMAN			

EVENING TOUR ____ P.M. ____ P.M.

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex SHELL Red Dog	A-1		3-29-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD.	Thomson DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L.L. Sanner

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G.A. Bromley

LEGAL LAND DESCRIPTION: Unit K Section 29, Latitude 68°05'45"N Longitude 125°34'55"W

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4½	IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D 500	16
2	National	C 250	15

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8⅝	Mann	24 K55	17	730		735
7	Kwn	26 K55	77	3910		3895

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF		PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

DRILLING CREW PAYROLL DATA

DATE 3-29-72

WELL NAME & NO. Amoco Candex SHELL Red Dog A-1

COMPANY Thomson

TOOL PUSHER G.A. Bromley RIG NO. 19

MORNING TOUR — 12 00 P.M. — 5 00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	12
DRKMAN		Clint Campbell	12
MTRMAN		Keith Brown	12
FIREMAN			
FLRMAN		Doug Burke	8
FLRMAN		Art I. Mellott	8
FLRMAN			

NO. OF DAYS 363 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	12
DRKMAN	618 284 417	Rick Belair	12
MTRMAN	606 622 900	Hugh Quinn	9
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	9
FLRMAN	600 703 045	John Brant	9
FLRMAN	607 493 236	Beryl Norman	12
Welder	706 710 472	Jim Berjmair	10
		Webber 2 HRS CHARGE to RAPS	

NO. OF DAYS 348 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	Allen Thomas	8
DRKMAN	615 108 305	Ken Stenerson	8
MTRMAN	610 863 432	Wm. Bruzny	8
FIREMAN			
FLRMAN	603 110 305	Earl Docherty	8
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN	4	8	8
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION: A. PERF'RT'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

BIT ____ FT.

STB RMR OD ____ FT.

D.C. ID OD ____ FT.

STB RMR OD ____ FT.

D.C. ID OD ____ FT.

STB RMR OD NIL FT.

STANDS DP ____ FT.

SINGLES DP ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO. ____

SIZE ____

MFG. ____

TYPE ____

JETS 1/32" ____

SER. NO. NIL

DEPTH OUT ____

DEPTH IN ____

TOTAL FTG. ____

TOTAL HRS. RUN ____

COND. 1/8's T/B/ GAGE ____

GPM/ PD–PSI ____

MUD RECORD

TIME ____

WEIGHT ____

PRESSURE GRADIENT ____

VISC.–SEC. ____

PV/YP ____

GELS. ____

WL –CC'S. ____

pH ____

SOLIDS % ____

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

BIT ____ FT.

STB RMR OD ____ FT.

D.C. ID OD ____ FT.

STB RMR OD ____ FT.

D.C. ID OD ____ FT.

STB RMR OD ____ FT.

STANDS DP ____ FT.

SINGLES DP ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO. ____

SIZE ____

MFG. ____

TYPE ____

JET 1/32" ____

SER. NO. ____

DEPTH OUT ____

DEPTH IN ____

TOTAL FTG. ____

TOTAL HRS. RUN ____

COND. 1/8's T/B/ GAGE ____

GPM/ PD–PSI ____

MUD RECORD

TIME ____

WEIGHT ____

PRESSURE GRADIENT ____

VISC.–SEC. ____

PV/YP ____

GELS. ____

WL –CC'S. ____

pH ____

SOLIDS % ____

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

BIT ____ FT.

STB RMR OD ____ FT.

D.C. ID OD ____ FT.

STB RMR OD ____ FT.

D.C. ID OD ____ FT.

STB RMR OD ____ FT.

STANDS DP ____ FT.

SINGLES DP ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO. ____

SIZE ____

MFG. ____

TYPE ____

JETS 1/32" ____

SER. NO. ____

DEPTH OUT ____

DEPTH IN ____

TOTAL FTG. ____

TOTAL HRS. RUN ____

COND. 1/8's T/B/ GAGE ____

GPM/ PD–PSI ____

MUD RECORD

TIME ____

WEIGHT ____

PRESSURE GRADIENT ____

VISC.–SEC. ____

PV/YP ____

GELS. ____

WL –CC'S. ____

pH ____

SOLIDS % ____

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION	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	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800			Tearing out Rig FALCON TRUCKS LOADED OUT 5 LOADS @ MOUTH OF KEELE RIVER 4½ DRILL PIPE 6¼ " COLLERS VK PIPE RACKS.

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION	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	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800				TEAR OUT Rig LAY DOWN DERRICK WASH BOILER. TAKE OFF DERRICK. Load out 2 – pumps 2 – mud tanks VK CUT LOGS FOR L.L. LOCATION.

DRILLER Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION	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	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				LOAD OUT 2 – 18,000 GAL TANKS } TO MCKENZIE VK 1 – LOAD 3000 GAL FUEL } @ KEELE. MOVE DOWN HILL – CAT CAMP – LOGGING UNIT.

DRILLER

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada SHELL Red Dog N-1	A-1		3-28-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD	Thomson Drilling	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
K Banis	

Unit K — Section 29.

LEGAL LAND DESCRIPTION: Latitude 64°28'43"N Longitude 125°31'55"W

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4½	IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RK& TO CSG. HD.	SET AT
8 5/8	Mann	24 K55	17	750		735'
7	KNN	26 K55	77	2910		2895'

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF		PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			1½
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	6½	8	
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.	1½		
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			½
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK LAY DOWN PIPE			1½
21.	LAY DOWN RENTAL EQUIPMENT			1½
22.	TEAR OUT BOP			3
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.		8	
	TOTALS	8		8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1. 32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 DRILL-S PART-P COMP-C

DEVIATION RECORD — DEPTH / DEV. / DIRECTION

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
0600	6	W.O.C.						
0670	11	Feet for plug #2 Lapped x 2942'						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0670	0700	½		Trip in Run plug #3 2942-2850
0700	0730	½		Run plug #3 @ 35 sx Neat + 3% CaCl2 P.D. 0730
0730	0800	½		W.O.C.

Clifford Johnson — DRILLER

DRILLING CREW PAYROLL DATA

DATE 3-28-72

WELL NAME & NO. Amoco Canada SHELL Red Dog A-1

COMPANY Thomson Drilling 8

TOOL PUSHER _____ RIG NO. 19

MORNING TOUR 0600 P.M. 1200 P.M.

	SOC. SEC. NO.	NAME	HRS.
CREW	600 705 966	Clint Campbell	8
DRILLER	618 961 193	Keith Crown	8
DRKMAN			
MTRMAN	603 143 915	Doug Burke	8
FIREMAN	609 774 546	Gale Mellett	8
FLRMAN			
FLRMAN			
FLRMAN			

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NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE / FORMATION

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 DRILL-S PART-P COMP-C

DEVIATION RECORD — DEPTH / DEV. / DIRECTION

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1600	8							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600			W.O.C. Plug #3

DRILLING CREW PAYROLL DATA

DATE 3-28-72

WELL NAME & NO. Amoco Canada SHELL Red Dog A-1

COMPANY Thomson Drilling 8

TOOL PUSHER _____ RIG NO. 19

DAYLIGHT TOUR 0800 P.M. 1600 P.M.

	SOC. SEC. NO.	NAME	HRS.
CREW	618 754 767	Rick Blair	8
DRILLER	606 625 900	Hugh Quinn	8
DRKMAN			~~12~~
MTRMAN	603 774 636 ~~363~~	Carl Schiller	~~11~~
FIREMAN	600 708 045	John Baert	8
FLRMAN	607 743 236	Daryl Norman	
WELDER	706 710 412	Jim Desjarlais	~~14~~
FLRMAN			
			8

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NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

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 DRILL-S PART-P COMP-C

DEVIATION RECORD — DEPTH / DEV. / DIRECTION

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1600	8							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1635	~~½~~ ¾	17	Run in tag plug #3 @ 2804', held 5M# x 5 mins.
1635	1800	1¼	21	Lay down drill pipe.
1800	1930	1½	22	LAY DOWN RENTAL EQUIPMENT, KELLY + MOUSE HOLE
1930	2230	3	23	TEAR OUT BOP, CHANGE PIPE RAMS + LAY DOWN SAME.
2230	2400	1½	1	TEAR OUT RIG
				Rig Release 10:30 PM (22.30) 3-28-72

Allen Thomas — DRILLER

DRILLING CREW PAYROLL DATA

DATE 3-28-72

WELL NAME & NO. Amoco Canada SHELL Red Dog A-1

COMPANY Thomson Drilling 8

TOOL PUSHER _____ RIG NO. 19

EVENING TOUR 1600 P.M. 2400 P.M.

	SOC. SEC. NO.	NAME	HRS.
CREW			
DRILLER	610 398 968	Allen Thomas	8
DRKMAN	615 108 305	Ken Stenerson	8
MTRMAN	610 463 234	Wm. Brown	8
FIREMAN			
FLRMAN	603 110 305	Earl Docherty	8
FLRMAN			
FLRMAN			

NO. OF DAYS 317 SINCE LAST LOST TIME ACCIDENT

FORM 375 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condex SHELL Red Dog	A-1		3-27-72
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Canada LTD	Thomson DRLG		19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
W.A. Sawin	G.R. Crumley		

LEGAL LAND DESCRIPTION: Unit K - Section 29
Latitude 64° 08' 43"N Longitude 125° 34' 55" W

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4½	IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	Wabco	C250	15

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝	Hanna	24 K55	17	750		735'
	7	Kaiser	26 K55	77	2910		2895'

WIRE LINE RECORD — REEL NO.
SIZE | NO. LINES | FT. SLIPPED
FT. CUT OFF | PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA
DATE 3-28-72
WELL NAME & NO. Amoco Condex SHELL Red Dog A-1
COMPANY Thomson DRLG.
TOOL PUSHER G.R. Crumley RIG NO.

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		2	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	8	6	
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION: A. PERF'R'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. NO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
1	bit Sub		3.49
	STB RMR	OD	FT.
1	D.C. ID	4¾ OD	30.09 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID	OD	550.34 FT.
	STB RMR	OD	FT.
1	Key Sub		6.84
69	STANDS DP		6431.86 FT.
1	SINGLES	DP	34.13 FT.
	KELLY DOWN		23.00 FT.
	TOTAL		7050 FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1. 32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8"- T/8" GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

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

DRILLING ASSEMBLY (At end of tour) — duplicate

			FT.
	BIT		
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD — duplicate

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8"- T/8" GAGE	
GPM/ PD--PSI	

MUD RECORD — duplicate

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

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

DRILLING ASSEMBLY (At end of tour) — duplicate

			FT.
	BIT		
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD — duplicate

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8"- T/8" GAGE	
GPM/ PD--PSI	

MUD RECORD — duplicate

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
P-/ YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

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

MORNING TOUR

FOOTAGE FROM 7050 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 (CIRC. PACKER COMPLC.)

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0500	1		Logging with Schlumberger.
2400	0300			RUN SES VELOCITY SURVEY w/ Schlumberger Line.
0300	0800			Rerun FDC with new Sonde
0800				Rerun SNP/GR w/new Sonde and replaced shock sub.
				Safety meeting held.

DRILLER Fred Kostynuk

DAY TOUR

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 (CIRC. PACKER COMPLC.)

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1200	4		Logging w/ Schlumberger — Rerun SNP with replacement shock and new Sonde (Sonde is same one — a common Sonde - order for F.D.C. tool.
1200	1400	½		Load out logging equip.
1400	1600	2		Run in Dec 1 Jay 1 Joan same pick up engine

DRILLER Cliff Johnson

EVENING TOUR

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 (CIRC. PACKER COMPLC.)

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1830	2½		Run in open end
1830	1915	¾		Break circ. and circ. Rig up to run plug No. 1
1915	2000	¾		Run plug No. 1 # 7050 - 6950 25 sx neat. P.D. 1945
2000	2300	3		Lay down 132 joint D. pipe
2300	2330	½		Break circ. Rig up to run plug No. 2.
2330	2400	½		Run Plug No 2 2950 - 2850 35 sx neat + 3% CaCl2. ; P.D. 2400

DRILLER Lou Jacot

MORNING TOUR

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	603 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	700 902 604	Maurice Miskosky	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	8
DRKMAN		Clyde Campbell	8
MTRMAN		Keith Drown	8
FIREMAN			
FLRMAN		Doug Burke	8
FLRMAN		Art Mellott	8
FLRMAN		Leroy Norman	8
Welder	706 710 479	Jim Desjarlais	8

NO. OF DAYS 361 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 739 603	Lou Jacot	8
DRKMAN	618 294 467	Buck Belair	8
MTRMAN	606 622 900	Hugh Quesnel	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	606 703 045	John Baert	8
FLRMAN			

NO. OF DAYS 346 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex SHELL Red Dog	A-1		3-26-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada LTD.		Thomson DRLG.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
V.R. Samis		G.R. Crumley	

Unit K Section 29

LEGAL LAND DESCRIPTION: Latitude 64°09' 43"N Longitude 125°34' 55"W

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4½	IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	T AT
	8 5/8	Mann	24 K55	17	750		5'
	7	K&E	26 K55	77	2910		3975'

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	7½	8	
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Rig to Log	½		
22.			
23.			
A. PERF'R'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.57 FT.
1	Bit Sub		2.49 FT.
	STB RMR	OD	FT.
1	D.C. ID 4 3/4	OD	30.08 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID 4 3/4	OD	520.34 FT.
	STB RMR	OD	FT.
1	Key S.W.		6.84
69	STANDS DP		6431.86 FT.
1	SINGLES DP		31.13 FT.
	KELLY DOWN		23.00 FT.
	TOTAL		7050 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 PARTIAL-P COMPLE-C
7050												

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0030			Rig up to Log BHCGRS/C.
0030	0500			Logging BHCGRS/CA
				Bobtbom w/ Schlumberger
				7049
0500	0800			LOGGING DIL

Pipe STRAP
BOARD 7068.82
SLM 7069.10
DIFF. -.28
11 - RESERVE
12 - MAIN.

DRILLER Fred Kostynuk

DAY TOUR

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 PARTIAL-P COMPLE-C
7050												

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1300	8		Dogging SNP Tool failed, ordered new skid replacement skid from Schlumberger Inuvik Via. #P.W.A. Heli to Norman Wells and 185 Norman Wells to location
				Safety Meeting Held
1300	1600			Logging FDC w/ Schlumberger, tool failed, ordered new sonde from Schlumberger Inuvik, Aztec, Charter from Inuvik – Norman Wells; Via Northward to location

DRILLER Lloyd Johnson

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		.57 FT.
1	Bit Sub		2.49 FT.
	STB RMR	OD	FT.
1	D.C. ID 4 3/4	OD	30.08 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID 4 3/4	OD	520.34 FT.
	STB RMR	OD	FT.
1	K.B.W.		6.84
69	STANDS DP		6431.86 FT.
1	SINGLES DP		31.13 FT.
	KELLY DOWN		23.00 FT.
	TOTAL		7050 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	3A
SIZE	6 1/8
MFG.	Sec
TYPE	M88
JETS 1/32"	12 13 B
SER. NO.	39100
DEPTH OUT	7050
DEPTH IN	6913
TOTAL FTG.	137
TOTAL HRS. RUN	12½
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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 PARTIAL-P COMPLE-C
7050												

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700			LOGGING w/ SCHLUMBERGER F.D.C. being checked for required repairs
				Safety meeting Held
1700	2100			Logging HDT (Dipmeter)
2100	2300			Repair Schlumberger Bridle – Had leak up for Velocity
2300	2400			Run Velocity Survey SRS – CENTURY GEO PHYSICAL.

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 3-26-72
WELL NAME & NO. Amoco Candex SHELL Red Dog A-1
COMPANY Thomson DRLG
TOOL PUSHER G.R. Crumley RIG NO. 19

MORNING TOUR ____ P.M. ____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 288	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robert Brooks	8
FLRMAN	700 902 604	Maurice Mackosky	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	8
DRKMAN		Calvin Campbell	8
MTRMAN		Keith Crow	8
FIREMAN			
FLRMAN		Doyle Burke	8
FLRMAN		Art Mellett	8
FLRMAN		Daryl Norman	8
Welder	706 710 472	Jim Desjarlais	8

Welders time 2 hrs charge to Kop

NO. OF DAYS 345 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ____ P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 165	Paul Jacob	8
DRKMAN	618 284 467	Rick Belnir	8
MTRMAN	606 622 960	Hugh Quinn	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	600 703 045	John Baert	8
FLRMAN			

NO. OF DAYS 345 SINCE LAST LOST TIME ACCIDENT

Form 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex SHELL Red Dog	A-1		3-25-72
OPERATOR		**CONTRACTOR**	RIG NO.
Amoco Canada LTD.		Thomson DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
W Bamer		GR Crumly	

Unit K- section 29

LEGAL LAND DESCRIPTION: Latitude 64°08'45"N Longitude 125°34'55" W

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4½	IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	16

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8 5/8	Mann	24 K55	17	750		735'
7	KN	26 K55	77	2910		2895

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 1/8	8	285

FT. CUT OFF: 285 — PRESENT LENGTH: 4285'

TON MI. OR TRIPS SINCE LAST CUT: 111.70 TM

CUMULATIVE TON MI. OR TRIPS: 26 Trips 2447 TM

DRILLING CREW PAYROLL DATA

DATE 3-25-72

WELL NAME & NO. Amoco Candex SHELL Red Dog A-1

COMPANY

TOOL PUSHER GR Crumly — RIG NO. 19

TIME DISTRIBUTION – HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	2	6¼	3¾
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			¾
6. TRIPS	4½		2¾
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE	1¼		
10. DEVIATION SURVEY		¾	½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		¼	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			

COMPLETION: A. PERF'R'TN; B. TDG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS: 8 4 8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD: 1-5-72

CUMULATIVE ROTATING HRS.

TOTAL WELL COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	.57	FT.
1	B.S. Sub	2.49	
	STB RMR OD		FT.
1	D.C. ID 4¾ OD	30.08	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4¾ OD	520.34	FT.
	STB RMR OD		FT.
1	Key S.W.	6.84	
68	STANDS DP	6338.92	FT.
	SINGLES DP		FT.
	KELLY DOWN	31.00	FT.
	TOTAL	6934	FT.
	WT. OF STRING	108.000	LBS.

BIT RECORD

BIT NO.	33 — 34
SIZE	6 1/8 — 6 1/8
MFG.	Smith — Sec
TYPE	SSS — M-88
JETS 1 32nds	12 12 B 13 12 B
SER. NO.	J.H.349 — 39100
DEPTH OUT	6913
DEPTH IN	6692 — 6913
TOTAL FTG.	221 — 21
TOTAL HRS. RUN	17¼ — 2
COND. 1/8's T/B/ GAGE	8 X 6 - 8 - 1/16
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0600		0500
WEIGHT	8.4		8.4
PRESSURE GRADIENT	437		437
VISC.-SEC.	29		28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	7.0		12.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	400#		

MORNING TOUR

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 SCHL'S PART'L'D COMP'TED
6913.	6920	D			40	22	1650	5	48			
6920	6934				41	22	1750	5	49			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6900	10½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		Rig S.&R.
0015	0230	2¼		TRIP OUT, RUN IN DC's, ✓ BLIND RAMS
0230	0345	1¼		Slip & CUT 285 ft of D. line
0345	0600	2¼		RUN IN CLEAN OUT to bottom
0600	0800	2		DRLG

Res. 12 ft fuel.
MAIN 12 ft 1 1

DRILLER Fred Kostynuk

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 459 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robert Brooker	8
FLRMAN	700 902 604	Maurice Muskosky	8
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57	FT.
1	B.S. Sub	2.49	
	STB RMR OD		FT.
1	D.C. ID 4¾ OD	30.09	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4¾ OD	520.34	FT.
	STB RMR OD		FT.
1	Key S.W.	6.84	
69	STANDS DP	6431.86	FT.
	SINGLES DP		FT.
	KELLY DOWN	12.31	FT.
	TOTAL	7009.00	FT.
	WT. OF STRING	106 M.	LBS.

BIT RECORD

BIT NO.	34
SIZE	6 1/8
MFG.	See
TYPE	M88
JET 1/32nds	13 12 BL
SER. NO.	39100
DEPTH OUT	
DEPTH IN	6913
TOTAL FTG.	
TOTAL HRS. RUN	8¾
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	1000	1300	1500
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	13	11.5	11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		

DAY TOUR

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 SCHL'S PART'L'D COMP'TED
6934	7009	O			41	22	1750	5	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6996	10 5/8							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0830	½		Drlg
0830	0900	¼		Rig Service ¼ hr. Bop. check ¼ hr.
0900	1445	5¾		Drlg
1445	1530	¾		Survey
1530	1600	½		Drlg

DRILLER Clifford Johnson

DAY TOUR — 8 A.M. — 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 705 466	Clint Campbell	8
MTRMAN	614 961 789	Keith Drown	8
FIREMAN			
FLRMAN	603 143 915	Doug Burke	8
FLRMAN	609 [illegible] 916	Art Millett	8
FLRMAN	607 493 236	Daryl Morman	8
Welder	706 710 472	Jim Desjarlais	8

NO. OF DAYS 359 — SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57	FT.
1	Bit Sub	2.49	
	STB RMR OD		FT.
1	D.C. ID 4¾ OD	30.08	FT.
	STB RMR OD	4.51	FT.
18	D.C. ID 4¾ OD	520.34	FT.
	STB RMR OD		FT.
1	K.S.W.	6.84	
69	STANDS DP	6431.86	FT.
1	SINGLES DP	31.13	FT.
	KELLY DOWN	23.00	FT.
	TOTAL	7050.	FT.
	WT. OF STRING	108,000	LBS.

BIT RECORD

BIT NO.	34
SIZE	6 1/8
MFG.	Sec
TYPE	M88
JETS 1/32nds	13 12 B
SER. NO.	39100
DEPTH OUT	7050
DEPTH IN	6913
TOTAL FTG.	137
TOTAL HRS. RUN	12½
COND. 1/8's T/B/ GAGE	1 B 3 I
GPM/ PD-PSI	/

MUD RECORD

TIME	1700	2000	
WEIGHT	8.4	8.9	
PRESSURE GRADIENT			
VISC.-SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	11.5	11.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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 SCHL'S PART'L'D COMP'TED
7009	7050	D			41	22	1750	5	49			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7050	10							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1815	2¼		Drilling
1815	1830	¼		Rig Serv
1830	2000	1½		Drilling.
2000	2045	¾		Circ Bottom Hole sample
2045	2115	½		Drop Survey
2115	2400	2¾		Hoist to Log Strap out

DRILLER Paul Jaco

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jaco B	8
DRKMAN	613 284 467	Rick Belnik	8
MTRMAN	606 622 900	Hugh Quinn	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	600 703 045	John Baert	3¾
FLRMAN			

NO. OF DAYS 344 — SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex SHELL Red Dog	A-1		3-24-72
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Production LTD	Thomson Drlg		19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
	GR Bromley		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
2 1/2	13.3	E	4 1/2	IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

Unit K - Section 19

LEGAL LAND DESCRIPTION: Latitude 64°08'43"N Longitude 155°24'55"W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	Mann	24 K55	17	750		735
	7	KNN	26 K55	77	2910		2895

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	0

FT. CUT OFF: 0 — PRESENT LENGTH: 4570

TON MI. OR TRIPS SINCE LAST CUT: 674 T.M.

CUMULATIVE TON MI. OR TRIPS: 55 Trips 3335 T.M.

DRILLING CREW PAYROLL DATA

DATE 3-24-72

WELL NAME & NO. Amoco Candex SHELL Red Dog A-1

COMPANY Thomson Drlg.

TOOL PUSHER GR Bromley — RIG NO. 19

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	4	7 1/2	5 3/4
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	3 3/4		3/4
7. LUBRICATE RIG	1/4	1/4	1/4
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1 1/4
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1/4	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION: A. PERF'RTN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'NL			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO. D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	.57	FT.
1	Bit Sub	2.49	FT.
1	STB RMR OD		FT.
1	D.C. ID 4 1/4 OD	30.08	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4 1/4 OD	520.34	FT.
	STB RMR OD		FT.
1	Key S.W.	6.84	FT.
66	STANDS DP	6153.49	FT.
0	SINGLES DP		FT.
	KELLY DOWN	21	FT.
	TOTAL	6238.92	FT.
WT. OF STRING		110,000	LBS.

BIT RECORD

	0400	0600	0700
BIT NO.	32	33	
SIZE	6 1/8	6 1/8	
MFG.	Smith	Smith	
TYPE	555	555	
JETS 1/32"	12 12 B	12 12 B	
SER. NO.	GM391	JH349	
DEPTH OUT	6692		
DEPTH IN	6477	6692	
TOTAL FTG.	315	46	
TOTAL HRS. RUN	18 3/4	4	
COND. 1/8's T/B/ GAGE	5 B 6 I-2		
GPM/ PD-PSI			

MUD RECORD

	0400	0600	0700
TIME			
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	9.0	9.0	9.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dump + Clean No. 1. 2. S. Tank			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57	FT.
1	Bit Sub	2.49	FT.
	STB RMR OD		FT.
1	D.C. ID 4 3/4 OD	30.08	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4 3/4 OD	520.34	FT.
	STB RMR OD		FT.
1	Key S W	6.84	FT.
67	STANDS DP	6245.32	FT.
	SINGLES DP		FT.
	KELLY DOWN	33.85	FT.
	TOTAL	6584.00	FT.
WT. OF STRING		111,000	LBS.

BIT RECORD

	0900
BIT NO.	33
SIZE	6 1/8
MFG.	Smith
TYPE	555
JET 1/32"	12 12 B
SER. NO.	JH349
DEPTH OUT	
DEPTH IN	6692
TOTAL FTG.	152
TOTAL HRS. RUN	11 1/2
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

	0900
TIME	
WEIGHT	8.4
PRESSURE GRADIENT	437
VISC.-SEC.	
PV/YP	/
GELS.	/
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dejacon	200		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57	FT.
	Bit Sub	2.49	FT.
	STB RMR OD		FT.
1	D.C. ID 4 3/4 OD	30.09	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4 3/4 OD	520.34	FT.
	STB RMR OD		FT.
1	K.C.W.	6.84	FT.
67	STANDS DP	6245.42	FT.
2	SINGLES DP	62.37	FT.
	KELLY DOWN	44 OD	FT.
	TOTAL	6913.	FT.
WT. OF STRING		100.000	LBS.

BIT RECORD

	1700	1900	2100
BIT NO.	33		
SIZE	6 1/8		
MFG.	SMITH		
TYPE	555		
JETS 1/32"	12 12 B		
SER. NO.	JH349		
DEPTH OUT	6913		
DEPTH IN	6692		
TOTAL FTG.	221		
TOTAL HRS. RUN	17 1/4		
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/		

MUD RECORD

	1700	1900	2100
TIME			
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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-C
6692	6738	D			40	24	1650	5	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6690	9°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	1/4		Rig Ser.
0015	0130	1 1/4		STRAP OUT FOR bit.
0130	0400	2 1/2		RUN IN. break + service Stabilizer - Key. S.W.
0400	0800	4		DRLG.

Mud Tank 15 ft. K-s 13 ft.

BOARD 6696.66
S L M 6694.68
No. CORR. DIFF. 0001.98

DRILLER Fred Kaczynski

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

MORNING TOUR	12 P.M.	8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kaczynski	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	700 902 604	Maurice Miskosky	8
FLRMAN			

DAY TOUR

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 COMP-C
6738	6644	D			40	22	1650	5	48			5

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0900	1		DRLG
0900	0930	1/2		Ric service 15 min, BOP check 15 min
0930	1600	6 1/2		DRLG.

DRILLER

DAY TOUR	8 A.M.	4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Kelland A Johnson	8
DRKMAN	600 705 446	Clint Campbell	8
MTRMAN	616 961 789	Keith Drum	8
FIREMAN			
FLRMAN	603 143 915	Doug Burke	8
FLRMAN	609 774 546	Art Mellett	8
FLRMAN	607 493 236	Daryl Morman	
Welder	706 710 472	John Desjarlais	8

NO. OF DAYS 358 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

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 COMP-C
6844	6913	D			40	22	1700	5	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6870	10							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	1/4		Drilling
1615	1630	1/4		Rig Serv.
1630	1845	2 1/4		Drilling
1845	1930	3/4		Survey
1930	2345	3 1/4		Drilling.
2345	2315	1/2		Drop Survey
2315	2400	3/4		Hoist F. N. B.

DRILLER Paul Jacob

EVENING TOUR	P.M.	A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Raph Jacob	8
DRKMAN	618 334 467	Rick Delair	8
MTRMAN	606 622 900	Hugh Quinn	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	600 703 015	John Baert	8
FLRMAN			

NO. OF DAYS 343 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex SHELL Red Dog	A-1		3-23-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Pet. LTD.	Thomson DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K A Howe

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: GR Brumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½	13.3	E	4½	IF	2	1	Emsco	D500	16
						2	National	C250	15

LEGAL LAND DESCRIPTION: Latitude 61°08'45"N Long 135°34'55"W

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8 5/8	MHNN	24 K55	17	756		735'
7	KRN	26 K55	77	2910		2895'

WIRE LINE RECORD — REEL NO.

SIZE 1 1/8 — NO. LINES 8 — FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH 45.70

TON MI. OR TRIPS SINCE LAST CUT: 568 TM

CUMULATIVE TON MI. OR TRIPS: 2229 TM - 54 Trips

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	7½	5¾
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	1¾		1½
7. LUBRICATE RIG	1/4	¼	1/4
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		¼	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	9	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO. D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS PROGRESS

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.57 FT.
1	Bit Sub		2.49
	STB RMR OD		FT.
1	D.C. ID 4 3/4 OD	30.08	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4 3/4 OD	520.34	FT.
	STB RMR OD		FT.
1	Key S.W.	6.84	
63	STANDS DP	5873.75	FT.
2	SINGLES DP	62.46	FT.
	KELLY DOWN	32	FT.
	TOTAL	6534.	FT.

WT. OF STRING 103.000 LBS.

BIT RECORD

BIT NO.	32
SIZE	6 1/8
MFG.	Smith
TYPE	SS5
JETS 1/32"	12 12 B
SER. NO.	GM391
DEPTH OUT	
DEPTH IN	6477
TOTAL FTG.	57
TOTAL HRS. RUN	6
COND. 1/8"s T/B. CAGE	/
GPM/ PD—PSI	/ /

MUD RECORD

TIME	0200	0400	0700
WEIGHT	9.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.—SEC.	28	29	29
PV/YP	/	/	/
GELS.	/	/	/
WL —CC'S.			
pH	11.5	11.5	11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dump + Clean No. 2 Tank			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57	FT.
1	Bit Sub	2.49	
	STB RMR OD		FT.
1	D.C. ID 4 3/4 OD	30.08	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4 3/4 OD	520.34	FT.
	STB RMR OD		FT.
1	Key S.W.	6.84	
64	STANDS DP	5867.27	FT.
2	SINGLES DP	61.40	FT.
	KELLY DOWN	30.50	FT.
	TOTAL	6624.00	FT.

WT. OF STRING 104.00 LBS.

BIT RECORD

BIT NO.	32
SIZE	6 1/8
MFG.	Smith
TYPE	SS5
JET 1/32"	12 12 B
SER. NO.	GM391
DEPTH OUT	
DEPTH IN	6477
TOTAL FTG.	147
TOTAL HRS. RUN	13½
COND. 1/8"s T/B' GAGE	
GPM/ PD—PSI	

MUD RECORD

TIME	10.00	1300	1500
WEIGHT	9.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.—SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL —CC'S.			
pH	11.0	11.00	11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57	FT.
1	Bit Sub	2.49	
	STB RMR OD		FT.
1	D.C. ID 4 3/4 OD	30.08	FT.
1	STB RMR OD	4.51	FT.
18	D.C. ID 4 3/4 OD	520.34	FT.
	STB RMR OD		FT.
1	Key S.W.	6.84	
64	STANDS DP	6100.71	FT.
1	SINGLES DP	31.14	FT.
	KELLY DOWN	39.00	FT.
	TOTAL	6692.	FT.

WT. OF STRING 104.000 LBS.

BIT RECORD

BIT NO.	32
SIZE	6 1/8
MFG.	Smith
TYPE	SS5
JETS 1/32"	12 12 B
SER. NO.	GM391
DEPTH OUT	6692
DEPTH IN	6477
TOTAL FTG.	215
TOTAL HRS. RUN	19¼
COND. 1/8"s T/B' GAGE	1/4
GPM/ PD—PSI	

MUD RECORD

TIME	1700	1900	
WEIGHT	8.4	8.4	
PRESSURE GRADIENT	437	437	
VISC.—SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
WL —CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR—D RM—R CORE—C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000's	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SOL. PUMP—S PAR—P CORE—C DIR. DEV.
6477	6534	D			40	22	1600	5	48			

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	1/4		Rig Ser.
0015	0200	1¾		Trip in w/ new bit
0200	0800	6		DRLG

Res Tank 13 ft

Main Tank 16 ft

DRILLER Fred. Kostyanik

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FOOTAGE / FORMATION

FROM	TO	DR—D RM—R CORE—C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000's	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. PUMP—S PAR—P CORE—C DIR. DEV.
6534	6624	D			40	22	1650	5	48			5

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0	30	1/2		Rig Service 15 min. B.O.P check 15 min
	1600	7½		Drlg

DRILLER Paul Jacob Johnson

FOOTAGE / FORMATION

FROM	TO	DR—D RM—R CORE—C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000's	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. PUMP—S PAR—P CORE—C DIR. DEV.
6624	6692	D			40	22	1700	5	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6690								

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾		Drilling
1645	1700	1/4		Rig Serv.
1700	2200	5		Drilling.
2200	2230	½		Drop Survey
2230	2400	1½		Hoist Strap out

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 3-23-72

WELL NAME & NO. Amoco Candex SHELL Red Dog A-1

COMPANY Thomson DRLG

TOOL PUSHER GR Brumley RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 702 498	Fred. Kostyanik	8
DRKMAN	601 139 276	Phil Galinas	8
MTRMAN	608 452 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	700 902 604	Maurice Miskosky	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 999 760	Paul Jacob Johnson	8
DRKMAN	600 705 189	Kent Campbell	8
MTRMAN	616 961 189	Keith Orom	8
FIREMAN			
FLRMAN	603 143 915	Doug Burke	8
FLRMAN	609 774 546	Art Mallett	8
FLRMAN	602 493 736	Daryl Norman	
Welder	706 710 472	Jim Dasjarlais	8

Welders time 1 hr charge to Kaps

NO. OF DAYS 357 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	8
DRKMAN	608 264 467	Dick Belmir	8
MTRMAN	606 672 900	Huan Quinn	8
FIREMAN			
FLRMAN	603 779 636	Carl Schiller	8
FLRMAN	600 703 045	John Boert	8
FLRMAN			

NO. OF DAYS 34½ SINCE LAST LOST TIME ACCIDENT

FORM 375 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex SHELL Red Dog	A-1		3-22-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada PAD	Thomson DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

O.D. SIZE	WT./FT.	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION Latitude 64°08'43"N Longitude 125°34'55"W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	Mann	24 K55	17	750		735
	7	KNN	26 K55	77	2910		2895

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7	6¾	4½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			3
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¾	¾	½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		¼	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	4	8

COMPLETION

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMM. TYPE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT		.57	FT.
1	Biz Sub		2.19	
	STB RMR	OD		FT.
1	D.C. ID	OD 4¾	30.08	FT.
1	STB RMR	OD	4.51	FT.
18	D.C. ID 4¾	OD	520.34	FT.
	STB RMR	OD		FT.
1	Key S.W		6.84	
61	STANDS DP		5687.53	FT.
2	SINGLES	DP	61.79	FT.
	KELLY DOWN		39.00	FT.
	TOTAL		6353	FT.
	WT. OF STRING		100.000	LBS.

BIT RECORD

BIT NO.	31
SIZE	6 1/8
MFG.	Smith
TYPE	555
JETS 1/32"	13 12 B
SER. NO.	GM389
DEPTH OUT	
DEPTH IN	6193
TOTAL FTG.	160
TOTAL HRS. RUN	15¼
COND. 1/8's T/B. GAGE	K U J
GPM/ PD–PSI	

MUD RECORD

TIME	0300	0500	0700
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT	437	437	437
VISC.–SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	/	/	/
pH	9.0	9.0	11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50#		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		57	FT.
1			2.49	
	STB RMR	OD		FT.
1	D.C. ID	OD	30.08	FT.
1	STB RMR	OD	4.51	FT.
18	D.C. ID	OD	520.34	FT.
	STB RMR	OD		FT.
1	Key S.W.		6.84	
62	STANDS DP		5780.46	FT.
2	SINGLES	DP	62.00	FT.
	KELLY DOWN		26.61	FT.
	TOTAL		6434.00	FT.
	WT. OF STRING		102,000	LBS.

BIT RECORD

BIT NO.	31
SIZE	6 1/8
MFG.	Smith
TYPE	555
JETS 1/32"	13 12 B
SER. NO.	GM389
DEPTH OUT	6434
DEPTH IN	6193
TOTAL FTG.	241
TOTAL HRS. RUN	22
COND. 1/8's T/B. GAGE	B 16 J
GPM/ PD–PSI	

MUD RECORD

TIME	0900	1400	1300
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT	437	437	437
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	/	/	/
pH	10.5	10.5	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	N.C.		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		.57	FT.
1	B. Sub		2.49	
	STB RMR	OD		FT.
1	D.C. ID	OD 4¾	30.08	FT.
1	STB RMR	OD	4.51	FT.
18	D.C. ID	OD 4¾	520.34	FT.
	STB RMR	OD		FT.
1	Key S.W.		6.84	
61	STANDS DP		5373.18	FT.
	SINGLES	DP	—	FT.
	KELLY DOWN		39.00	FT.
	TOTAL		6477.	FT.
	WT. OF STRING		103,000	LBS.

BIT RECORD

BIT NO.	31	32
SIZE	6 1/8	6 1/8
MFG.	Smith	Smith
TYPE	555	555
JETS 1/32"	13 12 B	12 12 B
SER. NO.	GM389	GM391
DEPTH OUT	6477	
DEPTH IN	6193	
TOTAL FTG.	284	
TOTAL HRS. RUN	26¼	
COND. 1/8's T/B. GAGE	1 8 1	
GPM/ PD–PSI		

MUD RECORD

TIME	1700	1900
WEIGHT	8.4	8.4
PRESSURE GRADIENT	437	437
VISC.–SEC.	28	28
PV/YP	/	/
GELS.	/	/
WL –CC'S.		
pH	11.0	
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 PAR–P COM–DCK
6275'	6353	D			42	22	1600	5	50			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6311	8°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0115	1¼		DRLG 22M Main Bank 13½. Res. Bank 13½
0115	0130	¼		Rig Ser.
0130	0415	2¾		DRLG 22M 1600 Pump Pressure
0415	0500	¾		Survey
0500	0800	3		DRLG 22M 1600 Pump Pressure

DRILLER J Kostynuk

DAY TOUR

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 SCL–S PAR–P COM–DCK
6353	6386	0			40	22	1600	5	50			S
6386	6434				42	22	1650	5	52			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6407	8°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		R.C. Service. 15 min. B.O.P. check 15 min.
0830	1345	5¼		Drlg.
1345	1430	¾		Survey
1430	1600	1½		Drlg

DRILLER Cliff Johnson

EVENING TOUR

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 SCL–S PAR–P COM–DCK
~~6353~~												
6434	6477	D			42	22	1700	5	51			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6475	8°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		Drilling.
1700	1715	¼		Rig Serv.
1715	2030	3¼		Drilling.
2030	2100	½		Drop Survey
2100	2315	2¼		Hoist for new Bit. ✓ Blind Rams
2315	2400	¾		Run in

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 3-22-72

WELL NAME & NO. Amoco Candex SHELL Red Dog A-1

COMPANY Thomson DRLG

TOOL PUSHER ~~H.R. Bowman~~ RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	700 902 604	Maurice Muskosky	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Cliff Johnson	8
DRKMAN	600 705 466	Clint Campbell	8
MTRMAN	618 961 189	Keith Drown	8
FIREMAN			
FLRMAN	603 143 915	Doug Burke	8
FLRMAN	609 774 546	Art Mellott	8
FLRMAN	607 493 736	Daryl Norman	8
Welder	706 710 472	Jim Desjarlais	8

NO. OF DAYS 356 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	8
DRKMAN	618 284 467	Rick Belair	8
MTRMAN	606 622 900	Hugh Quinn	8
FIREMAN			
FLRMAN	613 779 636	Chas Schiller	8
FLRMAN	600 703 045	John Brett	8
FLRMAN			

NO. OF DAYS 341 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

A.A.O.D.C. APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANDEX SHELL RED DOG	A-1		3/21/72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	THOMSON DRLG.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G.R. Crumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT. I.D.	TYPE THREAD	STRING NO.
3½	13.3	E	2¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO. — SIZE 1/16 — NO. LINES 8 — FT. SLIPPED 30 — FT. CUT OFF 0 — PRESENT LENGTH 4570 — TON MI. OR TRIPS SINCE LAST CUT 372 — CUMULATIVE TON MI. OR TRIPS 2033

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝	MANN	24 K55	17	750		735
	7	KAWI	26 K55	77	2910		2895

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7¾	3¼	7¾
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		4½	
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			14
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			1
22.			
23.			

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.	8	8	8
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8	8	8

NO. OF DAYS FROM SPUD — CUMULATIVE / ROTATING HRS. 1185 — TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57 FT.	
	BITSUB	2.49 FT.	
	STB RMR OD	FT.	
1	D.C. ID OD	30.08 FT.	
1	STB RMR OD	4.51 FT.	
18	D.C. ID OD	520.34 FT.	
	STB RMR OD	FT.	
	KELLY	6.84	
60	STANDS DP	5594.07 FT.	
	SINGLES DP	FT.	
	KELLY DOWN	16.10 FT.	
	TOTAL	6175.00 FT.	
	WT. OF STRING	96,000 LBS.	

BIT RECORD

BIT NO.	30
SIZE	6⅛
MFG.	HW
TYPE	RG1J
JETS 1/32"	12 12 BLK
SER. NO.	FE149
DEPTH OUT	6175
DEPTH IN	6061
TOTAL FTG.	114
TOTAL HRS. RUN	15
COND. 1/8's T/B' GAGE	RUN
GPM/ PD-PSI	

MUD RECORD

TIME	2400	0400	0600
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	6-8	11.5	11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		

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. PAR'L'P CONT'NC
6110	6175	D			40	24	1550	5½	48			

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0245	2¾	2	DRIG.
0245	0300	¼	7	RIG SER.
0300	0800	5	2	DRLG.

DRILLER Allen Thomas

DRILLING CREW PAYROLL DATA

DATE MAR-21-72

WELL NAME & NO. AMOCO CANDEX SHELL RED DOG A-1

COMPANY THOMSON DRLG.

TOOL PUSHER G.R. Crumley — RIG NO. 19

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610:398:968	ALLEN THOMAS	8
DRKMAN	615:108:305	KEN STEWERSON	8
MTRMAN	610:463:234	WM. BROZNY	8
FIREMAN			
FLRMAN	603:110:305	EARL DOCHERTY	8
FLRMAN	617:321:362	TOM LAGORE	8
FLRMAN			

NO. OF DAYS 316 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT Sub	2.49 FT.	
	STB RMR OD	FT.	
1	D.C. ID OD	30.08 FT.	
1	STB RMR OD	4.51 FT.	
18	D.C. ID OD	520.34 FT.	
	STB RMR OD	FT.	
1	Keyswer	6.84	
60	STANDS DP	5594.07 FT.	
1	SINGLES DP	31.16 FT.	
	KELLY DOWN	10 FT.	
	TOTAL	6200 FT.	
	WT. OF STRING	98,000 LBS.	

BIT RECORD

BIT NO.	30	31
SIZE	6⅛	6⅛
MFG.	HW	Smith
TYPE	RG1J	555
JETS 1/32"	12 12 BLK	13 12 BLK
SER. NO.	FE149	GM389
DEPTH OUT	6193	
DEPTH IN	6061	6193
TOTAL FTG.	133	7
TOTAL HRS. RUN	17¼	1
COND. 1/8's T/B' GAGE	5B 5 1	
GPM/ PD-PSI		

MUD RECORD

TIME	0900	1000	1300
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	11.0	11.0	11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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. PAR'L'P CONT'NC
6175	6193	D			40	24	1530	5½	48			
6193	6200				40	24	—	5	50			

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1015	2¼		DRLG 24000 on bit
1015	1230	2¼		TRIP OUT FOR bit
1230	1300	½		Rig Ser. ½ ✓ B.O.P's ¼
1300	1500	2		Run in hole
1500	1600	1		DRLG

DRILLER G.R. Crumley

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600:704:198	Fred Kostynuk	8
DRKMAN	601:439:276	Phil Gelinas	8
MTRMAN	608:432:258	Gary Bowman	8
FIREMAN			
FLRMAN	615:331:774	Robin Brooke	8
FLRMAN	700:902:604	Maurice Muskosky	8
FLRMAN	607:493:236	Beryl Norman	8
Welder	706:710:472	Jim Desjarlais	8

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.57 FT.	
1	SUB	2.49	
	STB RMR OD	FT.	
1	D.C. ID 4¾ OD	30.08 FT.	
1	STB RMR OD	4.51 FT.	
18	D.C. ID 4¾ OD	520.34 FT.	
	STB RMR OD	FT.	
1	Keyswiver	6.84	
61	STANDS DP	5681.53 FT.	
	SINGLES DP	FT.	
	KELLY DOWN	22.64 FT.	
	TOTAL	6775.00 FT.	
	WT. OF STRING	99,000 LBS.	

BIT RECORD

BIT NO.	31
SIZE	6⅛
MFG.	Smith
TYPE	S55
JETS 1/32"	12 12 BLK
SER. NO.	G389
DEPTH OUT	
DEPTH IN	6193
TOTAL FTG.	82
TOTAL HRS. RUN	8¼
COND. 1/8's T/B' GAGE	DRLG
GPM/ PD-PSI	

MUD RECORD

TIME	5PM	8PM	11PM
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		

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. PAR'L'P CONT'NC
6200	6270	0			40	24	1550	5	50			5
6270	6275	0			42	22	1600	5	50			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6221	8							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1845	2¾		Drlg
1845	1900	¼		Rig Service
1900	1930	½		Survey
1930	2400	4½		Drlg.

DRILLER Redford Johnson

EVENING TOUR — 4:00 P.M. — 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Redford Johnson	8
DRKMAN		Clint Campbell	8
MTRMAN		Keith Brown	8
FIREMAN			
FLRMAN		Doug Bourke	8
FLRMAN		Art Mallett	8
FLRMAN			

NO. OF DAYS 355 — SINCE LAST LOST TIME ACCIDENT

Form 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canadex Shell Reddog	A-1		3/20/72
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Canada Pet. Ltd.	Thomson Drlg.		19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
	B.R. Brumley		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. NO.	SET AT
LAST CASING TUBING OR LINER	8⅝	Mann	24 K55	17	750		735
	7	KNAI	26 K55	77	2940		2895

SIZE 5/16 — NO. LINES 5 — FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH 4600

TON MI. OR TRIPS SINCE LAST CUT 283

CUMULATIVE TON MI. OR TRIPS 1943

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	3½	9¾	7
3	REAMING	1		
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	2½	4½	
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE		¾	
10	DEVIATION SURVEY	¼		¾
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TEST'NG			
	F. ADDIT'NL			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	8	8	8
HRS. W/OPR. D.P.			
HRS. NO D.P.			
HRS. STANDBY			

TOTAL DAY WORK COST — 8 8

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		-57 FT.
	BIT SUB		2.49 FT.
	STB RMR	OD	FT.
1	D.C. ID	OD	30.08 FT.
	STB RMR	OD	4.51 FT.
18	D.C. ID	OD	520.34 FT.
	STB RMR	OD	FT.
1	K.S. WIPER		6.84 FT.
58	STANDS DP		5407.14 FT.
1	SINGLES DP		31.33 FT.
	KELLY DOWN		37.30 FT.
	TOTAL		6041.00 FT.
WT. OF STRING			95,000 LBS.

BIT RECORD

BIT NO.	28	29
SIZE	6⅛	6⅛
MFG.	SEC	SMITH
TYPE	588	885
JETS 1 32nds	12 12 BLK	10 10 10
SER. NO.	374278	JH358
DEPTH OUT	5991	6041
DEPTH IN	5686	5991
TOTAL FTG.	305	50
TOTAL HRS. RUN	19¾	3¾
COND. 1/8's T.B. GAGE		
GPM/ PD-PSI	/	/

MUD RECORD

TIME	0400	0600	0700	
WEIGHT	8.4	8.4	8.4	
PRESSURE GRADIENT	437	437	437	
VISC.-SEC.	28	28	28	
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH	8.0	11.5	11.5	
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	SUBS.		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.57 FT.
1	Sub		2.49 FT.
	STB RMR	OD	FT.
1	D.C. ID 4¾	OD	30.08 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID 4¾	OD	520.34 FT.
	STB RMR	OD	6.84 FT.
58	STANDS DP		5407.14 FT.
2	SINGLES DP		62.84 FT.
	KELLY DOWN		29.00 FT.
	TOTAL		6063 FT.
WT. OF STRING			94,000 LBS.

BIT RECORD

BIT NO.	29	30
SIZE	6⅛	6⅛
MFG.	Smith	HW
TYPE	555	RGIJ
JET 1/32nds	10 10 10	12 12 8
SER. NO.	JH351	FE149
DEPTH OUT	6061	
DEPTH IN	5991	6061
TOTAL FTG.	70	2
TOTAL HRS. RUN	6¼	1¼
COND. 1/8's T.B. GAGE	7 6 I	
GPM/ PD-PSI	/	/

MUD RECORD

TIME	0800	1000		
WEIGHT	8.4	8.4		
PRESSURE GRADIENT	437	437		
VISC.-SEC.	28	28		
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH	9.5	9.5		
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		.57 FT.
1	BIT SUB		2.49 FT.
	STB RMR	OD	FT.
1	D.C. ID 4¾	OD	30.08 FT.
	STB RMR	OD	4.51 FT.
18	D.C. ID 4¾	OD	520.34 FT.
	STB RMR	OD	6.84 FT.
59	STANDS DP		5597.97 FT.
1	SINGLES DP		30.31 FT.
	KELLY DOWN		13.63 FT.
	TOTAL		6110.00 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	30
SIZE	6⅛
MFG.	HW
TYPE	RGIJ
JETS 1/32nds	12 12 8
SER. NO.	FE149
DEPTH OUT	
DEPTH IN	6061
TOTAL FTG.	49
TOTAL HRS. RUN	7¼
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	5:00	7:00	
WEIGHT	9.4	8.4	
PRESSURE GRADIENT			
VISC.-SEC.	/		
PV/YP	/	/	
GELS	/	/	
WL -CC'S			
pH	9.0	9.0	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 SURV'S PART'L OR CONTIN'S
5991	6041				50	25	1625	7¾x16	49			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6002	11⅛	No Meinel						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0030	½	6	FINISH OUT — 2' FUEL in #1 TANK, 23' FUEL in RESERVE.
0030	0045	¼	7	SER. RIG + ✓ BLIND RAMS + ✓ MOTOR SHUT OFFS
0045	0245	2	6	RUN IN
0245	345	1	3	BRK CIRC. + REAM 30' TO PROTECT AGAINST UNDERGAUGE HOLE.
345	500	1¼	2	DRLG. 1st m on B.T
500	530	½	10	SURVEY
530	800	2½	2	DRG Held Safety Meeting + Blowout Drill.

DRILLER Al Thomas

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 SURV'S PART'L OR CONTIN'S
6041	6063	DR			50	25	1850	5"				
					38	14	1550	5"				

DEVIATION RECORD

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

DAY TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0815	¼		Rig Ser.
0815	0830	¼		✓ B.O.P's
0830	1100	2½		DRLG 25 M on bit
1100	1300	2		TRIP OUT for bit
1300	1345	¾		Slip line ✓ blind rams + motor shut off
1345	1545	2		Run in clean to bottom
1545	1600	¼		Drlg

DRILLER Fred Johnson

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 SURV'S PART'L OR CONTIN'S
6063	6110	D			38	24	1550	5	45			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6096	10⅛							

EVENING TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1715	1¼		Drlg
1715	1730	¼		Rig Service
1730	2245	5¼		Drlg
2245	2330	¾		Survey
2330	2400	½		Drlg

DRILLER Fred Johnson

DRILLING CREW PAYROLL DATA

DATE MAR. 20/72

WELL NAME & NO. Amoco Canadex Shell Red Dog A-1

COMPANY Thomson Drlg.

TOOL PUSHER B.R. Brumley — RIG NO. 19

MORNING TOUR 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 988	Allen Thomas	8
DRKMAN	615 108 305	Ken Stenerson	8
MTRMAN	610 463 234	Wm. Brezny	8
FIREMAN			
FLRMAN	603 110 305	Earl Docherty	8
FLRMAN	617 371 562	Tom Lagore	8
FLRMAN			

NO. OF DAYS 315 SINCE LAST LOST TIME ACCIDENT

DAY TOUR A.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 376	Phil Gelinas	8
MTRMAN	608 462 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robert Brooks	8
FLRMAN	700 902 604	Maurice Muskosky	8
FLRMAN	607 483 236	Beryl Norman	8
Welder	706 710 472	Jim Desjarlais	8
		Welders time	
		3 hrs	
		charge to Kaps	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 705 466	Vince Campbell	8
MTRMAN	614 961 169	Keith Orion	8
FIREMAN			
FLRMAN	603 143 915	Doug Burke	8
FLRMAN	609 774 546	Art Mellott	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco CANDEX SHELL RED DOG	A-1		3/19/72

OPERATOR	CONTRACTOR	RIG NO.
Amoco CANADA PTR. CO.	THOMSON DRLG.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: GR Bromley

D.P. SIZE	WT./FT.	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO. — SIZE 1½ — NO. LINES 8 — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH 4600 — TON MI. OR TRIPS SINCE LAST CUT 194 — CUMULATIVE TON MI. OR TRIPS 1854

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝	MANN	24 K55	17	850		735
	7	KNN	26 K55	77	2910		2895

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	6¼	6¾	5½
3	REAMING			
4	CORING			
5	~~CONDITION~~ & CIRCULATE			V½
6	TRIPS			1½
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	1½	¾	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	~~NIPPLE~~ UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'NL; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY

TOTAL DAY WORK
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT
CUMM. ABOVE ROTA DRLNG.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		57 FT.
	BIT SUB		2.49
	STB RMR	OD	FT.
1	D.C. ID 2¼	4¾ OD	30.08 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID	4¾ OD	520.34 FT.
	STB RMR	OD	FT.
1	K.S. WPR.		6.84
56	STANDS DP		5219.41 FT.
0	SINGLES DP		FT.
	KELLY DOWN		21.76 FT.
	TOTAL		5806.00 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	28
SIZE	6⅛
MFG.	SEC.
TYPE	S88
JETS 1 32nds	12 12 BLK
SER. NO.	374278
DEPTH OUT	5806
DEPTH IN	5686
TOTAL FTG.	120
TOTAL HRS. RUN	7½
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	2400	0300	0600
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10.0	9.5	11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50lb.		

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.57 FT.
	Bit Sub.		2.49
	STB RMR	OD	FT.
1	D.C. ID	4¾ OD	30.08 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID	4¾ OD	520.34 FT.
	STB RMR	OD	FT.
1	Key S.W.		6.84
57	STANDS DP		5312.92 FT.
	SINGLES DP		FT.
	KELLY DOWN		39 FT.
	TOTAL		5916 FT.
WT. OF STRING			92.000 LBS.

BIT RECORD

BIT NO.	28
SIZE	6⅛
MFG.	Sec
TYPE	S88
JET 1/32nds	12 12 B
SER. NO.	374278
DEPTH OUT	
DEPTH IN	5686
TOTAL FTG.	239
TOTAL HRS. RUN	14¼
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	0800	1200	2200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

Dump & Clean Shaker Tank

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		.57 FT.
			2.49
	STB RMR	OD	FT.
1	D.C. ID	OD	30.08 FT.
1	STB RMR	OD	4.51 FT.
18	D.C. ID	4¾ OD	520.34 FT.
	STB RMR	OD	FT.
1	K.S.W.		6.84
58	STANDS DP		5458.05 FT.
	SINGLES DP		FT.
	KELLY DOWN		18.13 FT.
	TOTAL		5991.00 FT.
WT. OF STRING			92000 LBS.

BIT RECORD

BIT NO.	28
SIZE	6¼
MFG.	Sec
TYPE	S88
JETS 1/32nds	12 12 B
SER. NO.	374278
DEPTH OUT	
DEPTH IN	5686
TOTAL FTG.	305
TOTAL HRS. RUN	19¾
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	1600	1800	2000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
NIL			

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR'D RM'R CORE'D	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 SOC. SEC. PART'P CONTR.
5701	5796	0			50	25	1550	5X16	44			
5796	5806	0			50	24	1550	5X16	44			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5722	12½	NO MONEL	5784	11½				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼	7	RIG SER.
0015	0200	1¾	2	DRLG. 25m on bit 50 RPM.
0200	0245	¾	10	SURVEY @ 5722
0245	0645	4	2	DRLG. 25m on bit
0645	0730	¾	10	SURVEY @ 5784
0730	0800	½	2	DRLG. 24m on bit

10.6' FUEL #1
23' FUEL #2

DRILLER Allen Thomas

FOOTAGE / FORMATION

FROM	TO	DR'D RM'R CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SOC. SEC. PART'P CONTR.
5806	5916	D			50	24	1500	5	44			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5844	13½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0915	1¼		Rdrg. w/ 24 M on b.i.
0915	0945	½		R.g ser'd ✓ B.O.P's ✓ H.P.
0945	1130	1¾		DRLG w/ 24 M on b.i.
1130	1215	¾		SURVEY
1215	1600	3¾		DRLG 24 M on b.i.

Held safety meeting

DRILLER Fred Kostynuk

FOOTAGE / FORMATION

FROM	TO	DR'D RM'R CORE'D	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 SOC. SEC. PART'P CONTR.
5916	5991	D			50	24	1550	5X16	45			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5941.0	10½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1606	1615	¼		Rig Service Held Safety Meeting
1615	1645	½		Survey + Blow Out Drill
1645	2215	5½		Drlg.
2215	2230	¼		Circ.
2230	2245	1½		Tripping

DRILLER

DRILLING CREW PAYROLL DATA

DATE MAR. 19/72
WELL NAME & NO. Amoco CANDEX SHELL RED DOG A-1
COMPANY THOMSON DRLG.
TOOL PUSHER GR Bromley RIG NO. 19

MORNING TOUR 1200 P.M. 800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN	615 108 305	KEN STENERSON	8
MTRMAN	610 463 234	Wm. BROZNY	8
FIREMAN			
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN	617 371 562	TOM LAGURE	8
FLRMAN			

NO. OF DAYS 114 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	8
DRKMAN	601 459 276	Phil Molinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 231 774	Robin Brooks	8
FLRMAN	700 902 604	Maurice Miskosky	8
FLRMAN	607 423 236	Beryl Norman	8
Welder	706 710 472	Jack Bisgaisis	8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	8
DRKMAN		Clint Campbell	8
MTRMAN		Keith Snow	8
FIREMAN			
FLRMAN		Doug Burke	8
FLRMAN		Art Mellott	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

Form 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1, 71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANADA EX SHELL REDDOG	A-1		3/18/72
OPERATOR	**CONTRACTOR**		**RIG NO.**
AMOCO CANADA LTD	THOMSON DRLG.		19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		

D.P. SIZE	WT./FT.	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4⅜	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

SIZE 1⅛ — NO. LINES 5 — FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH 4600

TON MI. OR TRIPS SINCE LAST CUT 111

CUMULATIVE TON MI. OR TRIPS 1771

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8 5/8	MANN	24 K55	17	750		735
7	KNN	26 K55	77	2910		2895

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6½	4¼	1¼
3. REAMING			
4. CORING			
5. ~~CONDITION~~ & CIRCULATE		1½	
6. TRIPS		½	5½
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1¼	½	¾
11. WIRE LINE LOGS			S
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			¼
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.	24	8	8
HRS. WO/D.P.			
HRS. STANDBY			
			8

NO. OF DAYS FROM SPUD: 5 — CUMULATIVE ROTATING HRS.: 85 — TOTAL MUD COST: [illegible]

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		57	FT.
	STB RMR	OD		FT.
1	D.C. ID	4⅔ OD	28.46	FT.
1	STB RMR	OD	4.51	FT.
19	D.C. ID	4⅔ OD	550.42	FT.
	STB RMR	OD		FT.
1	KSWAR.		6.84	
54	STANDS DP		5034.28	FT.
	SINGLES DP			FT.
	KELLY DOWN		12.92	FT.
	TOTAL		5638.00	FT.
	WT. OF STRING		91000	LBS.

BIT RECORD

BIT NO.	27 RR
SIZE	6⅛
MFG.	SEC.
TYPE	S88
JETS 1 32"	12 12 BLK
SER. NO.	374475
DEPTH OUT	5638
DEPTH IN	5290
TOTAL FTG.	348
TOTAL HRS. RUN	~~33 3/4~~ 34
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	2400	0200	0400
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	25	28	28
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.	/	/	/
pH	6.8	11.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50lb.		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		.57	FT.
	STB RMR	OD		FT.
1	D.C. ID	4⅔ OD	28.46	FT.
1	STB RMR	OD	4.51	FT.
19	D.C. ID	4⅔ OD	550.42	FT.
	STB RMR	OD		FT.
1	Key S.W.		6.84	
54	STANDS DP		5033.28	FT.
1	SINGLES DP		31.34	FT.
	KELLY DOWN		21.00	FT.
	TOTAL		5686	FT.
	WT. OF STRING		91,000	LBS.

BIT RECORD

BIT NO.	27 RR
SIZE	6⅛
MFG.	SEC.
TYPE	S-88
JET 1/32"	12 12 B
SER. NO.	374475
DEPTH OUT	5686
DEPTH IN	5290
TOTAL FTG.	396
TOTAL HRS. RUN	40¼
COND. 1/8's T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0800	1200	2000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.	/	/	/
pH	7.0	7.0	7.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		57	FT.
1	D.C.		30.08	
1	STB RMR	OD	4.51	FT.
18	D.C. ID	OD	520.34	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
1	K-M-S W.		6.90	
54	STANDS DP		5036.23	FT.
2	SINGLES DP		42.80	FT.
	KELLY DOWN		40.37	FT.
	TOTAL		5701.00	FT.
	WT. OF STRING		92,000	LBS.

BIT RECORD

BIT NO.	27RR.	29
SIZE	6⅛	6⅛
MFG.	Sec	Sec
TYPE	S88	S88
JETS 1/32"	12 12 B	12 12 B
SER. NO.	374475	374276
DEPTH OUT	5686	
DEPTH IN	5290	5686
TOTAL FTG.	396	15
TOTAL HRS. RUN	40¼	1¼
COND. 1/8's T/B' GAGE	2 4 I	
GPM/ PD-PSI		

MUD RECORD

TIME		10
WEIGHT		9.4
PRESSURE GRADIENT		
VISC.-SEC.		
PV/YP	/	/
GELS	/	/
WL -CC'S.		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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.RL.-P COM.SC.-C
5577	5602	D			50	18	1400	5x16	47			
5602	5638	D			50	15	1400	5x16	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5592	14½°	NO MONEE	5624	14½	NO MONEE			

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0215	2¼	2	DRLG. 18M# 12' Fuel #1
0215	0300	¾	7+10	SURVEY (2) + RIG SER. (4) 23' Fuel #2
0300	0645	3¾	2	DRLG. 15 M#
0645	0790	¾	10	SURVEY.
0790	0800	1/2	2	Drilling 15 M#

DRILLER Allen Thomas

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.RL.-P COM.SC.-C
5638	5686	D			50	15	1400	5	47	-		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5655	13½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3		DRLG. 15 M ON bit
1100	1115	¼		Rig Ser. ¼ ~~Survey~~ ✓ B.O.P's
1115	1145	½		SURVEY
1145	1500	3¼		DRLG 12 M ON bit
1500	1530	½		Circ. Sample 5686.
1530	1600	½		TRIP

DRILLER Fred Kostynuk

EVENING TOUR

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.RL.-P COM.SC.-C
5686	5701	D	D		50	25	1550	5"				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5690	13°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1915	3¼		Pull out, check all D.C.s. + Subs Bit & Monel.
1915	1930	¼		Lay down Bottom hole collar, check Blind Rams
1930	1945	¼		Rig Service
1945	2200	2¼		Run in to fill
2200	2315	1¼		Drlg
2315	2400	¾		Survey

DRILLER Clifford Johnson

DRILLING CREW PAYROLL DATA

DATE MAR. 18/72

WELL NAME & NO. AMOC CANOE X SHELL REDDOG A-1

COMPANY THOMSON DRLG.

TOOL PUSHER Geo Donnelly RIG NO. 19

MORNING TOUR 1200 P.M. 800 A.M. 1

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN	615 108 305	KEN STEVENSON	8
MTRMAN	610 463 234	WM. BROZNA	8
FIREMAN			
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN	617 371 562	TOM LAGORE	8
FLRMAN			

NO. OF DAYS 313 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	700 902 604	Maurice Miskosky	8
FLRMAN	607 473 236	Daryl Norman	8
Welder	706 710 472	Jim Desjarlais	12
		Welders time 4 hrs charge to Kaps	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	8
DRKMAN		Orval Campbell	8
MTRMAN		Keith Onon	8
FIREMAN			
FLRMAN		Doug Burton	8
FLRMAN		Art Mellott	4
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FORM 3TS APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canex Shell	A-1		3-9-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD	Thomson Drilling of Canada	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.A. Bann

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M.R. Crumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4 3/2	13.3	E	4 3/4	3 1/2 IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16
2	Wat	C-250	15

LEGAL LAND DESCRIPTION: 64-08-43N 125-3:1 5W

WIRE LINE RECORD — REEL NO. 1 — SIZE 1/16 — NO. LINES 9 — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT 239 — CUMULATIVE TON MI. OR TRIPS 1339

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8 5/8	Mann	24 K55	17	735	1360	750
7	NKK	26 K55	77	2895		2910

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7 1/4	7 1/4	9
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		3 1/2	
7. LUBRICATE RIG	1/4	1/4	1/4
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			1 1/2
10. DEVIATION SURVEY	1/2	1/2	1/4
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1/4	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Pick up Monel			1/2
22.			
23.	8	8	

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.			
	BIT		.60 FT.
	STB RMR	OD	FT.
20	D.C. 4 1/2 ID	2 OD	578.88 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
40	STANDS DP		3723.85 FT.
2	SINGLES DP		62.35 FT.
	KELLY DOWN		20.00 FT.
	TOTAL		4385.58 FT.
WT. OF STRING			LBS.

BIT RECORD		
BIT NO.	22	
SIZE	6 1/8	
MFG.	Sec	
TYPE	S88	
JETS 1 32"	12 12 BK	
SER. NO.	374376	
DEPTH OUT	4385	
DEPTH IN	3747	
TOTAL FTG.	638	
TOTAL HRS. RUN	41 1/2	
COND. 1/8's T/B' GAGE		
GPM/ PD--PSI		

MUD RECORD

TIME	0400	0400	0700
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	10		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR--D RM--R CORE--C	CORE NO.	FORMATION	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.--P PART.--P COMPL.--C
4272	4395	D			42	20	1400	5	47			

DEVIATION RECORD — DEPTH 4270 — DEV. 7 3/4 — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2430	1/2		Drilling
2430	0100	1/2		Survey
0100	0115	1/4		Rig serv.
0115	0800	6 3/4		Drilling.

DRILLER: Earl Jacob

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.			
	BIT		FT.
	STB RMR	OD	FT.
20	D.C. 4 1/2 ID	OD	578.88 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
41	STANDS DP		3817.88 FT.
2	SINGLES DP		62.35 FT.
	KELLY DOWN		41.00 FT.
	TOTAL		4500.11 FT.
WT. OF STRING			LBS.

BIT RECORD		
BIT NO.	22	
SIZE	6 1/8	
MFG.	SEC.	
TYPE	588	
JET 1/32"	12 12 BK	
SER. NO.	374276	
DEPTH OUT		
DEPTH IN	3747	
TOTAL FTG.	753	
TOTAL HRS. RUN	48 1/2	
COND. 1/8's T/B' GAGE		
GPM/ PD--PSI		

MUD RECORD

TIME	0800	1000	1200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	10.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR--D RM--R CORE--C	CORE NO.	FORMATION	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.--P PART.--P COMPL.--C
4385	4500				42	20	1400	5x16	48			

DEVIATION RECORD — DEPTH 4458 — DEV. 9 1/4 — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0860	0915	1/4		DRLG.
0915	0945	1/2		RIG SER. + BOP
0985	1330	3 1/4		DRLG.
1380	1400	1/2		SURVEY AT 4458
1400	1600	2		DRLG.

DRILLER: Allen Thomas

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.			
1	B.H. Sub		2.49
	STB RMR	OD	FT.
1	Monel	6 3/4 OD	33.59 FT.
	STB RMR	OD	FT.
19	D.C. 4 1/2 ID	OD	550.42 FT.
	STB RMR	OD	FT.
41	STANDS DP		3944.83 FT.
	SINGLES DP		FT.
	KELLY DOWN		31.0 FT.
	TOTAL		4524 FT.
WT. OF STRING			LBS.

BIT RECORD		
BIT NO.	22	23
SIZE	6 1/8	6 1/8
MFG.	Sec.	Sec
TYPE	588	588
JETS 1/32"	12 12 BK	12 12 BK
SER. NO.	374576	374574
DEPTH OUT	4530	
DEPTH IN	3747	4530
TOTAL FTG.	783	4
TOTAL HRS. RUN	50	1/2
COND. 1/8's T/B' GAGE	36 6 I	
GPM/ PD--PSI		

MUD RECORD

TIME	1400	1600	
WEIGHT	8.4	8.4	
PRESSURE GRADIENT			
VISC.-SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	9.0	9.0	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	300#		

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR--D RM--R CORE--C	CORE NO.	FORMATION	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.--P PART.--P COMPL.--C
4500	4534	D			42	20	1400	5				
					40	10	1400	5				

DEVIATION RECORD — DEPTH 4530 — DEV. 1 3/4 — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	1/4		Rig Ser.
1615	1745	1 1/2		Drilling
1745	1800	1/4		Drop Survey
1800	2000	2		Blow Kelly TRIP OUT for bit
2000	2130	1 1/2		Slip + cut line
2130	2200	1/2		Pick up monel collar Lay down bottom hole ass
2200	2330	1 1/2		TRIP IN
2330	2400	1/2		DRLG

DRILLER: T. Koltynuk

DRILLING CREW PAYROLL DATA

DATE 3-9-72

WELL NAME & NO. Amoco Red Dog A-1

COMPANY Thomson Drilling

TOOL PUSHER M.R. Crumley — RIG NO. 19

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602:759:615	Earl Jacob	8
DRKMAN	619:284:467	Rick Belair	8
MTRMAN	608:820:554	Wilbert Simms	8
FIREMAN			
FLRMAN	613:779:636	Carl Seniller	8
FLRMAN	600:703:045	John Egeart	8
FLRMAN			

NO. OF DAYS 335 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 800 A.M. 400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610:398:968	Allen Thomas	
DRKMAN	615:108:305	Ken Stenerson	
MTRMAN	608:904:272	Andrew Brozny	
FIREMAN			
FLRMAN	610:463:234	Wm. Brozny	
FLRMAN	603:110:305	Earl Docherty	
FLRMAN	607:493:236	Deryl Norman	

NO. OF DAYS 304 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600:704:498	Fred. Koltynuk	8
DRKMAN	601:439:276	Phil Gelikas	8
MTRMAN	608:[illegible]:458	Gary Bowman	8
FIREMAN			
FLRMAN	605:[illegible]:731	Robin Brooks	8
FLRMAN	604:[illegible]:602	Maurice Moskosky	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

FILM + ▲

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canex Shell	A-1	64-08-42N 125-34 554	3-8-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Ltd.		Thomson Drilling of Canada	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
W Bann		GR Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4 3/4	3½ IF	2

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	B-500	16
2	Nat.	C-250	15"

LEGAL LAND DESCRIPTION 64-08-42N 125-34-55W

WIRE LINE RECORD REEL NO. 1 — SIZE 1/19 — NO. LINES 9 — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT (44) 339 — CUMULATIVE TON MI. OR TRIPS 1339

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	MANN	24 K55	17	750	1350	750
	7	N.K.K.	26 K55	77	2885'		2910

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7¼	6½	7¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	¼		¼
8	REPAIR RIG		½	
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	½	¾	
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21		7		
22				
23		8	8	8

COMPLETION: A. PERF'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.				BIT RECORD	
	BIT		.60 FT.	BIT NO.	22
				SIZE	6 1/8
	STB RMR	OD	FT.	MFG.	SES
20	D.C. 10	OD	578.88 FT.	TYPE	588
	STB RMR	OD	FT.	JETS 1 32"	12 12 BK
	D.C. ID	OD	FT.	SER. NO.	374
	STB RMR	OD	FT.	DEPTH OUT	296
				DEPTH IN	3717
				TOTAL FTG.	323
				TOTAL HRS. RUN	2
37	STANDS DP		3371.09 FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP		31.13 FT.	GPM/ PD-PSI	/ /
	KELLY DOWN		17.00 FT.		
	TOTAL		4070.70 FT.		
	WT. OF STRING		LBS.		

MUD RECORD

TIME	0180	0300	0600
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

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. PARTICLES CONTACT
3942	4070											

DEVIATION RECORD — DEPTH 4050 — DEV. 8¼ — DIRECTION — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0130	1½		Drilling
0130	0145	¼		Rig Serv.
0145	0700	5¼		Drilling
0700	0730	½		Survey
0730	0800	½		Drilling

DRILLER Paul Jacob

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.				BIT RECORD	
	BIT		FT.	BIT NO.	22
				SIZE	6½
	STB RMR	OD	FT.	MFG.	SEC.
20	D.C. 10	4½/00	578.88 FT.	TYPE	588
	STB RMR	OD	FT.	JET 1 32"	12 12 BK
	D.C. ID	OD	FT.	SER. NO.	374
	STB RMR	OD	FT.	DEPTH OUT	296
				DEPTH IN	3747
				TOTAL FTG.	413
				TOTAL HRS. RUN	26½
38	STANDS DP		3538.64 FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP		31.06 FT.	GPM/ PD-PSI	/ /
	KELLY DOWN		FT.		
	TOTAL		4160.58 FT.		
	WT. OF STRING		74000 LBS.		

MUD RECORD

TIME	0800	1000	1200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	11.5		11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dumped #2 Compartment			
Cleaned Same.			

FOOTAGE / FORMATION

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. PARTICLES CONTACT
4070	4160				42	20	1400	5	147	5½		S

DEVIATION RECORD — DEPTH 4084 — DEV. 8¾ — DIRECTION MISRAN 4116 — DEPTH 4116 — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0930	1½		DRLG.
0930	1000	½		SURVEY RIG SERV BOPE
1000	1215	2¼		DRLG.
1215	1245	½		SURVEY @
1245	1430	1¾		DRLG.
1430	1500	½		W/O AIR LINES
1500	1600	1		DRLG.

DRILLER Allen Thomas

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.				BIT RECORD	
	BIT		FT.	BIT NO.	22
				SIZE	6½
	STB RMR	OD	FT.	MFG.	SEC.
20	D.C. 10	4½/00	578.88 FT.	TYPE	588
	STB RMR	OD	FT.	JETS 1/32"	12 12 BK
	D.C. ID	OD	FT.	SER. NO.	374278
	STB RMR	OD	FT.	DEPTH OUT	
				DEPTH IN	3747
				TOTAL FTG.	535
				TOTAL HRS. RUN	34¼
39	STANDS DP		3630.55 FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP		31.06 FT.	GPM/ PD-PSI	/ /
	KELLY DOWN		31.00 FT.		
	TOTAL		4272 FT.		
	WT. OF STRING		74,000 LBS.		

MUD RECORD

TIME	1600	2000	
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH		11.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dump + clean Shakers Tank.			

FOOTAGE / FORMATION

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. PARTICLES CONTACT
4160	4272	D			42	20	1400	5	147			S

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1800	2:		Drilling
1800	1815	¼		Rig Service
1815	2400	5¾		Drilling

DRILLER J. Kostyanko

MORNING TOUR / DAY TOUR / EVENING TOUR

DRILLING CREW PAYROLL DATA

DATE 3-8-72
WELL NAME & NO. Amoco Canex Red Dog - A-1
COMPANY Thomso Drilling
TOOL PUSHER GR Crumly RIG NO. 19

MORNING TOUR 1200 P.M. 800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 259 615	PAUL JACOB	8
DRKMAN	618 284 467	RICK BELAIR	8
MTRMAN	608 820 584	WILBERT SIMMS	8
FIREMAN			
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN	600 703 045	JOHN BAERT	8
FLRMAN			

NO. OF DAYS 334 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 800 A.M. 400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN	615 108 305	KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNA	8
FIREMAN			
FLRMAN	610 463 234	Wm. BROZNA	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN	607 993 236	DERYL NORMAN	8
~~FLRMAN~~			

NO. OF DAYS 303 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	8
DRKMAN	601 437 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	700 702 604	Maurice Muskosky	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condex Shell A1 Red Dog	A-1		3-7-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Ltd.		Thomson Drlg. Ltd.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
[signature]		GR Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½				3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	D500 Emsco	D500	16
2	C250 National	C250	15

LEGAL LAND DESCRIPTION 64° 05' 3/3" N 125° 34' 55" W

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	MAYAN	24 K55	17	735	13.60	750
	7	NKK	26 K55	97	2895		2910

WIRE LINE RECORD: SIZE | NO. LINES | FT. SLIPPED | FT. CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5¾	5½	7¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	1½	¾	
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	½		½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	C.M.S.O		¼	
22				
23				
A	PERF'R'TN			
B	TBG TRIPS			
C	TREATING			
D	SWABBING			
E	TESTING			
F	ADDIT'N'L			
G				
	TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY

NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
	STB RMR	OD		FT.
20	D.C. ID	OD	578.88	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
19	STANDS DP		3069.10	FT.
2	SINGLES DP		62.00	FT.
	KELLY DOWN		34.29	FT.
	TOTAL		3747	FT.
WT. OF STRING			68,000	LBS.

BIT RECORD

BIT NO.	21
SIZE	6⅛
MFG.	Sec.
TYPE	S88
JETS 1 32nds	12 12 12
SER. NO.	374179
DEPTH OUT	3747
DEPTH IN	2973
TOTAL FTG.	774
TOTAL HRS. RUN	48¼
COND. T.B. GAGE	1 8 I
GPM/ PD-PSI	

MUD RECORD

TIME	10	3	5
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS			
WL-CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 (SEC-S PARTIC-D COMPASS)
3646	~~3747~~ 3747	D			42	20	1350	5"	4/8			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3650	7¼		3712	7⅛				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0030	½		Drlg.
0030	0100	½		Rig Service ¼ hr. + Survey ¼ hr.
0100	0615	5¼		Drlg.
0615	0630	¼		Survey
0645	0900	1 1/2		Trip for bit

DRILLER Ed Johnson

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		60	FT.
	STB RMR	OD		FT.
20	D.C. ID	OD 2	578.88	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
34	STANDS DP		3062.10	FT.
	SINGLES DP		62.32	FT.
	KELLY DOWN		19.00	FT.
	TOTAL		3822.90	FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	22
SIZE	6⅛
MFG.	Sec
TYPE	S88
JET 1/32"	3/8 Jets
SER. NO.	374179 2nd run
DEPTH OUT	
DEPTH IN	3747
TOTAL FTG.	75
TOTAL HRS. RUN	5½
COND. T.B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	800	1200	2200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#		

DAY TOUR

FOOTAGE / FORMATION

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
~~3747~~ 3747	3822				42	20	1350	5	4/7			

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0830	½		Rig Ser (4 hrs) — B.O.P Blind Rams (4 hrs)
0830	0845	¼		Check Motor Shut off working O.K.
0845	1000	1¼		Rig up w/ Bit No 22
1000	1030	½		Blow Kelly Break Circ Clean 5 ft. to Bottom
1030	1600	5½		Drilling.

DRILLER Paul Jacob

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
	STB RMR	OD		FT.
20	D.C. ID	OD 2	578.88	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
36	STANDS DP		3380.62	FT.
	SINGLES DP			FT.
	KELLY DOWN		41.00	FT.
	TOTAL		3422.54	FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	22
SIZE	6⅛
MFG.	Sec.
TYPE	S88
JETS 1/32"	12 12 12
SER. NO.	374179 2nd run
DEPTH OUT	
DEPTH IN	3747
TOTAL FTG.	195
TOTAL HRS. RUN	12¾
COND. T.B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	1600	1800	2000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	11.5	11.5	11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

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
22	3942				42	20	1400	5X16	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3897	7¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		DRLG.
1700	1715	¼		RIG SER.
1715	2100	3¾		DRLG.
2100	2130	½		SURVEY @ 3897
2130	2410	2½		DRLG.

DRILLER Allen Thomas

DRILLING CREW PAYROLL DATA

DATE March 7-1972
WELL NAME & NO. Amoco Condex Shell A-1 Red Dog
COMPANY Thomson Drlg.
TOOL PUSHER GR Crumly — RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Chrisdis Johnson	8
DRKMAN	600 703 346	Clint Campbell	8
MTRMAN	615 961 158	Keith Orom	8
FIREMAN	6		
FLRMAN	610 451 913	Ed Brezny	8
FLRMAN	603 193 918	Doug Burke	8
FLRMAN			

NO. OF DAYS 348 SINCE LAST LOST TIME ACCIDENT

DAY TOUR A.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	8
DRKMAN	618 244 467	Rick Belair	8
MTRMAN	609 320 554	Wilbert Simms	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	600 703 045	John Baert	8
FLRMAN	607 493 236	Beryl Norman	8
Welder	706 710 479	Jim Desparlais	4

NO. OF DAYS 333 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 400 P.M. 12 00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	Allen Thomas	8
DRKMAN	615 108 305	Ken Stevenson	8
MTRMAN	608 904 282	Andrew Brezny	8
FIREMAN			
FLRMAN	610 463 234	Wm Brezny	8
FLRMAN	603 110 305	Earl Docherty	8
FLRMAN			

NO. OF DAYS 302 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condex Shell A-1 Red Dog	A-1		
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Canada Ltd.	Thomson Drlg. Ltd.		19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
	H.R. Lumley		

D. PRICE	STRING	TOOL JT O.D.	TYPE THREAD	STRING NO.
3			3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION 64° 05' 43" N 165° 34' 55" W

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	MANN	24 K55	17	735	1380	150
	7	NKK	26 K55	77	2895	138	2910

SIZE	NO. LINES	FT. SLIPPED

PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE March 6 1972

WELL NAME & NO. Amoco Condex Shell A-1 Red Dog

COMPANY Thomson Drlg. Ltd.

TOOL PUSHER H.R. Lumley RIG NO. 19

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7	6¾	7¾
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¾	¾	¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
A	PERF'RTN			
B	TBG TRIPS			
C	TREATING			
D	SWABBING			
E	TESTING			
F	ADDITN'L			
G				
	TOTALS	6	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. NO. D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.		OD		
	BIT			FT.
	STB RMR	OD		FT.
20	D.C. ID	OD	5768⅝	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
1	Junk Sub		2.09	
30	STANDS DP		2799.53	FT.
	SINGLES DP			FT.
	KELLY DOWN		41.60	FT.
	TOTAL		3411.00	FT.
WT. OF STRING			65,000	LBS.

BIT RECORD

BIT NO.	21
SIZE	6¼
MFG.	SEC
TYPE	S88
JETS 1:32"	12 12 BLK
SER. NO.	374179
DEPTH OUT	
DEPTH IN	2973
TOTAL FTG.	438
TOTAL HRS. RUN	28
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1000	2000	700
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.		OD		
	BIT		.60	FT.
	Junk Sub		2.09	
	STB RMR	OD		FT.
30	D.C. ID	OD	578.89	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
	Jv.			
31	STANDS DP		2883.20	FT.
1	SINGLES DP		31.32	FT.
	KELLY DOWN		31.00	FT.
	TOTAL		3525.00	FT.
WT. OF STRING			65.000	LBS.

BIT RECORD

BIT NO.	21
SIZE	6⅛
MFG.	SEC
TYPE	S88
JETS 1:32"	12/12/BLK
SER. NO.	374179
DEPTH OUT	
DEPTH IN	2973
TOTAL FTG.	552
TOTAL HRS. RUN	34¾
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0900	1100	1500
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.		OD		
	BIT	6⅛ OD	2.09	FT.
	Junk Sub			
	STB RMR	OD		FT.
20	D.C. ID	4⅞ OD	578.88	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
	Junk Sub			
32	STANDS DP		2976.28	FT.
2	SINGLES DP		62.18	FT.
	KELLY DOWN		27.00	FT.
	TOTAL		3646.46	FT.
WT. OF STRING			66,000	LBS.

BIT RECORD

BIT NO.	21
SIZE	6⅛
MFG.	SEC.
TYPE	588
JETS 1:32"	12 12 BLK
SER. NO.	374179
DEPTH OUT	
DEPTH IN	2973
TOTAL FTG.	673
TOTAL HRS. RUN	42½
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1600	1800	2000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH	6.8	6.8	6.8
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE FROM 3309 TO 3411 | DR'D RM'R CORE'C | CORE NO. 0 | 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 SCHL'S PARKER FOX SDC
40	20	1300	5	46	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3308	6½	3339	6¼					

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		Rig Service
0015	0030	¼		Survey
0030	0300	2½		Drlg.
0300	0330	½		Survey
0330	0400	4½		
				Dump tanks

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE FROM 3411 TO 3525 | DR'D RM'R CORE'C | CORE NO. D | 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 SCHL'S PARKER FOX SDC
42	20	1350	5	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3430	6¼		3495	6¼				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0930	1½		Drilling
0930	0945	¼		Survey
0945	1015	½		Rig Serv (¼ hrs) check B.O.P. (¼ hrs.)
1015	1415	4		Drilling.
1415	1445	½		Survey
1445	1600	1¼		Drilling.
				Held safety meeting

DRILLER Earl Jacob

EVENING TOUR

FOOTAGE FROM 3525 TO 3646 | DR'D RM'R CORE'C | CORE NO. D | 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 SCHL'S PARKER FOX SDC
42	20	1350	5X16	48			

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾		DRLG.
1645	1700	¼		RIG SER.
1700	2400	7		DRLG.

DRILLER Allen Thomas

DRILLING CREW

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 460	Clint Campbell	8
MTRMAN	618 961 189	Keith Atom	8
FIREMAN			
FLRMAN	610 481 813	Ed Brozny	8
FLRMAN	603 343 918	Doug Burke	8
FLRMAN			

NO. OF DAYS 347 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 789 615	Paul Jacob	8
DRKMAN	619 284 467	Rick Belair	8
MTRMAN	608 980 584	Wilbert Simms	8
FIREMAN			
FLRMAN	613 772 636	Carl Schiller Simms	8
FLRMAN	600 703 015	John Emert	8
FLRMAN	607 493 236	Deyrl Norman	8
WELDER	706 710 477	Jim Desjarlais	8

NO. OF DAYS 332 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 400 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	Allen Thomas	8
DRKMAN	615 108 305	Ken Stenerson	8
MTRMAN	608 944 272	Andrew Brozny	8
FIREMAN			
FLRMAN	610 463 234	Kim. Brozny	8
FLRMAN	603 110 305	Earl Ducherin	8
FLRMAN			

NO. OF DAYS 301 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell A-1 Red-Dog	A-1		3-5-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	Thomson Drlg Ltd.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: W R Jones

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G R Thomson

D.P. SIZE	WT. P. FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½				3½ REG	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION: 64° 09' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
5 5/8	MANN	24 K55	17	730	18.80	750
7	NKK	26 K55	77	2875	13.8	2910

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7	6½	7½
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¼	1	¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING	½		
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		9	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/O CONTR. D.P.	8 8 8
HRS. W/O D.P.	
HRS. STANDBY	
TOTAL DAY WORK	24
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	FT.	BIT NO.	21
			SIZE	6 1/4
	STB RMR OD	FT.	MFG.	Sec.
20	D.C. ID 2 1/2" 4 3/4 OD	578.88 FT.	TYPE	S88
	STB RMR OD	FT.	JETS 1/32"	12 12 BLK
	D.C. ID OD	FT.	SER. NO.	374179
	STB RMR OD	FT.	DEPTH OUT	
1	JUNK SUB	2.09	DEPTH IN	2973
			TOTAL FTG.	
			TOTAL HRS. RUN	
26	STANDS DP	3417.00 FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP	30.03 FT.	GPM/ PD-PSI	
	KELLY DOWN	41.00 FT.		
	TOTAL	3069 FT.		
WT. OF STRING	62.000	LBS.		

MUD RECORD

TIME	2400	1400
WEIGHT	9.3	9.3
PRESSURE GRADIENT		
VISC.-SEC.	WATER	
PV/YP	/	/
GELS	/	/
WL-CC'S		
pH	11.5	
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	.60 FT.	BIT NO.	21
	JUNK SUB	2.09	SIZE	6 1/8
	STB RMR OD	FT.	MFG.	SEC
20	D.C. ID 2 1/2" 4 3/4 OD	578.88 FT.	TYPE	S88
	STB RMR OD	FT.	JETS 1/32"	12/12/BLK
	D.C. ID OD	FT.	SER. NO.	374179
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	2973
			TOTAL FTG.	210
			TOTAL HRS. RUN	13½
27	STANDS DP	2509.15 FT.	COND. 1/8's T/B. GAGE	
2	SINGLES DP	61.82 FT.	GPM/ PD-PSI	
	KELLY DOWN	31.00 FT.		
	TOTAL	3183.54 FT.		
WT. OF STRING	62.000	LBS.		

MUD RECORD

TIME	1000	1200	1400
WEIGHT	9.33	8.4	8.4
PRESSURE GRADIENT	433	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	11.5	11.5	11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	.60 FT.	BIT NO.	21
			SIZE	6 1/8
	STB RMR OD	FT.	MFG.	SEC.
20	D.C. ID 2 1/2" 4 3/4 OD	578.88 FT.	TYPE	S88
	STB RMR OD	FT.	JETS 1/32"	12/12/BLK
	D.C. ID OD	FT.	SER. NO.	374179
	STB RMR OD	FT.	DEPTH OUT	
	JUNK SUB	2.09	DEPTH IN	2973
			TOTAL FTG.	336
			TOTAL HRS. RUN	21
26	STANDS DP	2695.46 FT.	COND. 1/8's T/B. GAGE	
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	32.00 FT.		
	TOTAL	3309.03 FT.		
WT. OF STRING	64.000	LBS.		

MUD RECORD

TIME	1600	1800	2000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	10.5	10.5	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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
2973	29064	D			38	20/27	1150	5"	45			S
3064	3069	D			42	22	1350	5"	48			S

DEVIATION RECORD: DEPTH 3059 — DEV. 5

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		Rig Service
0015	0045	½		Work Junk Sub.
0045	0845	7		Drill
0845	0800	¼		Survey

DRILLER Alfred Johnson

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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
3069	3183	B			42	20-22	1350	5	48	ON GUN		S

DEVIATION RECORD: DEPTH 3090 — DEV. 4½ — DEPTH 3121 — DEV. 4 3/8

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Serv - B.O.P.
0830	1000	1½		Drilling
1000	1030	½		Survey
1030	1245	2¼		Drilling
1245	1315	½		Survey
1315	1600	2¾		Drilling.

DRILLER Paul Jacob

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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
3183					38	20	1300	5½16"	46			

DEVIATION RECORD: DEPTH 3183 — DEV. 5°

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		DRLG.
1630	1700	½		SURVEY (4) RIG SER. (½)
1700	2400	7		DRLG.
				HELD SAFETY MEETING & BLOWOUT DRILL
				CLEANED SHAKER TANK & UNE NEXT TO SUCTION.

DRILLER Allen Thomas

DRILLING CREW PAYROLL DATA

DATE March 5 1972

WELL NAME & NO. Amoco Canada Shell A-1 Red Dog

COMPANY Thomson Drlg. Ltd.

TOOL PUSHER G.R. Thomson — RIG NO. 19

MORNING TOUR 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	8
DRKMAN		Clint Campbell	8
MTRMAN		Keith Orom	8
FIREMAN			
FLRMAN		Ed Brozny	8
FLRMAN		Doug Burke	8
FLRMAN			

NO. OF DAYS 346 SINCE LAST "LOST" TIME ACCIDENT

DAY TOUR 8 A.M. — 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 613	PAUL JACOB	8
DRKMAN	288 254 467	RICK DELAIR	8
MTRMAN	605 800 554	Wilbert Simms	8
FIREMAN	613 779 6		
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN	600 903 045	JOHN BOERT	8
FLRMAN	607 493 236	DERYL NORMAN	9
WELDER	706 710 472	Jim DesJarlais	8
		Held Safety meeting	

NO. OF DAYS 331 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. — 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 969	ALLEN THOMAS	8
DRKMAN	615 109 305	KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			

NO. OF DAYS 300 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Shell Red Dog	1-1		3-4-72
OPERATOR		CONTRACTOR	RIG NO.
Amoco Canada Ltd		Thomson Drlg. Ltd.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
V.R. Knuds		M.R. Krumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½					

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	Mudmaster	C250	15

LEGAL LAND DESCRIPTION 64° 08' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝	MANN	47 K-55	17	735	13.5	750
	7"	NKK	26 K-55	79	2895		7910

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	¼	11½	¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			3½
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	¼
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			4½
20	DIR. WORK			
21	DRT. INT HOLE	7½	6¼	
22	W/B BLEWEY LINE			½
23	TRY TO REGAIN CIRC.			¼
COMPLETION	A. PERF'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.	8	8	8
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8	8	8
NO. OF DAYS FROM SPUD	5101	5102	
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.60	FT.
	STB RMR OD		FT.
	D.C. ID OD	578.88	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP	2722.04	FT.
	SINGLES DP		FT.
	KELLY DOWN	33.00	FT.
	TOTAL	2934.00	FT.
	WT. OF STRING	66,000	LBS.

BIT RECORD

BIT NO.	20
SIZE	6¼
MFG.	SECURITY
TYPE	S88
JETS 1/32"	20 20 20
SER. NO.	374275
DEPTH OUT	
DEPTH IN	2932
TOTAL FTG.	2
TOTAL HRS. RUN	¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	750 CU. FT. MIN
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.60	FT.
	STB RMR OD		FT.
20	D.C. ID OD	578.88	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
25	STANDS DP	2363.64	FT.
1	SINGLES DP	31.35	FT.
	KELLY DOWN	37.00	FT.
	TOTAL	2969.	FT.
	WT. OF STRING	62,000	LBS.

BIT RECORD

BIT NO.	20
SIZE	6¼
MFG.	SEC
TYPE	S88
JET 1/32"	3/20
SER. NO.	374275
DEPTH OUT	
DEPTH IN	2932
TOTAL FTG.	39
TOTAL HRS. RUN	1½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	750 CU. FT. MIN
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sylsol	45		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
20	D.C. 12 ID 4⅞ OD	578.88	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	JUNK SUB	2.09	
	STANDS DP	2322.64	FT.
	SINGLES DP	31.65	FT.
	KELLY DOWN	38.41	FT.
	TOTAL	2973.37	FT.
	WT. OF STRING	60,000	LBS.

BIT RECORD

BIT NO.	20	21
SIZE	6⅛	6⅛
MFG.	SEC.	SEC
TYPE	S88	S88
JETS 1/32"	20 20 20	12 12 BLK
SER. NO.	374275	374179
DEPTH OUT	2973	
DEPTH IN	2932	2973
TOTAL FTG.	41	
TOTAL HRS. RUN	1¾	
COND. 1/8's T/B/ GAGE	1 3 1	
GPM/ PD-PSI	SEALS DAMAGED TRIED TO REAM HOLE	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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'L P ANAL'SIS
2932	2934	C			40 35	35	120	AIR	950 cu/ft/MIN			
					35	2000						

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		Rig Service
0015	0630	6¼		circ w/ air for dry hole
0630	0645	¼		Drill 2 ft.
0645	0800	1¼		Circ & Drying Hole

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE / FORMATION

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'L P ANAL'SIS
2934	2969	D			40	3-20	120	AIR	DRY.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2920	2⅞							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0930	½		Rig serv. (½ hrs) check B.O.P. (¼ hrs)
0930	0915	¾		Circ w/air drying Hole
0915	0930	¼		Drilling
0930	1500	5½		Add 5 gal. Sylsol to Drill pipe & Circ w/air
1500	1600	1		Drilling

DRILLER Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION

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'L P ANAL'SIS
2969	2973				40	20	120-300	750 cu ft/min. AIR DRLG				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2920	2⅞							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		DRLG.
1615	1630	¼		STOPPED DUSTING; TRY TO REGAIN CIRC. + LAY DOWN 2 SNGLS WITH KELLY
1630	1800	1½		BLOW KELLY & PULL OUT 2015-2030 CLEAN N' FILL
1800	1815	¼		RIG SER. + ✓ BLIND RAMS 2030-2100 WORK MAG + JUNK SUB
1815	1830	¼		CHANGE BARBER GATES ON BLOOEY LINE 2100-2230 BLOW KELLY & PULL OUT
1830	1845	¼		MAKE UP JUNK SUB & MAGNET 2230-2300 INSPECT + BRK DOWN TOOLS
1845	2000	1¼		RUN IN 2300-2400 MAKE UP BIT + JUNK SUB + RUN IN.
2000	2015	¼		BRK CIRC

DRILLER Allen Thomas

DRILLING CREW PAYROLL DATA

DATE MARCH 4 1972

WELL NAME & NO. Amoco CANDEX SHELL A-1 RED DOG

COMPANY THOMSON DRLG

TOOL PUSHER M.R. Krumly RIG NO. 19

MORNING TOUR 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 440	Clint Campbell	8
MTRMAN	718 961 159	Keith Thom	8
FIREMAN			
FLRMAN	610 448 913	Ed Brozny	8
FLRMAN	603 143 918	Doug Burke	8
FLRMAN			

NO. OF DAYS 345 SINCE LAST LOST TIME ACCIDENT

DAY TOUR A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 617	Paul Jacob	8
DRKMAN	618 284 467	Rick Belmir	8
MTRMAN	608 820 554	Wilbert Simms	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	600 703 048	John Baert	8
FLRMAN	607 492 336	Deryl Norman	8
WELDER	706 710 472	Jim Desjarlais	8

NO. OF DAYS 329 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4:00 P.M. — 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	Allen Thomas	8
DRKMAN		Ken Stenerson	8
MTRMAN	608 904 272	Andrew Brozny	8
FIREMAN			
FLRMAN	610 463 334	Wm. Brozny	8
FLRMAN	603 710 305	Earl Docherty	8
FLRMAN			

NO. OF DAYS 299 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell A-1 Red Dog	A-1		3-3-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Pet. Ltd.		Thomson Drlg. Ltd	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	

D.P. SIZE	WT./FT.	GRADE	TOOL J	O.D.	TYPE THREAD	STRING NO.
3½						

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION 64° 08' 43" N 125° 34' 55" W

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	5⅝	MANN	24 K55	17	735	13.5	750
	7	NKK	26 K55	191	2815		2910

SIZE | NO. LINES | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		3	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	3¼		3¾
6. TRIPS		2¾	½
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1¼	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. Pick up 7" Rotating Head Insert			¾
20. Work Blooey Line			2¾
21. Pressure BOP's	¼		
22. Rig up Floor	½		
23. Pick up DP, Bulk	¼		
A. PERF'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO./D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

COMPLETION

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	
	D.C. ID	OD	FT.
20	STB RMR	OD	
	D.C. ID	OD	578.88 FT.
	STB RMR	OD	FT.
26	STANDS DP		2429.56 FT.
1	SINGLES DP		29.60 FT.
	KELLY DOWN		FT.
	TOTAL		2537.43 FT.
	WT. OF STRING		61340 LBS.

BIT RECORD

BIT NO.	19
SIZE	6⅛
MFG.	HW
TYPE	OSC-1GS
JETS 1 32"	NIL
SER. NO.	ES061
DEPTH OUT	
DEPTH IN	2929
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		60 FT.
	STB RMR	OD	FT.
20	D.C. ID	OD 8⅜	578.88 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
25	STANDS DP		2322.01 FT.
	SINGLES DP		FT.
	KELLY DOWN		31.00 FT.
	TOTAL		2932.52 FT.
	WT. OF STRING		60.000 LBS.

BIT RECORD

BIT NO.	19	20
SIZE	6⅛	6¼ Reed
MFG.	HW	Reed
TYPE	OSC1C	S88
JET 1/32"	NONE	3/20
SER. NO.	ES062	374275
DEPTH OUT	2932	
DEPTH IN	2929	2932
TOTAL FTG.	3	
TOTAL HRS. RUN	¾	
COND. 1/8's T/B/ GAGE	2 3 1	
GPM/ PD-PSI		

MUD RECORD

TIME	1300
WEIGHT	8.33
PRESSURE GRADIENT	
VISC.-SEC.	28
PV/YP	/
GELS	/
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER			

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		60 FT.
	STB RMR	OD	FT.
20	D.C. 2 ID	4⅝ OD	578.88 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
25	STANDS DP		2322.04 FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		2932.52 FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	20
SIZE	6⅛
MFG.	SECURITY
TYPE	S85
JETS 1/32"	20 20 20
SER. NO.	374275
DEPTH OUT	
DEPTH IN	2932
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/
GELS	/
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 SCHLUM. PARFL'D COMPOS.
2929												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0085	¼		Rig Service
2415	2430	¼		Finish Picking 5" Kelly
2430	0100	½		Rig up Floor
0100	0300	2		Rig up Dcs.
0300	0530	2½		Roll 6" DCs + 4½" Pipe off 3½" pipe tow canoe
0530	0800	2½		Pick up (72 jts of 3½" pipe
				Jap of cement @ 2537.43.

DRILLER Clifford Johnson

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 SCHLUM. PARFL'D COMPOS.
2929	2932	D		Pipe Tally 2933.36								
				Board " 2932.52								
				Diff .84								

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Serv (¼ hrs). Check B.O.P. (¼ hrs)
0830	0845	¼		Break circ.
0845	0945	1		Pressure Pipe Rams + Hydrill to 1000 P.S.I. F/15 min OK.
0945	1200	2¼		Drill Float Shoe and 90' cement
1200	1245	¾		Drilling 6⅛ Hole
1245	1315	½		Circ. Sample Pressure on Formation @ 500 P.S.I
1315	1500	1¾		Hoist and Strap out.
1500	1600	1		Run in

DRILLER Carl Schiller

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 SCHLUM. PARFL'D COMPOS.

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Finish In Except 2 stds
1630	1645	¼		Rig Ser.
1645	1730	¾		Switch Barber Gates on Blooey Line
1730	1815	¾		Run in 2 stds + Put on Rotating Head Insert.
1815	1930	1¼		Brk Circ. with water + Air and Circ. with Air to Dry Hole
1930	2130	2		N/U Blooey Line.
2130	2400	2½		Circ. with Air to Dry Hole

DRILLER Allen Thomas

DRILLING CREW PAYROLL DATA

DATE MARCH 3/72

WELL NAME & NO. AMOCO SHELL A-1 RED DOG

COMPANY THOMSON DRLG.

TOOL PUSHER _____ RIG NO. 19

MORNING TOUR 1200 P.M. 800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 749 760	Clifford Johnson	12
DRKMAN	600 703 460	Clint Campbell	8
MTRMAN	609 941 169	Keith Orom	8
FIREMAN			-
FLRMAN	610 481 913	Ed Brozny	8
FLRMAN	603 143 918	Doug Burke	12
FLRMAN			

C Johnson + W Burke Motor Trouble on Glare Line

NO. OF DAYS 244 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 800 A.M. 400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 739 603	PAUL JACOB	8
DRKMAN	609 764 467	RICK BELAIR	10
MTRMAN	608 920 334	WILBERT SIMMS	10
FIREMAN			
FLRMAN	603 775 636	CARL SCHILLER	8
FLRMAN	600 703 045	JOHN BAERT	10
FLRMAN	609 443 236	DERYL NORMAN	8
WELDER	606 710 472	TIM DESJARLAIS	12

Charge 1 hr of Welders time to Kaps Trucking

NO. OF DAYS 328 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 400 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STEWERSON	8
MTRMAN	608 909 222	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			

NO. OF DAYS 298 SINCE LAST LOST TIME ACCIDENT

Form 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco CANOEX SHELL REGDOC	A-1		3/2/72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco CANADA PETE. Co LTD		THOMSON DRLG LTD.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
		GR Crumley	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION 64° 05' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8"	MAYN	24 K55	17	~~735~~ 750	13.8	750
	7"	NKK	26 K55	99	2895	13.8	2910

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN		1/4	
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	1/4	1/2	1/4
8	REPAIR RIG			
9	SLIP & CUT DRILLING LINE			1/2
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.	7 3/4	7 1/2	5 1/2
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	PICK UP 3 1/2 KELLY			1/4
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS		8	16	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.	8	8	8
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
BIT			FT.
		76	
STB RMR	OD		FT.
D.C. ID	OD	27	FT.
STB RMR	OD	76	FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
STANDS DP			FT.
SINGLES DP			FT.
KELLY DOWN			FT.
TOTAL			FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS	
WL -CC'S-	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
BIT			FT.
		2	
STB RMR	OD		FT.
D.C. ID	OD	3	FT.
STB RMR	OD		FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
STANDS DP			FT.
SINGLES DP			FT.
KELLY DOWN			FT.
TOTAL			FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
BIT			FT.
STB RMR	OD		FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
STANDS DP			FT.
SINGLES DP			FT.
KELLY DOWN			FT.
TOTAL			FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

FROM	TO	DR'D RM'R CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN FOR DRILL'G PARTIC'P COMPLTN

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	~~0715~~	1/4		Rig Service
				Set ~~Head~~ Bevel 7" casing set down
				Bolts Remove 900 series 10" ~~Spool~~ Flange from
				between Hydril # 2 Shaffer Install
				Casing hanger wear bushing + locking
				flange between Shaffer + casing bowl
0800	7 3/4			Nipple up Check valve on 0500 Mt 9280 pumping
				Pressure ~~Check~~ Test casing Ranger DRILLER Clifford Johnson

FOOTAGE / FORMATION

FROM	TO	DR'D RM'R CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN FOR DRILL'G PARTIC'P COMPLTN

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	1/2		Rig. Serv.
0930	1130	3		Pressure up w/Cameron between 7" slip seals
				and hanger slips
1130				Change to 3 1/2 Rams hook up bleed valve, Kill valve
	1530	4		manifold bleed valve
1530	1600	1/2		Pressure up on Blind Rams Work on Dog Nut Holder
				Cut Heater in Sub and weld to one side nut /
				arms on B.O.P. DRILLER Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR'D RM'R CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN FOR DRILL'G PARTIC'P COMPLTN

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	1/4		RIG SER.
1615	1630	1/4		PRESSURE TEST B.RAMS HELD OK. 2400 PS. FOR 15 MIN.
1630	1700			BLEED OFF PRESSURE, BLOW OUT LINES & DISPLACE MANIFOLD & SWEEP
	1700	1/4		WITH FUEL OIL
1700	1915	2 1/4		W/O ROTATING HEAD & INSTALL SAME.
1915	2145	2 1/2		W/O BLOOEY LINE.
2145	2215	1/2		SLIP 20' DRLG.LINE
2215	2400	1 3/4		TAKEOFF K.B., THAW KELLY SOCK & LAY DOWN KELLY & PICKUP 3 1/2 KELLY
				DRILLER Allen Thomas

DAILY DRILLING REPORT FORM NO. 375 — APPROVED — APPROVED

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

DRILLING CREW PAYROLL DATA

DATE MAR 1/72

WELL NAME & NO. AMOCO CANOEX SHELL A1-REG DOC A-29

COMPANY THOMSON DRLG (CANADA) LTD.

TOOL PUSHER GR Crumley RIG NO. 19

MORNING TOUR 2:00 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 944 760	Clifford Johnson	8
DRKMAN	600 703 460	Clint Campbell	12
MTRMAN	614 961 157	Keith Drom	12
FIREMAN			
FLRMAN	610 491 913	Ed Brogny	12
FLRMAN	603 243 918	Doug Burke	8
FLRMAN			

NO. OF DAYS 343 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	10
DRKMAN	608 284 467	Rick Belair	12
MTRMAN	608 920 554	Wilbert Simms	12
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	12
FLRMAN	600 703 045	John Baert	12
FLRMAN	607 493 236	Daryl Norman	12
WELDER	706 710 472	Jim Dasjarlais	9

NO. OF DAYS 327 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 368	ALLEN THOMAS	8
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			
FLRMAN			

NO. OF DAYS 297 SINCE LAST LOST TIME ACCIDENT

CAODC APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANDEX SHELL REDDOG	A-1		3/1/72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA PETE CO. LTD	THOMSON DRLG LTD	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C350	15

LEGAL LAND DESCRIPTION 64° 06' 43" N 125° 34' 55" W.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8	NKK	26 K55	17	735	13.8	750
	7	NKK	26 K55	77	2895	13.8	2910

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	~~CONDITION~~ & CIRCULATE		3¼	
6	TRIPS			
7	LUBRICATE RIG	¼	¼	
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT	6¾	3½	
13	WAIT ON CEMENT		3	
14	NIPPLE UP B.O.P.	~~3¼~~ 4		8
15	TEST B.O.P.	1½		
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
	TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPS. D.P.	
HRS. WO/D.P.	8 8 8
HRS. STANDBY	
TOTAL DAY	8 8 8
NO. OF DAYS FROM SPUD	
CUMUL. TYPE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.		
BIT		FT.
STB RMR	OD	FT.
D.C. ID	OD	FT.
STB RMR	OD	FT.
D.C. ID	OD	FT.
STB RMR	OD	FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B" GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.		
BIT		FT.
STB RMR	OD	FT.
D.C. ID	OD	FT.
STB RMR	OD	FT.
D.C. ID	OD	FT.
STB RMR	OD	FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B" GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.		
BIT		FT.
STB RMR	OD	FT.
D.C. ID	OD	FT.
STB RMR	OD	FT.
D.C. ID	OD	FT.
STB RMR	OD	FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B" GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 CONV. / TURBO / CONTR.

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	2415	¼		Rig Service
2415	~~0215~~ 0215	1		Finish changing Rams, check same
~~0215~~ 0215	0415	3		Rig up to run csg.
0415	0800	3¾		Run Csg.

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE / FORMATION

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 CONV. / TURBO / CONTR.
2929												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0915	1¼		Rig SERV.
0915	1065	2½		RUN CASING.–TAG FILL @ 2912' KB
1015	1130	1¾		CIRC W/ FOAM AIR. –UNABLE TO CIRC CSG DEEPER
1130	1200	½		CHASE AIR FOAM W/WATER & FILL CASING W/SAME
1200	1300	1		CEMENT CASING @ 2909.60' KB. –225 SX HEAT +2% CACL2
1300	1600			W.O.C.–TEAR OUT TONGS, DOWELL CEMENTER STEAM OUT CELLAR

DRILLER Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION

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 CONV. / TURBO / CONTR.
2929												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
~~1600~~ 1800	2400	8		TEAR OUT BOP & DIG CELLAR
				PICK UP BOP, SET CASING SLIPS, CUT OFF CASING.
A. THOMAS & E. DOCHERTY				CAME OUT EARLY TO RUN CASING & RIG UP TO CEMENT.

DRILLER Allen Thomas

DRILLING CREW PAYROLL DATA

DATE MAR 1/72

WELL NAME & NO. AMOCO CANDEX SHELL A-1 REDDOG K-29

COMPANY Thompson Drlg

TOOL PUSHER G.R. Lumley RIG NO. 19

MORNING TOUR — 12 P.M. — 4 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	4
DRKMAN	600 703 460	Clint Campbell	12
MTRMAN	618 961 189	Keith Olson	12
FIREMAN			
FLRMAN	610 781 913	Ed Brozny	~~4~~ 8
FLRMAN	603 143 918	Doug Burke	12
FLRMAN			

NO. OF DAYS 342 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 643	Paul Jacob	8
DRKMAN	618 794 467	Rick Belair	12
MTRMAN	609 920 554	Wilbert Simms	
FIREMAN			
FLRMAN	613 773 636	Carl Schiller	9
FLRMAN	600 703 045	John Bmert	12
FLRMAN	607 793 236	Deryl Norman	8
Welder	706 710 472	Jim Desjarlais	10

NO. OF DAYS 326 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — 4:00 P.M. — 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	6[illegible] 398 768	ALLEN THOMAS	16
DRKMAN			
MTRMAN	610 781 913	ED BROZNY	8
FIREMAN			
FLRMAN	603 110 305	EARL DOCHERTY	16
FLRMAN			
FLRMAN			
Welder	706 710 472	Jim Desjarlais	4

NO. OF DAYS 296 SINCE LAST LOST TIME ACCIDENT

FORM 375 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condex Shebl (Red Dog)	A-1	Unit K, sec. 29	2-29-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Ltd		Thomson Drlg	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
		GR Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8 5/8	MAN J	24 K-55	17	750	13.8	

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE		4	1/4
6.	TRIPS		1 1/2	
7.	LUBRICATE RIG		1/4	1/4
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE		1	
10.	DEVIATION SURVEY		1/4	
11.	WIRE LINE LOGS	8	1	
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			2
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	L. D. P.			5½
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	4

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	8	8	8
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8	8	8
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1.32"	/ / / /
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / / /
GELS.	/ / / /
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
20	D.C. ID	OD 5 5/8	867 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
2	subs		5.59
24	STANDS DP		2264.54 FT.
2	SINGLES DP		62.00 FT.
	KELLY DOWN		15.00 FT.
	TOTAL		2329.00 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / / /
GELS.	/ / / /
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	2 lbs/gal		
DRISPAC	40#		
CARCON	16#		
HAGATREAT	16#		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / / /
GELS.	/ / / /
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 SURF-D PART-D CONT-C
2929												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
001	0800			Logging with Schlumberger
				Rig csg on pipe rack
				Wash Threads

DRILLER Fred. Kostynuk

DAY TOUR

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 SURF-D PART-D CONT-C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0930	½		Rig Service ½ hr Rod check 1/4 hrs
0930	1030	1		Cut & Slip drlg line
1030	1200	1½		Run in w/ bit
1200	1600	4		Circ to run csg.

DRILLER Clifford Johnson

EVENING TOUR

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 SURF-D PART-D CONT-C
BITS SENT TO CARCAJOU - SC.M.5 - ser. 875354												
HW-OD4-38788				" - ser. 88551O								REED
				FCH - ser. 7921 73								

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	1/4		CHASE FOAM w/water Blow Kelly Hose
1615	1630	1/4		Rig SERV
1630	2000	3½		Hoist & Laying down PIPE & Collars Break Kelly quill TAKE OFF Kelly HOSE TEAR PIPE
2000	2200	2		Lay down Collars
2200	2300	1		TAKE OFF AIR HEAD
2300	2400	1		CHANGE 4½ PIPE RAMS TO 7"

DRILLER Clifford Johnson

DRILLING CREW PAYROLL DATA

DATE 2-29-72

WELL NAME & NO. Amoco Condex Shebl Red Dog A-1

COMPANY Thomson

TOOL PUSHER GR Crumly RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 446	Clint Campbell	8
MTRMAN	614 941 189	Keith Dixon	8
FIREMAN			
FLRMAN	610 468 913	Ed Bassey	8
FLRMAN	603 143 918	Doug Burke	8
FLRMAN	607 493 236	Dalzyl Morrison	8 14
Welder	706 710 472	Jim Desjarlais Charge 2 hrs to Kops	9

NO. OF DAYS 341 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ____ P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	603 294 467	RICK BELAIR	12
MTRMAN	608 920 554	WILBERT SIMMIS	8
FIREMAN	613 779 636	CARL SCHILLER	12
FLRMAN	600 703 045	JOHN BAERT	8
FLRMAN			
FLRMAN		OVER TIME C/ENN & WASH TREAD ON CASING.	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

Form 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Shebl	A-1	Unit K Sec. 29	2-28-72
OPERATOR		CONTRACTOR	RIG NO.
Amoco Canada LTD		Thomson DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
W.K. Sawa.		H.R. Brumley	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	5 15/16	F.H		1	Emsco	D500	16
						2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 K55	17	750		

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS 1060 Ton M. 36 Trips

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7¾	5¼	
3	REAMING			
4	CORING			
5	CONDITION & CIRCULATE			1½
6	TRIPS		1½	2¼
7	LUBRICATE RIG	¼	¼	
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY		½	
11	WIRE LINE LOGS			4½
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	.80	FT.
1	Bit Sub	3.88	
	STB RMR OD		FT.
3	D.C. 9⅛ 6¼	90.00	FT.
1	SHOCK SUB OD	9.78	FT.
17	D.C. 9⅛ 6¼	498 67	FT.
	STB RMR OD		FT.
1	C/O Sub	1.71	
23	STANDS DP	2160.70	FT.
	SINGLES DP		FT.
	KELLY DOWN	41.00	FT.
	TOTAL	2806	FT.
WT. OF STRING		80.000	LBS.

BIT RECORD

BIT NO.	18RR
SIZE	7⅞
MFG.	HW
TYPE	J44
JETS 1/32"	000
SER. NO.	FD876
DEPTH OUT	
DEPTH IN	2634
TOTAL FTG.	172
TOTAL HRS. RUN	10¾
COND. 1/8's T/B/ GAGE	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	750 C.F.M 15 BBLS MIN.
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	45 gal		
CALGON	16#		
DRISPAC	60#		
HAGA THREAT	16#		

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	Bit Sub	3.88	
	STB RMR OD		FT.
3	D.C. ID OD	90.00	FT.
1	SHOCK SUB OD	9.78	FT.
17	D.C. ID OD	498.67	FT.
	STB RMR OD		FT.
1	C/O SUB	1.71	
24	STANDS DP	2296.00	FT.
1	SINGLES DP	30.54	FT.
	KELLY DOWN	40.00	FT.
	TOTAL	2978.00	FT.
WT. OF STRING		88,000	LBS.

BIT RECORD

BIT NO.	18RR
SIZE	7⅞
MFG.	HW
TYPE	J-44
JET 1/32"	NONE
SER. NO.	FD876
DEPTH OUT	
DEPTH IN	2634
TOTAL FTG.	275
TOTAL HRS. RUN	16¼
COND. 1/8's T/B/ GAGE	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	750. CU FT. MIN
PV/YP	
GELS.	15 BBL MIN
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	35 gal		
CALGON	26#		
DRISPAC	25#		
HAGATREAT	26#		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.80	FT.
1	Bit SUB	3.88	
	STB RMR OD		FT.
3	D.C. 9⅛ 6¼	90.00	FT.
1	SHOCK SUB OD	9.78	FT.
17	D.C. 9⅛ 6¼	498.67	FT.
	STB RMR OD		FT.
1	C/O SUB	1.71	
24	STANDS DP	2256.00	FT.
1	SINGLES DP	30.54	FT.
	KELLY DOWN	40.00	FT.
	TOTAL	2929.	FT.
WT. OF STRING		80.000	LBS.

BIT RECORD

BIT NO.	18RR
SIZE	7⅞
MFG.	H.W
TYPE	J44
JETS 1/32"	NONE
SER. NO.	FD876
DEPTH OUT	2929
DEPTH IN	2634
TOTAL FTG.	295
TOTAL HRS. RUN	16¼
COND. 1/8's T/B/ GAGE	1 8 1

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	750 C.F.M
PV/YP	
GELS.	15 BBLS MIN
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE

FROM	TO	DR.-D RN.-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 PART.-P COMP.-C
2681	3806	D			40	30-40	700		AIR	DRLG		

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0115	¼		Rig Ser. R - 8½ hrs } Bit # 18 total
0115	2400	7¾		DRLG 7⅞ hole D - 24 hrs } to date.

DRILLER Fred. Kostynuk

FOOTAGE

FROM	TO	DR.-D RN.-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 PART.-P COMP.-C
2806	2929	D			40	30	600		AIR FOAM	DRLG		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2920	2¾							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0900	1		DRLG
0900	0930	½		Rig Service ¼ hr. B.O.P. check ¼ hr.
0930	1400	4½		Drlg
1400	1430	½		Survey
1430	1600	1½		Trip out to 1400'. Drill foam out water
				Held safety meeting & Blow out drill

DRILLER Clifford Johnson

FOOTAGE

FROM	TO	DR.-D RN.-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 PART.-P COMP.-C
2929				Pipe Tally 2931.71	40	30	600	AIR Foam Drilling.				
				Board " 2930.58								
				Deff 1.13								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2920	2¾							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾		Run in to Bottom
1645	1745	1		Break Circ w/ air foam & Circ w/ Shale
1745	1815	½		Chase Foam w/ 200 Bbls water.
1815	1945	1½		Blow Kelly Hoist & Log
1945	2400	4¼		Rig up to Log w/ Schlumberger & Logging.
				Held Safety meeting

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 2-28-72
WELL NAME & NO. Amoco Candex Shebl Red Dog #1
COMPANY Thomson Drlg
TOOL PUSHER H.R. Brumley RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	FRED KOSTYNUK	8
DRKMAN	601 439 276	Phil Celinas	8
MTRMAN	608 432 258	GARY BOWMAN	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8½
FLRMAN	617 514 842	WAYNE LEWIS	8½
FLRMAN			

Held safety meeting

NO. OF DAYS ___ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 00 A.M. 4 00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 44 7460	CLIFFORD JOHNSON	8
DRKMAN	600 703 466	CLINT CAMPBELL	8
MTRMAN	614 961 149	KEITH OPOM	8
FIREMAN			
FLRMAN	610 461 913	ED BROZNY	9
FLRMAN	603 143 914	DOUG BURKE	8
FLRMAN	607 493 736	DERYL NORMAN	8
Welder	706 710 472	Jim Desjarlais	8

charge 2 hrs to Kaps

NO. OF DAYS 340 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 00 P.M. 12 00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 613	PAUL JACOB	8
DRKMAN	618 284 467	RICK BELAIR	8
MTRMAN	608 820 554	WILBERT SIMMS	8
FIREMAN			
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN	600 779 636	JOHN BAERT	8
FLRMAN			

NO. OF DAYS 325 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Shell	A-1	Unit K - Sec. 29	2-27-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada LTD		Thomson DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
K.A. Sami		H.R. Grundy	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	5½-6	F.H		1	Emsco D500	D500	16
						2	National	1250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		24 K55	17	750		

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	

FT. CUT OFF — PRESENT LENGTH 4680

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS 35 TRIPS 1023 TM

DRILLING CREW PAYROLL DATA

DATE 2-27-72

WELL NAME & NO. Amoco Candex Shell Red Dog A-1

COMPANY Thomson DRLG.

TOOL PUSHER H.R. Grundy RIG NO.

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			3
3	REAMING			3½
4	CORING	2¾	2¾	7
5	CONDITION & CIRCULATE	3/4		1½
6	TRIPS	3¼	2¾	
7	LUBRICATE RIG	1/4	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			3/4
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
22	Break Core Bbl. 1 / Change O-Ring on Quill Adapter			3/4

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

MRS. W/CONTR. D.P.

MRS. W/OPR. D.P.

MRS. W/O D.P.

MRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
19	BIT		.30	FT.
1	Core bbl.		34.82	
1	STB RMR Sub	OD	.78	FT.
1	STB RMR Sub	OD	3.88	FT.
1	STB RMR JARS	OD	7.52	FT.
11	D.C. 6⅛	ID	323.97	FT.
	STB RMR	OD		FT.
23	STANDS DP		2160.60	FT.
2	SINGLES DP		63.15	FT.
	KELLY DOWN		31.00	FT.
	TOTAL		2617	FT.
	WT. OF STRING		70.000	LBS.

BIT RECORD

BIT NO.	1 RR
SIZE	6⅛ x 3½
MFG.	Smith
TYPE	D
JETS 1.32"	
SER. NO.	452502
DEPTH OUT	
DEPTH IN	2605
TOTAL FTG.	12
TOTAL HRS. RUN	3¾
COND. 1/8's T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

750 CFM
15 gal/ min

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	20 gal		
DRISPAC	30#		
Calgon	20#		
Hagatreat	20#		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	sub		3.88	
3	STB RMR Q.R.	OD	90.00	FT.
1	D.C. Stuck JD Sub	OD	9.78	FT.
17	STB RMR QC	OD	498.67	FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
	STANDS DP		1973.77	FT.
	SINGLES DP			FT.
	KELLY DOWN		38.00	FT.
	TOTAL		2605.00	FT.
	WT. OF STRING			LBS.

BIT RECORD

BIT NO.	1 RR
SIZE	6¼ x 3¼
MFG.	Smit
TYPE	D
JET 1/32"	
SER. NO. -	452502
DEPTH OUT	2634
DEPTH IN	2605
TOTAL FTG.	29'
TOTAL HRS. RUN	5½
COND. 1/8's T/B' GAGE	Fair/Good.
GPM/ PD-PSI	

Top of Rat Hole

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	750 cu ft/min
pH	15 gal/min
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	Regul.		
DRISPAC	36#		
CALGON	12#		
HAGATREAT	12#		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		.80	FT.
1	SUB		3.88	
3	STB RMR	OD	90.00	FT.
1	D.C. 6¼ Shock Sub	OD	9.78	FT.
17	D.C. 6¼ STB RMR QC	OD	498.67	FT.
1	X.O. SUB		1.71	
21	STANDS DP		1973.84	FT.
2	SINGLES DP		62.30	FT.
	KELLY DOWN		41.00	FT.
	TOTAL		2681.	FT.
	WT. OF STRING		90.000	LBS.

BIT RECORD

BIT NO.	1 RR
SIZE	7⅞
MFG.	H.W
TYPE	J44
JETS 1/32"	NONE
SER. NO.	F0896
DEPTH OUT	
DEPTH IN	2634
TOTAL FTG.	47
TOTAL HRS. RUN	3
COND. 1/8's T/B' GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	750 CU FT/MIN
pH	15 GAL/MIN
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	39#		
DRISPAC	70 lbs		
CALGON	8#		
HAGATREAT	8#		

MORNING TOUR

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 FOR LOGS, PARTIAL P OR COMPLETE
2605	2617	C			56	8	600	AIR	DRLG.			
					72	10	600					

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0045	1/4		Rig Ser.
0015	0200	1¾		Displace pipe w/water pulled out to core
0200	0300	1		Break down core bbls lay down 1
0300	0430	1½		Run in to cut core # 4
0430	0515	¾		Break Circ. clean to bottom
0515	0800	2¾		Cut core # 4

DRILLER J. Kostynuik

DAY TOUR

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 FOR LOGS, PARTIAL P OR COMPLETE
2617	2634	C		Core #4 2605-2634 C 29' Rec. 29'	80	10M	600					

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1045	2¾		Cutting core # 4
1045	1230	1¾		Hoist after displacer w/ water
1230				Recover core + Box core # 4 lay down core
	1345	1¼		Bbl. CORE # 4 2605/2634
1345	1415	½		Run in DCs C-29' R-29'
1415	1445	½		Rig Ser. + check B.O.P.s.
1445	1530	¾		Change rubber on rotating head
1530	1600	½		Run in

DRILLER Clifford Johnson

EVENING TOUR

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 FOR LOGS, PARTIAL P OR COMPLETE
2605	2634	R			40	6	750 CU FT. MIN AIR Drill.					
2634	2681	D			40	30-40						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2675	3							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	1/4		Rig Serv.
1615	1645	½		Break Circ w/ Rig
1645	2015	3½		Ream Rat Hole
2015	2315	3		Drilling
2315	2400	¾		Circ to survey and survey

DRILLER Paul Jacob

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 478	Fred Kostynuk	8
DRKMAN	601 459 276	Phil Gelinas	8
MTRMAN	608 432 358	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robert Brooks	8
FLRMAN	617 514 542	Wayne Lewis	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 999 760	Clifford Johnson	10
DRKMAN	600 703 486	Clint Campbell	8
MTRMAN	615 941 189	Keith Owen	10
FIREMAN			
FLRMAN	610 546 913	Ed Bragny	8
FLRMAN	603 143 915	Doug Burke	8
FLRMAN	607 593 236	Derek Morman	10
Welder	706 710 472	Jim Desjarlais	10

Over time help make 4½ pipe for 3½ pipe
Charge 5 hrs to Kaps trucking

NO. OF DAYS 339 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 603	Paul Jacob	8
DRKMAN	608 284 467	Rick Blair	8
MTRMAN	608 830 554	Wilbert Simms	8 1½
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8 1½
FLRMAN	600 703 045	John Baert	8
FLRMAN			

Over time help move pipe
to unload 3½ string

NO. OF DAYS 324 SINCE LAST LOST TIME ACCIDENT

FORM 375 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

KODAK SAFETY ▲ FILM + ▲

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Red Dog	A-1	Unit K - Section 29	2-26-72.
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada LTD		Thomson Drlg.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R Adams		GR Grumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.16	E	5½-6	FH		1	Emsco	D 500	16
						2	National	C 250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 K55	17	750		

WIRE LINE RECORD REEL NO. 1

SIZE	NO. LINES	FT. SLIPPED
1 1/4	8	

FT. CUT OFF — PRESENT LENGTH 4680

TON MI. OR TRIPS SINCE LAST CUT 256

CUMULATIVE TON MI. OR TRIPS 986

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	3	5¼	5
3	REAMING	4¾		
4	CORING			
5	~~CONDITION MUD~~ & CIRCULATE			¾
6	TRIPS			2
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			1
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	NO FLOW CHECK			1¼
22				
23				

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING 0:15; E. TESTING; F. ADDIT'NL; G.

TOTALS 8 8 8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
1	BIT	.80 FT.	BIT NO.	18
1	Bit Sub	3.88	SIZE	7⅞
	STB RMR OD	FT.	MFG.	HW
3	D.C. 6¼ ID 2¼ OD	90.00 FT.	TYPE	DTA
1	SAFETY Stab Sub	9.78 FT.	JETS 1 32nds	Nib
17	D.C. 6¼ ID 2¼ OD	498.62 FT.	SER. NO.	F0876
	STB RMR OD	FT.	DEPTH OUT	
1	X-O sub	1.71	DEPTH IN	
			TOTAL FTG.	30
			TOTAL HRS. RUN	3
19	STANDS DP	1785.25 FT.	COND. 1/8's T/B/ GAGE	
1	SINGLES DP	31.50 FT.	GPM/ PD-PSI	
	KELLY DOWN	39 FT.		
	TOTAL	2461 FT.		
WT. OF STRING		80.000 LBS.		

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.	350 CFM		
pH	15 gals/min		
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.
Soap	40gal		
Calgon	16#		
Drispac	50#		
Hagatreat	16#		

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	.80 FT.	BIT NO.	19
1	Bit Sub	3.88	SIZE	7⅞
	STB RMR OD	FT.	MFG.	HW
3	D.C. 6¼ ID 2¼ OD	90.00 FT.	TYPE	544
1	SAFETY Shock SUB OD	9.78 FT.	JET 1/32nds	NONE
17	D.C. 6¼ ID 2¼ OD	498.62 FT.	SER. NO.	F0876
	STB RMR OD	FT.	DEPTH OUT	
1	X-O SUB	1.71	DEPTH IN	2395
			TOTAL FTG.	108
			TOTAL HRS. RUN	8¼
20	STANDS DP	1879.45 FT.	COND. 1/8's T/B/ GAGE	DRLG
1	SINGLES DP	30.16 FT.	GPM/ PD-PSI	
	KELLY DOWN	24.48 FT.		
	TOTAL	2539.00 FT.		
WT. OF STRING		79000 LBS.		

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.	350 CU. FT/MIN		
pH	15 gal MIN		
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.
SOAP	36 gal		
CALGON	24#		
DRISPAC	60#		
HAGATREAT	24#		

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	.80 FT.	BIT NO.	18
1	Bit SUB	3.88	SIZE	7⅞
	STB RMR OD	FT.	MFG.	H.W
3	D.C. 6¼ ID 2¼ OD	90.00 FT.	TYPE	J44
1	SAFETY Shock SUB OD	9.78 FT.	JETS 1/32nds	NONE
17	D.C. 6¼ ID 2¼ OD	498.62 FT.	SER. NO.	F0876
	STB RMR OD	FT.	DEPTH OUT	2605
1	X-O SUB	1.71	DEPTH IN	2395
			TOTAL FTG.	210
			TOTAL HRS. RUN	13¼
21	STANDS DP	1973.62 FT.	COND. 1/8's T/B/ GAGE	
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	29.00 FT.		
	TOTAL	2605 FT.		
WT. OF STRING		80.000 LBS.		

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT	750	CU FT/MIN	
VISC.-SEC.	600	Funnel	
PV/YP	15	5 Spdr.	
GELS.			
WL -CC'S.	350	CU. FT. MIN	
pH	15	gal MIN	
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.
SOAP	26 gal		1
CALGON	13 #		
DRISPAC	13 #		
HAGATREAT	13 #		

MORNING TOUR

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 WIRE LINE PAPER CONTRACT
2395	2431	R			35	6	300	AIR DRLG.				
2431	2461	D			40	8	300					
					AD	30	325	Air DRLG.				

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
001	030	½		Ream rathole 6 M-O-N bit 35 RPM.
030	045	¼		Rig Ser.
045	0500	4¼		Ream rathole 6⅛ to 7⅞ 8 M-O-N bit 40 RPM
0500	0800	3		DRLG 7⅞ hole

DRILLER J. Kostynuk

DAY TOUR

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 WIRE LINE PAPER CONTRACT
~~2375~~		D			40	30	300	AIR	DRLG			
2461	2539	D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2452	3°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	0530	½		R.C SERVICE & B.O.P CHECK
0530	0930	1		DRLG
0930	1030	1¼		SURVEY
1030	1200	1½		DRLG
1200	1315	1¼		FOND FLUID LEVEL @ 1150'
1315	1600	2¾		DRLG

wtr. & fill chg ¼ hr.

DRILLER J. Johnson

EVENING TOUR

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 WIRE LINE PAPER CONTRACT
2539	2587½	D			40	30	300	AIR	DRLG			
2587	2605	D					600	~~SOAP~~		AIR	DRILL	

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾		Drilling
1645	1700	¼		Rig SERV
1700	2115	4¼		Drilling
2115	2200	¾		Circ To CORE
2200	2400	2		CHASE FOAM W/WATER BLOW KELLY HOIST To cut CORE No4. KILL ANNULUS AIR BLOW. ANNULUS BLEW AIR PAST STRIPPER

WATSON AIR ½

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 2-26-72
WELL NAME & NO. Amoco Candex Shell Red Dog A-1
COMPANY Thomson Drlg.
TOOL PUSHER GR Grumly RIG NO. 19.

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 204 498	J. Kostynuk	8
DRKMAN	601 409 276	Phil Selinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4 00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD JOHNSON	8
DRKMAN	600 703 486	CLINT CAMPBELL	8
MTRMAN	604 961 189	KEITH ORam	8
FIREMAN			C
FLRMAN	610 481 913	EO BROZNY	8
FLRMAN	603 143 918	DOUG BURKE	8
FLRMAN	607 483 236	DERYL NORMAN	8
Welder	706 710 472	Jim Desjardins	8

NO. OF DAYS 338 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 00 P.M. 12 00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 645	PAUL JACOB	8
DRKMAN	618 284 467	RICK BETNIR	8
MTRMAN	608 800 554	WILBERT SIMMS	8
FIREMAN	613 779 126	CARL SCHILLER	8
FLRMAN	600 703 045	JOHN DAERT	8
FLRMAN			
FLRMAN			

NO. OF DAYS 323 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Red Dog	A-1	Unit K section 29	2-25-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD.	Thomson DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H Bames.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		24 K55	17	750		

SIZE 1/8 — NO. LINES 8 — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS 965 - 33 TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			1/4
4	CORING	3½	3¾	8
5	CIRC. MUD & CIRCULATE	½		3¼
6	TRIPS	3¼		3¼
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING		8	
20	DIR. WORK			
21	Orientation			
22	Rec. Core	¾		1
23				

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'NL; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
1	BIT	.30 FT.	BIT NO.	17 RR
2	Core bbls	64.28	SIZE	6⅛ x 3½
1	STB RMR Sub 5¾ OD	.78 FT.	MFG.	Smith
1	DC Sub OD	3.88 FT.	TYPE	
1	STB RMR JARS OD	7.52 FT.	JETS 1/32"	
10	D.C. ID 6⅛ OD	294.54 FT.	SER. NO.	452502
1	STB RMR Sub OD	1.71 FT.	DEPTH OUT	
			DEPTH IN	2403
21	STANDS DP	1973.17 FT.	TOTAL FTG.	3
1	SINGLES DP	31.45 FT.	TOTAL HRS. RUN	
	KELLY DOWN	35 FT.	COND. 1/8" T/B GAGE	
	TOTAL	2041 FT.	GPM/ PD—PSI	/ /
WT. OF STRING		64.000 LBS.		

MUD RECORD: TIME; WEIGHT; PRESSURE GRADIENT; VISC.—SEC.; PV/YP; GELS; WL —CC'S. 350 CFM; pH 15 gals min.; SOLIDS %

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	21 lbs		
Calgon	14#		
Drispac	21#		
Hagatreat	14#		

NO.	DRILLING ASSEMBLY		BIT RECORD	
1	BIT	30 FT.	BIT NO.	17 RR
2	Core BBL	64.28	SIZE	6⅛ x 3½
1	STB RMR Sub OD	.78 FT.	MFG.	Smith
1	DC Sub OD	3.88 FT.	TYPE	◇
1	STB RMR JARS OD	7.52 FT.	JET 1/32"	
10	D.C. ID 6⅛ OD	294.54 FT.	SER. NO.	452502
1	STB RMR Sub OD	1.71 FT.	DEPTH OUT	
			DEPTH IN	2403
21	STANDS DP	2045.57 FT.	TOTAL FTG.	25
2	SINGLES DP	62.00 FT.	TOTAL HRS. RUN	10¾
	KELLY DOWN	19.42 FT.	COND. 1/8" T/B GAGE	
	TOTAL	2426.99 FT.	GPM/ PD—PSI	/ /
WT. OF STRING		64,000 LBS.		

MUD RECORD: TIME; WEIGHT; PRESSURE GRADIENT; VISC.—SEC.; PV/YP; GELS; WL —CC'S. 350 CFM 15 gals min.; pH; SOLIDS %

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	45 lbs		
CALGON	36#		
DRISPAC	75#		
HAGATREAT	30#		

NO.	DRILLING ASSEMBLY		BIT RECORD		
	BIT	.80 FT.	BIT NO.	17 RR	18
1	Dir. Sub	3.88 FT.	SIZE	6⅛	7⅞
1	STB RMR OD	FT.	MFG.	Smith	H.W
3	DC 3496⅛ OD	90.00 FT.	TYPE	◇	J-44
1	Shock Sub	9.78 FT.	JETS 1/32"	3½	N/L
17	D.C. ID OD	498.62 FT.	SER. NO.	452502	FD876
	STB RMR OD	FT.	DEPTH OUT	2431	
1	X.O. Sub	1.71	DEPTH IN	2407	2394
			TOTAL FTG.	28	
			TOTAL HRS. RUN	12¾	
18	STANDS DP	1690.51 FT.	COND. 1/8" T/B GAGE	good	
2	SINGLES DP	63.21 FT.	GPM/ PD—PSI		
	KELLY DOWN	37.00 FT.			
	TOTAL	2395 FT.			
WT. OF STRING		79.000 LBS.			

MUD RECORD: TIME; WEIGHT; PRESSURE GRADIENT; VISC.—SEC.; PV/YP; GELS; WL —CC'S.; pH; SOLIDS %

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR—D RM—R CORE—C	CORE NO.	FORMATION	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 PACKED COMPLETE
2402	2410	C			80	8-10	300	AIR DRLG.				

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	0230	½		Cut. core # 2. 2394-2409 C-9, R-9'
0230	0215	13¼		Trip out with core #2.
0215	0300	¾		Recover Core #2, Core vertically fractured and Rig Ser. ¼ Jammed in inner bbl, recovery is very rubbley
0300	0430	1½		Run core bbl for core #3.
0430	0500	½		Circ. clean to bottom.
0500	0800	3		CUT Core # 3

DRILLER: Paul Jacob

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR—D RM—R CORE—C	CORE NO.	FORMATION	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 PACKED COMPLETE
2410	2428	C			80	10	300	AIR DRLG				

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0945	3¼		Cut Core #3
0945	1030	¾		Connection, Rig Service ¼ hr
1030	1600	5½		cut core #3

(CORE #3 2403 -2431 Cut 28' Rec 28')

DRILLER: Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR—D RM—R CORE—C	CORE NO.	FORMATION	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 PACKED COMPLETE
2394	2395	R.			38	2	300	AIR.				
2428	2431	C										

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1800	2		CUT CORE #3.
1800	1930	1½		CHASE FOAM W/ WATER HOIST CORE No. 3
1930	2030	1		RECOVER CORE No 3 AND STAND BACK CORE BBL IN
2030	2045	¼		Rig SERV CHECK BLIND RAMS BERRICK
2045	2300	2¼		PICK UP SHOCK SUB + 10 CALLIPERS OFF RACK RUN IN W/ Bit
2300	2345	¾		BREAK
2345	2400	¼		REAMING Rat Hole.

DRILLER: Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 2-25-72

WELL NAME & NO. Amoco Candex Shell Red Dog

COMPANY Thomson DRLG.

TOOL PUSHER _____ RIG NO. 19.

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 478	Fred. Kostynuk	8
DRKMAN	601 499 276	Phil Gelinas	8
MTRMAN	608 422 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 974	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 9 A.M. — 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	
DRKMAN	600 703 446	Clint Campbell	
MTRMAN	613 961 559	Keith Dixon	
FIREMAN			
FLRMAN	610 761 913	Ed Bragny	
FLRMAN	603 143 978	Doug Burke	
FLRMAN	607 493 336	Daryl Norsman	
Welder	706 710 472	Jim Desgarlais	8

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 645	Paul Jacob	8
DRKMAN	609 920 554	Wilbert Simms	8
MTRMAN	~~[illegible]~~	~~[illegible]~~	~~8~~
FIREMAN	613 284 467	Rick Belair	8
FLRMAN	613 774 636	Carl Schiller	8
FLRMAN	600 703 045	John Baert	8
FLRMAN			

~~Rick Belair transferred to Pole~~ Court.

NO. OF DAYS 322 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Candex Red Dog	A-1		2-24-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD	Thomson DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
B Kawi	GR Trumbly

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4 1/2	16.6	E	5 1/2-6	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D 500	16
2	National	C 250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 K55 ST	17	750		

SIZE	NO. LINES	FT. SLIPPED
1/8	8	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT: 173

CUMULATIVE TON MI. OR TRIPS: 902.7 - 30 trips

DRILLING CREW PAYROLL DATA

DATE Feb. 24-72

WELL NAME & NO. Amoco Candex Shebib Red Dog A-1

COMPANY Thomson DRLG

TOOL PUSHER GR Trumbly — RIG NO. 19

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostyniuk	8
DRKMAN	601 489 276	Phil Molinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	#12
FLRMAN	617 514 847	Wayne Lewis	8
FLRMAN			

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING		3	
4	CORING	5 3/4	8	2 1/2
5	CONDITION & CIRCULATE	3/4	1/2	1 1/2
6	TRIPS	1 1/4	3 3/4	3 1/2
7	LUBRICATE RIG	1/4	1/4	1/4
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		1/4	1/4
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22	& recover core		1 1/4	
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
1	Core bbl.	34.82	
1	STB RMR Sub 5 3/4	.78	FT.
1	RMR Sub 6 1/4	3.58	FT.
1	STB RMR TaRS OD	7.52	FT.
10	D.C. ID 2 1/6 6 1/4	294.54	FT.
1	STB RMR Collar OD	11.90	FT.
1	C/O Sub	1.71	
21	STANDS DP	1973.96	FT.
1	SINGLES DP	31.45	FT.
	KELLY DOWN	33	FT.
	TOTAL	2393	FT.
	WT. OF STRING	66.000	LBS.

BIT RECORD

BIT NO.	17
SIZE	6 1/8 x 3 1/2
MFG.	Smit
TYPE	◇
JETS 1/32"	
SER. NO.	452502
DEPTH OUT	2368
DEPTH IN	2368
TOTAL FTG.	33
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

350 CFM
15 gals min.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	3 gal		
Drispac	50#		
Calgon	13#		
Hagatrect	13#		

MORNING TOUR

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. PART'L P. COMB.
2368	2393	C			80	8-10	300	AIR DRLG.				

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	0015	1/4		Rig Ser
0015	0100	3/4		TRIP IN w/ Core bbl.
0100	0145	3/4		Break cir
0145	0730	5 3/4		CUT core #1
0730	0800	1/2		Break off core pump water to Kill Form

DRILLER Fred Kostyniuk

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT sub.	3.68	
1	C.O.	1.78	
	STB RMR OD		FT.
10	D.C. ID OD	294.54	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
22	STANDS DP	1964.49	FT.
	SINGLES DP		FT.
	KELLY DOWN	28.40	FT.
	TOTAL	2394.00	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	RR#6
SIZE	7 7/8
MFG.	HW
TYPE	X1G
JET 1/32"	N/A
SER. NO.	33008
DEPTH OUT	2394
DEPTH IN	2368
TOTAL FTG.	1
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	2 1/2 gal		
DRISPAC	25#		
CALGON	14#		
HAGATREAT	11#		

DAY TOUR

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. PART'L P. COMB.
2368	2393	R										
2393	2394	D										

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0915	*1 1/4	+	Trip out with Core Bbl
0915	1030	*1 1/4	-	Handle core, + lay down Core Bbl
1030	1045	*1/4	-	Rig Service
1045	1100	*1/4	-	B.O.P. check CUT 25' R-25'
1100	1200	*1	*	Run in
1200	1230	*1/2	-	Break circ
1230	1530	3	x	Ream 90' to hole. Drill 1 ft.
1530	1600	*1/2	-	Run Kill Joint + Blow lines + Testing

DRILLER Fred Johnson Jr.

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 800 A.M. 400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Ford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	614 961 189	Keith OAom	8
FIREMAN			
FLRMAN	610 461 913	Ed Brazny	8
FLRMAN	603 143 918	Doug Burke	8
FLRMAN		Darryl Morrison	8
Welder	706 710 472	Jim Desjarlais In charge Kapa	WAIVED
		Work on Shaker	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT	30	FT.
	Core bbl	64.28	
1	STB RMR SUB 5 3/4	.78	FT.
1	RMR SUB 6 1/4	3.88	FT.
1	STB RMR TaR OD	7.52	FT.
10	D.C. ID 2 1/6 6 1/4	294.54	FT.
	STB RMR OD		FT.
1	XOSUB	1.71	
21	STANDS DP	1973.12	FT.
1	SINGLES DP	31.45	FT.
	KELLY DOWN	25.00	FT.
	TOTAL	2402.28	FT.
	WT. OF STRING	64,000	LBS.

BIT RECORD

BIT NO.	RR#6	17RR
SIZE	7 7/8	6 1/8
MFG.	H.W	SMIT
TYPE	X1G	◇
JETS 1/32"	NONE	3 1/2
SER. NO.	33008	452502
DEPTH OUT	2394	
DEPTH IN		2394
TOTAL FTG.	1	
TOTAL HRS. RUN		
COND. 1/8's T/B/ GAGE	4 1 1	
GPM/ PD-PSI		

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	350 Cu. Ft. min
SOLIDS %	15 gal min

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	24 gal		
DRISPAC	40#		
CALGON	15#		
HAGATREAT	15#		

EVENING TOUR

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. PART'L P. COMB.
2394	2402	C	2		80	4-6	250	AIR				

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		FINISH OUT
1700	1730	1/2		Rig SERV (1/4 HRS) CHECK B.O.P. BLIND RAMS (1/4 HR)
1730	1830	1		PICK UP CORE BBLS AND JARS MAKE UP SAME
1830	2000	1 1/2		RUN IN TO CUT CORE NO 2
2000	2130	1 1/2		BREAK CIRC. CLEAN 8' TO BOTTOM
2130	2400	2 1/2		CUTTING CORE NO. 2.

DRILLER Paul Jacob

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 1600 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	604 221 [illegible]	Paul JACOB	8
DRKMAN	608 820 584	WILBER SIMMS	8
MTRMAN	600 703 045	JOHN BOERT	8
FIREMAN			
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN	603 143 918	DOUG BURKE	4
FLRMAN			

NO. OF DAYS 321 SINCE LAST LOST TIME ACCIDENT

Form 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condex Red Dog	A-1		2/23-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD	Thomson DRLG.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.A. Barnes

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G.R. Crumly

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D 500	16
2	NATIONAL	C 250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		24 K55	17	750		

WIRE LINE RECORD: SIZE 1/8; NO. LINES 8; FT. SLIPPED; FT. CUT OFF; PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 2-23-72

WELL NAME & NO. Amoco Condex Shebb Red Dog A-1

COMPANY Thomson DRLG

TOOL PUSHER G.R. Crumly — RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3¼	7½	3
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	2		4½
7. LUBRICATE RIG		¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		¼	¼
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
Check coll	3		
Ream	2¼		
23.			

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. NO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.80 FT.
1	Sub		3.88 FT.
	STB RMR	OD	FT.
10	D.C. ID	OD	294.54 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
1	Shock Sub		9.77 FT.
1	Sub		1.71 FT.
21	STANDS DP		1972.38 FT.
	SINGLES DP		FT.
	KELLY DOWN		18 FT.
	TOTAL		2295 FT.
WT. OF STRING			60.000 LBS.

BIT RECORD

BIT NO.	15	16
SIZE	7⅞	7⅞
MFG.	HW	HW
TYPE	OW	ODV
JETS 1/32"	0 0 0	0 0 0
SER. NO.	33957	33958
DEPTH OUT	2291	
DEPTH IN	2213	2291
TOTAL FTG.	78	3
TOTAL HRS. RUN	10¾	½
COND. 1/8's T/B/ GAGE	4 6 1	
GPM/ PD-PSI	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	350 CFM		
SOLIDS %	15 gal/min		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	10 Gal		
DRISPAC	10 #		
Calgon	5 #		
Hagan Lignite	5 #		

MORNING TOUR

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'L P DUMP BAIL
2290	2295	D			90	10-15	2275					

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0015	¼		Drill.
0015	0200	1¾		MAKE CONNECTION, REAM TO BOTTOM, TORQUE UP (3 cones locked)
0200	0300	1		TRIP OUT.
0300	0600	3		Tubescope collars subs + Kelly + Kelly cock.
0600	0700	1		Run in hole w/ new bit
0700	0730	½		Clean to bottom.
0730	0800	½		DRLG

DRILLER: G.R. Crumly

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	8
DRKMAN	601 459 276	Phil Gelinas	8
MTRMAN	608 462 258	Gary Baumann	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	SUB		3.88 FT.
	STB RMR	OD	FT.
10	D.C. ID	OD	294.54 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
1	Shock Sub		9.77 FT.
1	Co Sub		1.71 FT.
21	STANDS DP		1972.36 FT.
1	SINGLES DP		35.55 FT.
	KELLY DOWN		31.19 FT.
	TOTAL		2346 FT.
WT. OF STRING			60,000 LBS.

BIT RECORD

BIT NO.	16
SIZE	7⅞
MFG.	HW
TYPE	ODV
JET 1/32"	NONE
SER. NO.	33956
DEPTH OUT	
DEPTH IN	2291
TOTAL FTG.	56
TOTAL HRS. RUN	8
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/
GELS.	/
WL -CC'S.	/
pH	350 CU.FT. MIN
SOLIDS %	15 GAL MIN

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	45 gal		
DRISPAC	20 #		
Calgon	32 #		
HALGANTREAT	32 #		

FOOTAGE

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS G/R	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SOL-S PARTIAL P COMPLC
2295	2346	D			90		275					

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1030	2½		Drlg
1030	1100	½		Rig Service, BOP check ½ hr
1100	1600	5		Drlg

DRILLER: [illegible]

DAY TOUR — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford A Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	614 961 469	Keith Orom	8
FIREMAN			
FLRMAN	610 461 913	Ed Brezny	16
FLRMAN	603 143 915	Doug Burke	8
FLRMAN			
Welder	706 710 472	J. Desarlais — Tool Dresser charge 1 hr; Welders time 3 hrs; charge to Kaipo work on Cat Camp unit	8

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		.80 FT.
1	B. SUB		3.88 FT.
	STB RMR	OD	FT.
10	D.C. ID 6¼	OD	294.54 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
1	Shock S.		9.77 FT.
1	SUB		1.71 FT.
21	STANDS DP		1973.96 FT.
2	SINGLES DP		63.00 FT.
	KELLY DOWN		23.00 FT.
	TOTAL		2369.96 FT.
WT. OF STRING			60.000 LBS.

BIT RECORD

BIT NO.	16
SIZE	7⅞
MFG.	H.W
TYPE	ODV
JETS 1/32"	NONE
SER. NO.	33958
DEPTH OUT	2368
DEPTH IN	2291
TOTAL FTG.	77
TOTAL HRS. RUN	11
COND. 1/8's T/B/ GAGE	4 6 2 1
GPM/ PD-PSI	/

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/
GELS.	/
WL -CC'S.	350 CU.FT. MIN
pH	15 gal min
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	2 Gals		
DRISPAC	35#		

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 PARTIAL P COMPLC
2346	2368	D			90	15	275					

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Drilling
1630	1700	½		Rig serv (¼ hrs) check B.O.P. (¼ hrs)
1700	1930	2½		Drilling.
1930	2000	½		Chase foam w/ water Blow Kelly
2000	2100	1		Hoist to run core No 1 strap out.
2100	2230	1½		Pick up core BBls. and serv same
2230	2330	1		Pick up Jars 11 Foot Collars caliper RR sub B.O.P.
2330	2400	½		Run in

DRILLER: Paul Jacob

EVENING TOUR — 26 — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	16
DRKMAN	608 920 554	Wilbert Simms	16
MTRMAN	607 493 236	Derk Norman	16
FIREMAN		Carl Schiller	
FLRMAN	613 779 236	Carl Schiller	16
FLRMAN	602 703 045	John Baert	16
FLRMAN			
		Travelling Time Worked 1 Hr	8 HRS

NO. OF DAYS 320 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANDEX SHELL REDDOG	A-1		2/22/72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	THOMSON DRLG.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
T.A. Banis	G.R. Crumly

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½	6 FH.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D-500	16
2	NATIONAL	C-250	15

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	8 5/8		24 K55	17	750		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT 16

CUMULATIVE TON MI. OR TRIPS 844 T.M.

DRILLING CREW PAYROLL DATA

DATE FEB. 22/72

WELL NAME & NO. AMOCO CANDEX SHELL REDDOG A-1

COMPANY THOMSON DRLG.

TOOL PUSHER G.R. Crumly — RIG NO. 19

MORNING TOUR 1200 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 964 292	ANDREW BROZNY	8
FLRMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 305	EARL DOHERTY	8
FLRMAN			
FLRMAN			

NO. OF DAYS 294 SINCE LAST LOST TIME ACCIDENT

MORNING TOUR

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6¾	3¼	7¾
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	1	9	
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		¾	½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			¼
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. W.O. Tight hole / Repair Blowoutline			1 / ½
22.			

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS 8 8 8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT SUB		3.88 FT.
	STB RMR OD		FT.
10	6¾ OD		294.54 FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	SHOCK SUB		9.77
1	6¾ SUB		1.71
20	STANDS DP		1880.18 FT.
0	SINGLES DP		FT.
	KELLY DOWN		23.00 FT.
	TOTAL		2213.08 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	14
SIZE	7⅞
MFG.	HW
TYPE	ODV
JETS 1/32"	N I L
SER. NO.	33951
DEPTH OUT	2213
DEPTH IN	2051
TOTAL FTG.	162'
TOTAL HRS. RUN	18¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	35 qt/min
PV/YP	15
GELS	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	4 gal		
DRISPAC	75#		
CALGON	30#		
HALGATREAT	30#		

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
2145	~~2283~~ 2213	2			90	16	280	AIR	DRLG.			
~~0200~~	~~0215~~	~~½~~										

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0200	2		DRLG.
0200	0215	¼		RIG SER.
0215	0700	4¾		DRLG.
0700	0900	1		trip.

DRILLER Allen Thomas

NO. OF DAYS 294 SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.80 FT.
1	B.H. SUB		3.88
	STB RMR OD		FT.
10	D.C. 6¾ ID 6¼		294.54 FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	SHOCK SUB		9.77
1	6¾ SUB		1.71
20	STANDS DP		1877.28 FT.
1	SINGLES DP		31.50 FT.
	KELLY DOWN		18 FT.
	TOTAL		2239 FT.
WT. OF STRING			61,000 LBS.

BIT RECORD

BIT NO.	15
SIZE	7⅞
MFG.	HW
TYPE	ODU-J
JET 1/32"	N I L
SER. NO.	33957
DEPTH OUT	
DEPTH IN	2213
TOTAL FTG.	26
TOTAL HRS. RUN	3¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS	
WL -CC'S.	350 CFM
pH	15 gals min.
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	20 gal		
Calgon	10#		
Drispac	10#		
Hagatreat	10#		

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
2213.	2239				90	10	275					

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Finish trip out
0830	0900	½		Rig Ser ¼ / B.O.P's ¼
0900	0930	½		Work on Blowey line change gasket in barber
0930	1100	1½		Run in with new bit.
1100	0115	3¼		Drlg.
0115	0300	1¾		Survey missrun ¾ Work tight hole 1hr.
0300		1		Drlg

DRILLER F. Kostynuk

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 429 276	Phil Gelinas	8
MTRMAN	608 432 958	Gary Bowman	8
FIREMAN			
FLRMAN	615 231 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			
Welder	706 710 479	J. Desjardins	8

5 hrs welding for Kops on Kops trailer for Golpac

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	SUB	3.88	
	STB RMR OD		FT.
10	D.C. ID OD	294.54	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	SHOCK SUB	9.77	
1	C.O.	1.71	
20	STANDS DP	1879.76	FT.
2	SINGLES DP	62.55	FT.
	KELLY DOWN	36.52	FT.
	TOTAL	2289.	FT.
WT. OF STRING		61000	LBS.

BIT RECORD

BIT NO.	15
SIZE	7⅞
MFG.	HW
TYPE	ODU-J
JET 1/32"	N I L
SER. NO.	33957
DEPTH OUT	
DEPTH IN	2213
TOTAL FTG.	76
TOTAL HRS. RUN	10½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS	
WL -CC'S.	350 cu ft. min.
pH	15 gals. min.
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP		45 gals.	
CALGON		36 LBS.	
DRISPAC		50 LBS.	
HALGATREAT		36 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
2239	2290	D			90	10	275	AIR FOAM DRLG				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2252	3°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1900	3		Drlg
1900	1945	¾		Survey ½ Deg Rig Service ¼ hr
1945	2400	4¼		Drlg.

25% RETURNS 2000-2400

DRILLER Clifford Johnson

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	615 961 159	Keith Dion	8
FIREMAN			
FLRMAN	604 520 554	Wilbert Simms	8
FLRMAN	603 143 915	Doug Burke	8
FLRMAN			

NO. OF DAYS 934 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANDEX SHELL RED DOG	A-1		2/21/72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD.		THOMSON DRLG.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D Samms		GR Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		24 K55	17	750		750

SIZE 1¼ — NO. LINES 5 — FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH 4928

TON MI. OR TRIPS SINCE LAST CUT 99 T.M.

CUMULATIVE TON MI. OR TRIPS 728 T.M.

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5¾	5½	6
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	1¾	1½	
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			1¾
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	REAM TO BOTTOM	¾		
22	CLEAN & LAY DOWN	½		
23				
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/DPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — MORNING TOUR

NO.				BIT RECORD	
1	BIT SUB	3.88 FT.		BIT NO.	13
	STB RMR OD	FT.		SIZE	7⅞
10	D.C. ID 2¼ OD	294.54 FT.		MFG.	HW
	STB RMR OD	FT.		TYPE	ODDJ
	D.C. ID OD	FT.		JETS 1/32"	M I L
	STB RMR OD	FT.		SER. NO.	33959
1	DOG SUB	1.71 FT.		DEPTH OUT	2051
				DEPTH IN	2036
				TOTAL FTG.	15
				TOTAL HRS. RUN	5½
18	STANDS DP	1692.55 FT.		COND. 1/8's T/B/ GAGE	6 5 1
1	SINGLES DP	30.88 FT.		GPM/ PD-PSI	
	KELLY DOWN	28.00 FT.			
	TOTAL	2053.43 FT.			
WT. OF STRING		LBS.			

MUD RECORD — MORNING TOUR

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / /
GELS.	/ / /
WL-CC'S.	200 FT³/min.
pH	18 ft³/min. FLUID
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	55 gal.		
DRISPAC	90 #		
CALGON	35 #		
HALCATACAT	35 #		

FOOTAGE — MORNING TOUR

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-M-C
2036	2051				120	4-5	280	AIR	DRLG.			

DEVIATION RECORD — MORNING TOUR

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

TIME LOG — MORNING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		RIG SER.
0015	0100	¾		FINISH REAMING TO BOTTOM.
0100	0630	5½		DRLG. (PARTIAL RETURNS STOPPED AT 230 AM)
0630	0800	1½		Trip

DRILLER Allen Thomas

DRILLING ASSEMBLY (At end of tour) — DAY TOUR

NO.				BIT RECORD	
1	BIT	.80 FT.		BIT NO.	14
1	B.S. SUB	3.88		SIZE	7⅞
1	SHOCK SUB	9.77 FT.		MFG.	HW
10	D.C. ID 2¼ OD	294.54 FT.		TYPE	ODDJ
1	STB RMR OD / DOG SUB	1.71 FT.		JET 1/32"	nill
	D.C. ID OD	FT.		SER. NO.	33951
	STB RMR OD	FT.		DEPTH OUT	
				DEPTH IN	2051
				TOTAL FTG.	31
				TOTAL HRS. RUN	5½
18	STANDS DP	1692.55 FT.		COND. 1/8's T/B/ GAGE	
9	SINGLES DP	61.93 FT.		GPM/ PD-PSI	
	KELLY DOWN	17 FT.			
	TOTAL	2082.18 FT.			
WT. OF STRING		60,000 LBS.			

MUD RECORD — DAY TOUR

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / /
GELS.	/ / /
WL-CC'S.	325 CFPM
pH	16-18 gpb mix
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	52 gal		
Calgon	13 #		
Drispac	52 #		
Hygatemt.	13 #		

FOOTAGE — DAY TOUR

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-M-C
2051	2082				100	5-8	250					
					120							

DEVIATION RECORD — DAY TOUR

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

TIME LOG — DAY TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Ser. ✓ B.O.P.S
0830	1000	1½		Run in hole pick up shock sub
1000	1030	½		Circ clean to bottom
1030	0400	5½		DRLG. No returns

DRILLER

DRILLING ASSEMBLY (At end of tour) — EVENING TOUR

NO.				BIT RECORD	
	BIT	.80 FT.		BIT NO.	14
1	B.S. SUB	3.88		SIZE	7⅞
1	SHOCK SUB	9.77 FT.		MFG.	HW
10	D.C. ID 2¼ OD	294.54 FT.		TYPE	ODDJ
1	STB RMR OD	1.71 FT.		JETS 1/32"	NONE
	D.C. ID OD	FT.		SER. NO.	33951
	STB RMR OD	FT.		DEPTH OUT	IN
				DEPTH IN	2051
				TOTAL FTG.	94
				TOTAL HRS. RUN	11½
19	STANDS DP	1755.06 FT.		COND. 1/8's T/B/ GAGE	
2	SINGLES DP	62.57 FT.		GPM/ PD-PSI	
	KELLY DOWN	19.75 FT.			
	TOTAL	2137.38 FT.			
WT. OF STRING		70,000 LBS.			

MUD RECORD — EVENING TOUR

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / /
GELS.	/ / /
WL-CC'S.	15 gal min.
pH	350 CFM of air
SOLIDS %	Rig 275

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	55 gal		
Calgon	22 #		
DRISPAC	55 #		
HALCATACAT	55 #		

FOOTAGE — EVENING TOUR

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-M-C
2082	2145	D			120	4	275	5		5½		DR FORM

DEVIATION RECORD — EVENING TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2127	3½°							

TIME LOG — EVENING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1415	2¼	2	Dly. no returns
1415	1430	¼	7	Service rig
1430			10	Survey, misrun Barney Sid would not drop
	1930	1		due to [illegible] 50% return @ 1930 P.M.
1930	2230	3	2	Daly
2230	2315	¾	10	Survey.
2315	2400	¾	7	Dly

DRILLER Clifford Johnson

DRILLING CREW PAYROLL DATA

DATE FEB. 21/72

WELL NAME & NO. AMOCO CANDEX SHELL RED DOG A-1

COMPANY THOMSON DRLG.

TOOL PUSHER GR Crumly RIG NO. 19

MORNING TOUR 1200 — F.M. 800 — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			

NO. OF DAYS 333 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	8
DRKMAN	601 459 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			
Welder	706 710 472	Jim Desjarlais	8

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 PM P.M. — 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 919 760	Clifford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN		Keith Orom	8
FIREMAN	615 961 189		
FLRMAN	608 420 557	Wilbert Simms	8
FLRMAN	603 143 916	Doug Burke	8
FLRMAN			

NO. OF DAYS 333 — SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANDEX SHELL READDOG	A-1		2/20/72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	THOMSON DRLG.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
K Adams	GR Kennedy

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	EH.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	A500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		24 K55	17	750		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	8	

FT. CUT OFF — PRESENT LENGTH 4928

TON MI. OR TRIPS SINCE LAST CUT 83-30 T.M.

CUMULATIVE TON MI. OR TRIPS 711-35 T.M.

DRILLING CREW PAYROLL DATA

DATE FEB. 20/72

WELL NAME & NO. AMOCO CANDEX SHELL READOG A-1

COMPANY THOMSON DRLG.

TOOL PUSHER GR Kennedy — RIG NO. 19

MORNING TOUR — 12:00 P.M. — 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENEASOW	8
MTRMAN	608 964 272	ANDREW BROZNY	
FIREMA			
FLRMAN	610 453 234	Wm. BROZNY	8
FLRMAN	605 710 305	EARL DOCHERTY	8
FLRMAN			

NO. OF DAYS 332 — SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		3¾	
7. LUBRICATE RIG		¼	
8. REPAIR RIG		½	
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			½
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
Repair Air unit			1¾
22. Circ.			2½
23. Clean to bottom			4
COMPLETION A. PERF'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'NL			
G.			
TOTALS		8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		M

BIT RECORD

BIT NO.	12
SIZE	7⅞
MFG.	Hycal
TYPE	OWN
JETS 1 32"	N/C
SER. NO.	19869
DEPTH OUT	2036
DEPTH IN	1968
TOTAL FTG.	68
TOTAL HRS. RUN	11¾
COND. 1/8" T/B" GAGE	4 5 I
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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 SCHL-S PARTEL-P CONTOC
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0200	2		CHAIN OUT @ FISH
0200	0215	¼		RIG SER.
0215	15:15	3		LAY DOWN FISH & BRK DOWN OVERSHOT, JARS, B.SUBS
				WASHOVER PIPE + TEAR OUT SCHLUMBERGER.
0515	8:00			LAY DOWN DRILL COLLARS.

DRILLER Allen Thomas

NO. OF DAYS 332 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8:00 A.M. — 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	8
DRKMAN	601 439 762	Phil Gelbraas	8
MTRMAN	608 432 358	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.80	FT.
1	Sub	3.88	FT.
1	STB RMR OD	1.71	FT.
10	D.C. ID 6¼ OD 6¼	294.54	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
11	STANDS DP	1034.64	FT.
	SINGLES DP		FT.
	KELLY DOWN	41.40	FT.
	TOTAL	1376.97	FT.
	WT. OF STRING	52000	LBS.

BIT RECORD

BIT NO.	13
SIZE	7⅞
MFG.	HW
TYPE	ODV-J
JET 1/32"	Nil
SER. NO.	33959
DEPTH OUT	
DEPTH IN	2036
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B" GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISPAC	15#		
SOAP	15 gal		
CALCO-DIS	15#		
HALCO-TREAT	15#		

DAY TOUR

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 SCHL-S PARTEL-P CONTOC
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Ser. √ B.O.P's
0830	1030	2		Finish Laying down DC's Pick up 8 DC's
1030	1100	½		Change oil in Compressor Air motor shut off.
1100	1145	¾		Change rubber on robbing head.
1145	1230	¾		Run into 1376 bridged off.
1230	0130	1		Weld on Air unit.
0130	0400	2½		Circ w/on returns 200# AIR, 40 gpm Fluid

DRILLER Fred Kostynuk

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.80	FT.
1	Sub	3.88	FT.
1	STB RMR OD	1.71	FT.
10	D.C. 7⅞ ID 6¼ OD	294.54	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
14	STANDS DP	1992.68	FT.
	SINGLES DP		FT.
	KELLY DOWN	41.40	FT.
	TOTAL	2034.08	FT.
	WT. OF STRING	60,000	LBS.

BIT RECORD

BIT NO.	13
SIZE	7⅞
MFG.	HW
TYPE	ODV-J
JETS 1/32"	Nil
SER. NO.	33959
DEPTH OUT	
DEPTH IN	2036
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B" GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DRISPAC	9.5#		
SOAP	5 Gal		
CARBON	3#		
HALCO-TREAT	3#		

EVENING TOUR

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 SCHL-S PARTEL-P CONTOC
2036					100	4000	250	5"		5½		

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600				Attempt to regain circ to bottom bridge @ 1376
	2000	¼		Pulled kept pulling in pull out to 1195 Circ upon
2000				Run in, Circ out to Bottom returns
	2400			no particle returns

DRILLER Clifford Johnson

EVENING TOUR — 4:00 P.M. — 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Clifford Johnson	10
DRKMAN		Clint Campbell	10
MTRMAN		Keith Brown	10
FIREMAN		Wilbert Simms	10
FLRMAN			
FLRMAN		Doug Burke	10
FLRMAN			

held safety meeting and Blow out drill

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

Welder 706 710 472 J Desjardais 8

held safety meeting @ 130.

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

Form 375 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANDEX SHELL REDDOG	A1		2/19/72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	THOMSON DRL.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
D.A. Sams	G.R. Brumley

D.P. SIZE	WT./FT.	GRADE	TOOL J. O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	8 5/8		24	K55	17	750		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	8	32

FT. CUT OFF: 0 — PRESENT LENGTH: 4928

TON MI. OR TRIPS SINCE LAST CUT: 48.15

CUMULATIVE TON MI. OR TRIPS: 23

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	½		
7	LUBRICATE RIG	½	½	
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING	7½	7½	8
20	DIR. WORK			
21				
22				
23				
	COMPLETION A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — MORNING TOUR

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
1	OVERSHOT		3.90 FT.
1	BUMPER SUB		6.94 FT.
1	STB RMR BARS		8.58 FT.
2	6¼ SUBS		1.94
12	DRILL COLLARS		353.29
1	6¼ SUB		2.64
16	STANDS DP		1505.01 FT.
	SINGLES DP		FT.
	KELLY DOWN		11.42 FT.
	TOTAL		1892.72 FT.
	WT. OF STRING		LBS.

BIT RECORD — MORNING TOUR

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ CAGE	
GPM/ PD–PSI	

MUD RECORD — MORNING TOUR

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
BENEX	5#		

DRILLING ASSEMBLY (At end of tour) — DAY TOUR

NO.			
1	BIT Shoe		2.37 FT.
	Wash pipe		957.14
1	STB RMR Sub OD		.90 FT.
1	STB RMR Sub OD		.98 FT.
1	DC Sub OD		.96 FT.
1	DC JAR OD		7.52 FT.
6	STB RMR Collar OD		176.45 FT.
1	Sub		2.67
			FT.
			FT.
18	STANDS DP		1693.50 FT.
	SINGLES DP		FT.
	KELLY DOWN		25 FT.
	TOTAL		2005 FT.
	WT. OF STRING		50000 LBS.

BIT RECORD — DAY TOUR

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD — DAY TOUR

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#	HALAD322	6#
BAROID	5#		
SOAP	8gal		
CALGON	8#		

DRILLING ASSEMBLY (At end of tour) — EVENING TOUR

NO.			
	BIT		FT.
	STB RMR OD		FT.
6	DC OD		176.45 FT.
2	STB RMR OD		1.99 FT.
1	DC OD ID		3.90 FT.
1	STB RMR SUB OD		6.94 FT.
1	JARS		7.52 FT.
1	C.D. OVER.		2.64
			FT.
18	STANDS DP		1694.61 FT.
	SINGLES DP		FT.
	KELLY DOWN		19.00 FT.
	TOTAL		1913.61 FT.
	WT. OF STRING		LBS.

BIT RECORD — EVENING TOUR

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD — EVENING TOUR

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SOAP	8gal		
CALGON	2#		
HI GEL	4#		

FOOTAGE — MORNING TOUR

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'L–P COM'P'D
	2036											

DEVIATION RECORD — MORNING TOUR

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

TIME LOG — MORNING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		RIG SER.
0015	0900	2¾		RUN IN (W) OVERSHOT, BRK CIRC. & CLEAN TIGHT SPOTS From 1500-1582
0900	0930	½		CLEAN T'FILL, WORK OVER FISH (SLIPPED OFF ONCE)
0930	0430	1		WORK FISH AND JAR ON SAME. TO 90,000# OVER-NO
0430	0600	1½		GRAPPLE SLIPPED & WOULD NOT HOLD BLOW KELLY & PULL OUT Pressure
0600	0630	½		BRK DOWN OVERSHOT, BUMPER SUB & JARS Top of Fish 1892
0630	0900	1½		PICK UP WASHOVER PIPE.
				Rimmed shoe & skirt of overshot Flowmeter

DRILLER

FOOTAGE — DAY TOUR

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'L–P COM'P'D
	2036											

DEVIATION RECORD — DAY TOUR

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

TIME LOG — DAY TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Ser. ✓ B.O.P.S
0830	0930	1		Run in w/ wash over pipe
0930	0230	5		Wash over Fish #
0230	0400	1½		Circ wait on overshot.
				* MILL ON BIT fish worked free & and dropped to 1913'
				Top fish – 1913 Bit @ 2005

DRILLER

FOOTAGE — EVENING TOUR

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'L–P COM'P'D
	2036											

DEVIATION RECORD — EVENING TOUR

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

TIME LOG — EVENING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1730	1½		Circ wait on overshot
1730	1900	1½		Trip out w/ wash pipe
1900	2000	1		Handle fishing tools
2000	2100	1		Run in overshot Bumper sub & jars
2100	2330	2½		Circ & clean out over load, caught fish
2330	2400	½		Attempt to circulate. Fish couldn't break circulation..
				latched on to fish pulled up to 39' – string would take up to 40M# and break free @ 39' Jarred 3 times X 120M#, tried to break circ.

DRILLER Clifford Johnson

DRILLING CREW PAYROLL DATA

DATE FEB. 19/72

WELL NAME & NO. AMOCO CANDEX SHELL REDDOG A-1

COMPANY THOMSON DRL LTD.

TOOL PUSHER G.R. Brumley RIG NO. 19

MORNING TOUR 1200 P.M. 800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN	610 463 284	Wm. BROZNY	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8 12
FLRMAN	617 514 842	Wayne Lewis	8 12
FLRMAN			
WELDER	706 710 472	J. Desjarlais	8

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	616 961 769	Keith Drom	8
FIREMAN			
FLRMAN	600 920 554	WILBURT Simms	8
FLRMAN	603 143 918	DOUG BURKE	8
FLRMAN			

NO. OF DAYS 331 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANEX SHELL REDDOG D	A-1		2/19/72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA PETRO. LTD	THOMSON DRLG. LTD	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[signature]	GR Crumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6⅜-6	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION 64° 08' 42" N, 135° 35' 55" W K-29

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8⅝	MANN	24 K55	17	750	13.8	750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/16	8	

FT. CUT OFF — PRESENT LENGTH 4930

TON MI. OR TRIPS SINCE LAST CUT 2 TRIPS 2 TONMI.

CUMULATIVE TON MI. OR TRIPS 21 TRIPS

DRILLING CREW PAYROLL DATA

DATE FEB. 18/72

WELL NAME & NO. AMOCO CANEX SHELL REDDOG.

COMPANY THOMSON DRLG.

TOOL PUSHER GR Crumley RIG NO. 19

MORNING TOUR 1200 P.M. 800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 334	WM. BROZNY	8 12
FLRMAN	603 110 305	EARL DOCHERTY	8 12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowerman	8
FIREMAN			
FLRMAN	575 331 774	Robin Brooks	8 12
FLRMAN	617 514 302	Wayne Lewis	8 12
FLRMAN			
WELDER	706 710 472		8

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 400 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	8
DRKMAN	600 703 466	Clint Campbell	8
MTRMAN	618 961 189	Keith Owen	8
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS 330 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			2
7	LUBRICATE RIG		¼	
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¾	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING	8	¾	6
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PEPP'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	8	8	8
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8	8	8

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
12	D.C. ID	OD 355.40	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	RUMPERSUB	6.94	
	JARS	7.52	
3	6⅝ SUBS	3.07	
16	STANDS DP	1505.01	FT.
1	SINGLES DP	31.55	FT.
	KELLY DOWN		FT.
	TOTAL	1909.49	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8"s T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Shoe	23FT.	FT.
4	10 Wash p.	98.11	
1	STB RMR Sub	.90	FT.
1	STB Sub	.98	FT.
1	STB Sub	.96	FT.
1	D.C. ID Jars	7.52	FT.
6	D.C. ID Collars	176.45	FT.
1	Cb Sub	2.67	
13	STANDS DP	1224.00	FT.
2	SINGLES DP	62.92	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1617.88	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8"s T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3000#	Walgatreat	10#
Benex	8#		
Soap	10 Gal.		
Calgon	10#		

OVERSHOT DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	OVERSHOT	3.90	
	STB RMR	OD	FT.
12	D.C. ID	OD 353.79	FT.
1	STB RMR Sub	OD 6.94	FT.
1	D.C. ID JARS	OD 7.58	FT.
	STB RMR	OD	FT.
1	SUB	9.6	
1	SUB	9.8	
1	SUB	2.64	
16	STANDS DP	1505.01	FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL	1884.38	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8"s T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	1000	1200	6400
WEIGHT	8.7	8.7	8.7
PRESSURE GRADIENT			
VISC.-SEC.	35	35	35
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3000#	Walgatreat	10#
Benex	8#		
Soap	10 Gal.		
Calgon	10#		

MORNING TOUR

FOOTAGE FROM / TO | DR.-D RW.-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-P COMBO-C

DEVIATION RECORD — DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		RIG SER.
0015	0215	2		JARRING ON FISH; JARRED LOOSE FROM FISH BELOW BUMPER SUB.
0215	0330	1¼		PULL OUT
0330	0800	4½		RIG UP TO MIX MUD FOR AIRIATED MUD & MIX MUD
				One floor hand went to get another 4" wash pipe

DRILLER

DAY TOUR

FOOTAGE FROM / TO | DR.-D RW.-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-P COMBO-C

DEVIATION RECORD — DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Ser. & B.O.P.
0830	1030	2		Pick up 4 Joints Wash pipe 2 Stands Collars
1030	1100	½		Slip 32 ft of Drilling line
1100	1200	1		Run in to 1580
1200	0400	4		Cleaning out to ~~top of fish~~. 1618' KB

DRILLER

EVENING TOUR

FOOTAGE FROM / TO | DR.-D RW.-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 PAR-P COMBO-C

1892	1984	R	~~Bottom~~	80	1	250	5"	20	5½		S

DEVIATION RECORD — DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		FINISH CLEANING ~~hole~~ to 1644, ~~Bottom~~
1700	1715	¼		CIRC ON T.P. FISH @ 1892
1715	2100	3¾		WASHING OVER FISH to 1984
2100	2300	2		PULL OUT slowly
2300				HANDLE WASHOVER STR. MAKE UP
	2400	1		JARS, BUMPER SUB + OVERSHOT

I.W.C. DRILLER Clifford Johnson

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
D AMOCO CANEX SHELL RED DOG	A-1		2/17/72
OPERATOR	**CONTRACTOR**		**RIG NO.**
AMOCO CANADA LTD.	THOMSON DRLG.		19
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
	G R Bromley		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6⅝-6	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝	MANN	24 K55	19	750	13.80	750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	8	70

FT. CUT OFF: 70 — PRESENT LENGTH: 4930

TON MI. OR TRIPS SINCE LAST CUT: 178

CUMULATIVE TON MI. OR TRIPS: 586

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			1
7	LUBRICATE RIG	1/4	1/4	1/4
8	REPAIR RIG			
9	CUT OFF DRILLING LINE	1		
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			1/4
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING	6¾	7¼	6¾
20	DIR. WORK			
21				
22				
A	PERFORATE			
B	[illegible]			
C				
D				
E	TESTING			
F	[illegible]			
G				
	TOTALS	24	24	24

DAY WORK TIME (OFFICE USE)

HRS. W/CONTR. D.P. 8 — HRS. W/OPR. D.P. — HRS. WO/D.P. — HRS. STANDBY

TOTAL DAY WORK: 8 8 8

NO. OF DAYS FROM SPUD — CUMULATIVE ROTATING HRS. — TOTAL MUD COST

COMPLETION

DRILLING ASSEMBLY (At end of tour)

BIT			FT.
STB RMR	OD		FT.
9 DC ID	6 1/2 OD	267.48	FT.
STB RMR	OD		FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
JAR ASSEMBLY		15.54	FT.
1 4½		2.14	FT.
17 STANDS DP		1599.16 ~~1684.80~~	FT.
1 SINGLES DP		5.00	FT.
KELLY DOWN JAR & BUMPER SUB		5.16	FT.
TOTAL		~~1811.34~~	FT.
WT. OF STRING		194.92	LBS.

TOP OF NEW FISH

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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.-PANEL-P COMPUT.-C
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	1/4		RIG SER.
0015	0115	1		SLIP + CUT LINE
0115				~~W/O JARS~~ WELD ON BLOOEY LINE
	0800	6¾		W/O JARS
				Fish in hole 3 drill collars & Bit sub & Bit.

DRILLER

DRILLING ASSEMBLY (At end of tour)

BIT			FT.
	Fishing string		
STB RMR	OD		FT.
D.C. ID	OD	327	FT.
12 DC ID	6 1/4 OD	2584.80	FT.
1 JARS STB RMR	6 1/4 OD	7.58	FT.
1 D.C. SUB ID	OD	.98	FT.
1 C.O. SUB STB RMR	6¼ OD	.98	FT.
1 C.O. SUB	6¼	1.13	FT.
1 C.O. SUB.	6¼	2.64	FT.
18 STANDS DP		1705.06	FT.
1 SINGLES DP		5.00	FT.
KELLY DOWN			FT.
TOTAL			FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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.-PANEL-P COMPUT.-C
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	1/2		Rig Ser. W/O B.O.P.S
0830	0400	7½		Run in 12 DC's Caliper & measure same
				Check Hydrik pipe rams & blind rams
				Fish in hole 3 D.C's Bit Sub + Bit

DRILLER J. Kostynuk

DRILLING ASSEMBLY (At end of tour)

BIT			FT.
	Fishing String		
STB RMR	OD		FT.
12 D.C. ID	OD	353.52	FT.
D.C. ID - JARS		7.58	FT.
STB RMR - C.O. SUB.		.98	FT.
1 C.O. SUB.		2.64	FT.
1 Bumpers		6.94	FT.
1 C.O. SUB.		1.13	FT.
1 C.O. SUB.		2.64	FT.
18 STANDS DP		1705.06	FT.
1 SINGLES DP		5.00	FT.
KELLY DOWN			FT.
TOTAL			FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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.-PANEL-P COMPUT.-C
2036								5		5½		

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
~~1600~~ 1600	1615	1/4		RIG SERVICE
1615	1715	1		RUN IN w/ JARS & BUMPER SUB
1715	1730	1/4		SCREW INTO FISH
1730	2400	6½		JARRING ON FISH Jarred loose. Top Fish ~~1811.34~~ 1705.92.

DRILLER Clifford Johnson

DRILLING CREW PAYROLL DATA

DATE FEB. 17/72 — WELL NAME & NO. AMOCO CANEX SHELL RED DOG. — COMPANY THOMSON DRLG. — TOOL PUSHER G R Bromley — RIG NO. 19

MORNING TOUR ~~1600~~ 0001 P.M. 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZWY	8
FIREMAN			
FLRMAN	610 463 234	WM BROZWY	8 12
FLRMAN	603 110 305	EARL DOCHERTY	8 12
FLRMAN			
WELDER	706 710 472	JIM DESJARLAIS	4

Welder: remodel Blooey line

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 0800 A.M. ~~1600~~ 1600 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	12 12
FLRMAN	617 514 842	Wayne Lewis	8 12
FLRMAN			
WELDER	706 710 472	James Desjarlais	8

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ~~1600~~ 1600 P.M. 2400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		CLIFFORD A JOHNSON	8
DRKMAN		CLINT CAMPBELL	8
MTRMAN		KEITH ORAM	8
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			
Welder	706 710 472	J. Desjarlais	2

339 NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

POOR COPY

Form 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

POOR COPY

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco CANEY SHELL REO DOG	A-1		2/16/72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	THOMSON DRLG.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER — H R Brumley

D.P. SIZE	WT. PER FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16
2	National	C-250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝	Mann	24 K55	18	750	1380	750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	40

FT. CUT OFF: 40 — PRESENT LENGTH: 4988

TON MI. OR TRIPS SINCE LAST CUT: 168

CUMULATIVE TON MI. OR TRIPS: 576

DRILLING CREW PAYROLL DATA

DATE FEB 16 - 1972

WELL NAME & NO. Amoco CANEY SHELL REO DOG A1

COMPANY THOMSON DRLG 19

TOOL PUSHER H R Brumley RIG NO.

MORNING TOUR — 0001 P.M. — 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			

NO. OF DAYS 289 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 0800 A.M. — 1600 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Holmes	8
MTRMAN	608 452 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 231 774	Robin Brooke	8½
FLRMAN	617 514 842	Wayne Lewis	8½
FLRMAN			
WELDER	706 710 472		12
		Welder & Rig Repairs	

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — 1600 P.M. — 2400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clint Johnson	8
DRKMAN	600 723 466	Clint Campbell	8
MTRMAN	614 961 149	Heath Crown	16
FIREMAN			
FLRMAN	614 463 234	WM. BROZNY	4
FLRMAN	603 110 305	EARL DOCHERTY	4
FLRMAN			

Clint Johnson & Clint Campbell Travel for Crown Point 2/17/72 & Fish 2/18/72

NO. OF DAYS 328 — SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING	8	8	6
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'RT'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDITN'L			
G.			
TOTALS	8		8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
10	D.C. 2ND 6⅝ OD	294.83 FT.	TYPE	VISC.-SEC.
	STB RMR OD	FT.	JETS 1/32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH OUT	WL -CC'S.
	JARS ASSEMBLY	17.49	DEPTH IN	pH
	XO SUB	2.67	TOTAL FTG.	SOLIDS %
			TOTAL HRS. RUN	
	STANDS DP	1599.14 FT.	COND. 1/8"s T/B/ GAGE	MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
	SINGLES DP	31.10 FT.	GPM/ PD-PSI	
	KELLY DOWN	8 FT.		
	TOTAL	1653.49 FT.		
	WT. OF STRING	195323 LBS.		

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
1	6¾ Sub	6.94	SIZE	WEIGHT
1	STB OD	1.13 FT.	MFG.	PRESSURE GRADIENT
10	D.C. 2ND 6¼	294.83 FT.	TYPE	VISC.-SEC.
	STB RMR OD	FT.	JET 1/32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH OUT	WL -CC'S.
1	4½ H.90	.98	DEPTH IN	pH
1	C.O. SUB	.96	TOTAL FTG.	SOLIDS %
1	JAR	7.48	TOTAL HRS. RUN	
17	STANDS DP	1599.14 FT.	COND. 1/8"s T/B/ GAGE	MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
2	SINGLES DP	31.10 FT.	GPM/ PD-PSI	
	SINGLES 4½ REGULAR	24.00 FT.		
	SUBS ETC. ON TOTAL	2.16 FT.		
		1753.23 FT.		
	WT. OF STRING	197423 LBS.		

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
9	D.C. ID OD	267.40 FT.	TYPE	VISC.-SEC.
	STB RMR OD	FT.	JETS 1/32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH OUT	WL -CC'S.
	JARS		DEPTH IN	pH
	Bumper Sub	15.54	TOTAL FTG.	SOLIDS %
			TOTAL HRS. RUN	
17	STANDS DP	1601.80 FT.	COND. 1/8"s T/B/ GAGE	MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
1	SINGLES DP	5.00 FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	1899.74 FT.		
	WT. OF STRING	184000 LBS.		

MORNING TOUR

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SURV'S PAT'D COMP'NS
2036												

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0100	1		JAR ON FISH
0100	0215	1¼		THAW KELLY HOSE & KELLY
0215	0245	½		ATTEMPT TO BRK. CIRC. WITH AIR.
0245	0400	1¼		JAR ON FISH
0400	0415	¼		RIG SER.
0415	0800	3¾		JAR ON FISH

DRILLER Allen Thomas

DAY TOUR

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SURV'S PAT'D COMP'NS
2036												

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1330	5½		Jar on fish. Jarred fish up 4 ft. Lost fish. Back off to recover prepared tool. Top of fish left @ 1924.39. TOTAL 38
1330	1400	½		Rig Serve. Test B.O.P.s
1400	1530	1½		Cut sand line. to run free point
1530	1800	½		Rig up to run free point tool.

DRILLER Fred Kostynuk

EVENING TOUR

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SURV'S PAT'D COMP'NS
2036								5			5½	

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600				Run Sinker bar. run back off shot on back off
	2200	6		Rerun same 3 times, run freepoint tools
2200	2400	2		Pull out Break down & lay down tools

Left one more D.C. in hole
Left 3 D.C's in hole top of fish @ 1869.74
JARS + BUMPER SUB = TOTAL 15.16

DRILLER Clint Johnson

1884.90

KODAK SAFETY ▲ FILM + ▲

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Condy Shell Red Dog	A-1		2-15-72
OPERATOR		**CONTRACTOR**	RIG NO.
Amoco Canada Ltd		Thomson Drlg.	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	5½	F.H		1	Emsco	D-500	
						1	Wat	C-250	

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8⅝	MAWW	24 X53	18	750	1380	750

WIRE LINE RECORD REEL NO. 1

SIZE 1 1/8 | NO. LINES 8 | FT. SLIPPED 40

FT. CUT OFF 40 | PRESENT LENGTH 4960

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING	8	8	8
20.	DIR. WORK			
21.	[illegible]			
22.				
23.				
COMPLETION	A. PERFR'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	8	8	8
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8	8	8

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	Sid	3.89 FT.
	JARS+Sub		10.55
	STB RMR OD		FT.
7	D.C. ID OD	6¾ 6¾	205.77 FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
18	STANDS DP		1681.91 FT.
1	SINGLES DP		31.65 FT.
	KELLY DOWN		FT.
	TOTAL		1941.77 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR-6
SIZE	7⅞
MFG.	H.W
TYPE	X16
JETS 1/32"	—
SER. NO.	33008
DEPTH OUT	2036
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	/ /
GPM/ PD–PSI	/ /

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	/
GELS.	/
WL –CC'S.	/
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 OF DRLG. (SOL–S FAR–F DIR–D CONTROL)
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0100	1		RUN IN W/STRING SHOT AND BACK OFF @ 1965'
0100	0300	2		HOIST + TAKE RUBBER OFF PIPE
0300	0500	2		P/UP BIT & JAR RUN IN TO CLEAN OUT TOP FISH
0500	0530	½		THAW OUT KELLY HOSE
0530	0800	2½		DRESS CIRC WASH PAN RETURN (AIR DRILLING)
RUN 53	ONE	STRAIGHT	WHILE	BACKING OFF DCS

DRILLER [signature]

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3			
1	STB RMR OD		FT.
10	D.C. ID OD		294.83 FT.
	STB RMR OD		FT.
	D.C. ID OD		2.67 FT.
	STB RMR OD		FT.
	JARS, Bumper		
	Sub+2 NC Subs		17.49
17	STANDS DP		1599.14
2	SINGLES DP		63.85
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR-6
SIZE	7⅞
MFG.	HW
TYPE	X16
JET 1/32"	N/A
SER. NO.	33008
DEPTH OUT	2036
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	35 sack		
Calgon	80		
Hazoptider	35		

DAY TOUR

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 OF DRLG. (SOL–S FAR–F DIR–D CONTROL)
2036							300	A.R	DRLG.			

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0815	¼		WAIT FOR RETURNS – 80% RETURNS @ END.
0815	0945	1½		CLEAN TO TOP OF FISH @ 1956
0945	1315	3½		CIRC ABOVE FISH
1315				BLOW KELLY + PULL OUT LAY DOWN JARS
				RUN IN W/ SINGLE DRILL COLLAR, MAKE UP JARS & BUMPER
	1600	2¾		SUB AND RUN IN

DRILLER Allen Thomas

EVENING TOUR

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 OF DRLG. (SOL–S FAR–F DIR–D CONTROL)

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Ser.
1615	2130	5¼		Trying to get to top of fish / mark on to fish
2130	2400	2½		Starting Fish

DRILLER

DRILLING CREW PAYROLL DATA

DATE FEB – 15 – 72

WELL NAME & NO. Amoco Red Dog A-1

COMPANY – Thomson Drilling

TOOL PUSHER [signature] RIG NO. 19

MORNING TOUR 0001 P.M. 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	613 284 465	RICK BELAIR	8
MTRMAN	619 061 564	HEDLIE SIMPSON	8
FIREMAN			
FLRMAN	613 729 636	CARL SCHILLEK	8
FLRMAN	416 034 015	DAVE STINSMAN	8
FLRMAN			

NO. OF DAYS 319 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 480 A.M. 1530 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		IKEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 305	EARL DOCHERTY	8
FLRMAN			
WELDER	706 710 472	JIM DESJARLAIS	8

Welder 4 hrs Kaps

NO. OF DAYS 288 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 1600 P.M. 2400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 459 276	Phil Belinda	8
MTRMAN	608 432 238	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

Form 375 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Petr. Shell Red Dog	9-1		2-14-72
OPERATOR		CONTRACTOR	RIG NO.
Amoco Canada Ltd.		Thomson Drilling	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
K.A. Knoll		K.A. Brumley	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	X	5¾	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Esmco	D-500	16
1	Wat	C-250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝	MAYN.	24 K55	18	750	13.80	750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/9	8	40
FT. CUT OFF	PRESENT LENGTH	
40	4960	
TON MI. OR TRIPS SINCE LAST CUT	132	
CUMULATIVE TON MI. OR TRIPS	552	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	HRS.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
2	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING	8	8	8
20	DIR. WORK			
22				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	8	8	8
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8	8	8
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.					
	BIT Sub	3.60	FT.	BIT NO.	12
				SIZE	7⅞
	STB RMR / OD		FT.	MFG.	H.W
3	D.C. ID / OD	90.00	FT.	TYPE	OWV
1	STB RMR / 7⅞ OD	3.50	FT.	JETS 1/32"	N/L
6	D.C. 2 3/4 ID / 6¼ OD	174.86	FT.	SER. NO.	19869
	STB RMR / OD		FT.	DEPTH OUT	
1	X-O Sub	2.67		DEPTH IN	1968
				TOTAL FTG.	68
				TOTAL HRS. RUN	11¾
18	STANDS DP	1689.91	FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP	31.65	FT.	GPM/ PD-PSI	
	KELLY DOWN	40.00	FT.		
	TOTAL	2036.69	FT.		
WT. OF STRING	60,000		LBS.		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.					
	BIT Sub	3.60	FT.	BIT NO.	12
				SIZE	7⅞
	STB RMR / OD		FT.	MFG.	HW
3	D.C. ID / OD	90.00	FT.	TYPE	OWV
1	STB RMR / 7⅞ OD	3.50	FT.	JETS 1/32"	N/L
6	D.C. 2 3/4 ID / 6¼ OD	174.86	FT.	SER. NO.	19869
	STB RMR / OD		FT.	DEPTH OUT	
1	X-O Sub	2.67		DEPTH IN	1968
				TOTAL FTG.	68
				TOTAL HRS. RUN	11¾
18	STANDS DP	1689.91	FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP	31.65	FT.	GPM/ PD-PSI	
	KELLY DOWN	40.00	FT.		
	TOTAL	2036.69	FT.		
WT. OF STRING	60,000		LBS.		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.					
	BIT Sub	3.67	FT.	BIT NO.	12
				SIZE	7⅞
	STB RMR / OD		FT.	MFG.	HW
3	D.C. ID / OD	90.08	FT.	TYPE	OWV
1	STB / 7⅞ OD	3.50	FT.	JETS 1/32"	N/L
6	D.C. 2 3/4 ID / 6¼ OD	174.86	FT.	SER. NO.	19869
	STB RMR / OD		FT.	DEPTH OUT	
1	X-O Sub	2.67		DEPTH IN	1968
				TOTAL FTG.	68
				TOTAL HRS. RUN	11¾
18	STANDS DP	1689.91	FT.	COND. 1/8's T/B. GAGE	
1	SINGLES DP	31.65	FT.	GPM/ PD-PSI	
	KELLY DOWN	40.	FT.		
	TOTAL	2036	FT.		
WT. OF STRING	60.000		LBS.		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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 SCHL-S PARFL-P COMPL-C
2036					90	3	300					

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2036	3½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8		WORK STUCK PIPE

DRILLER Paul Jacob

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 SCHL-S PARFL-P COMPL-C
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		WORK STUCK PIPE & W/O FISHERMAN & LWE CREW

DRILLER Allen Thomas

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 SCHL-S PARFL-P COMPL-C
2036												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		Wait on line crew
2000	2200	2		Rig up time to find free point
2200	2300	1		Found stuck point @ 1971 ft. ; Pipe free 115 ft. 2nd and 3rd Chgs.

DRILLER Fred Kostynuk

DRILLING CREW PAYROLL DATA

DATE FEB 14 1972

WELL NAME & NO. Amoco Red Dog A-1

COMPANY Thomson Drilling

TOOL PUSHER K.A. Brumley RIG NO. 19

MORNING TOUR 0001 P.M. 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	608 795 603	PAUL JACOB	8
DRKMAN	618 284 465	RICK BELAIR	8
MTRMAN	619 061 564	LESLIE BELAIR	8
FIREMAN			
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN	616 034 015	DAVE STEWSIMAN	8
FLRMAN			

NO. OF DAYS 316 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 0800 A.M. 1600 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	FINOREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	Wm. BROZNY	8
FLRMAN	603 110 305	EARL OCHERTY	8
FLRMAN			
WELDER	706 780 472	JIM DESJARLAIS	10

WELDERS TIME TO BE CHARGED TO APS TRANSPORT

Wm Brozny

NO. OF DAYS 287 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 1600 P.M. 2400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 478	Fred Kostynuk	8
DRKMAN	601 467 276	Phil Selihas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell Red Dog	A-1		2-13-72
OPERATOR		CONTRACTOR	RIG NO.
Amoco Canada LTD.		Thomson Drilling	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	5½	FH		1	Emsco	D-500	16
						1	Nat	C-250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 K55	18	750		750

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	8	40

FT. CUT OFF 80 — PRESENT LENGTH 4960

TON MI. OR TRIPS SINCE LAST CUT 132

CUMULATIVE TON MI. OR TRIPS 538

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	1½	6¼	4
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	¼		
7	LUBRICATE RIG	¼	¼	
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	½	½	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.	¼	¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	W. T. Hole 1	¼		
22	Circ. To Survey	¼		
	Work Stuckpipe	3½		
COMPLETION	A. PERF'R'T'N			
	B. TSG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS		8	8	4

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. W/O D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
	STB RMR OD		FT.
3	D.C. 6¼ 6¼ ID	90.00	FT.
1	STB RMR 7¾ OD	3.50	FT.
6	D.C. 6¼ 6¼ ID	174.96	FT.
	STB RMR OD		FT.
1	X.O. Sub	2.67	
17	STANDS DP	1596.63	FT.
2	SINGLES DP	62.17	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1973.93	FT.
	WT. OF STRING 62,000		LBS.

BIT RECORD

BIT NO.	11	12
SIZE	7⅞	7⅞
MFG.	H.W	H.W
TYPE	OWV	OWV
JETS 1/32"	16 16	NIL
SER. NO.	33966	19969
DEPTH OUT	1968	
DEPTH IN	1765	1968
TOTAL FTG.	203	5
TOTAL HRS. RUN	17¼	½
COND. 1/8" T/B/ GAGE	7 5 1	
GPM/ PD-PSI		"

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	350 C.E.M
VISC.-SEC.	300 P.S.I.
PV/YP	
GELS.	
WL -CC'S.	15 gals Rose Mud
pH	P.M
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	6 gal		
Caugon	6		
Hagatreat	3		

MORNING TOUR

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 SCHL.-S PARFL-P COM.-C
1968	1973				90	3						

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1963	4¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0100	1		Drilling w/ AIR.
0100	0230	1½		Hoist F. new But.
0230	0300	½		Rig serv. (¼ hrs) - B.O.P. Blind Rams (¼ hrs)
0300				Lay down 11' collars pick up Collars in Derrick.
	0530	2½		and put RUBBER on 16 single & pipe - Finishin
0530	0600	½		Break Circ. Clean 10' to Bottom
0600	0630	½		Drilling
0630	0700	½		Survey
0700	0900	2		Work Tight Hole unable to get to Bottom

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE ~~Amoco Canada Red Dog A-1~~ FEB 13 1972

WELL NAME & NO. Amoco Red Dog A-1

COMPANY Thomson Drilling

TOOL PUSHER Wayne — RIG NO. 19

MORNING TOUR ____ P.M. ____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602:759:615	PAUL JACOB	8
DRKMAN	618:294:465	RICK BELAIR	8
MTRMAN	619:014:564	LESLIE SIMPSON	8
FIREMAN	~~615:007:509~~		
FLRMAN	613:779:636	CARL SCHILLER	8
FLRMAN	416:034:015	DAVE STINSMAN	8
FLRMAN			

NO. OF DAYS 317 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 800 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610:398:368	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608:904:272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610:463:234	WM. BROZNY	8
FLRMAN	603:110:305	EARL DOCHERTY	8
FLRMAN			
WELDER	706:710:472	JIM DESJARLAIS	8

NO. OF DAYS 286 SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
	STB RMR OD		FT.
3	D.C. 6¼ 6¼ ID	90.00	FT.
1	STB RMR 7¾ OD	3.50	FT.
6	D.C. 6¼ 6¼ ID	174.96	FT.
	STB RMR OD	~~2.6~~	FT.
1	X.O. Sub	2.67	
18	STANDS DP	1689.91	FT.
	SINGLES DP	31.65	FT.
	KELLY DOWN	18.00	FT.
	TOTAL	2014.89	FT.
	WT. OF STRING 62,000		LBS.

BIT RECORD

BIT NO.	12
SIZE	7⅞
MFG.	HW
TYPE	OWV
JET 1/32"	NIL
SER. NO.	19869
DEPTH OUT	
DEPTH IN	1968
TOTAL FTG.	46
TOTAL HRS. RUN	7¾
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	350 C.F.M.
VISC.-SEC.	300 P.S.I.
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	12 gals Aquagel

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	6 gal		
Caugon	6		
Hagatreat	3		

DAY TOUR

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 SCHL.-S PARFL-P COM.-C
1973	2014				90	3m	300	AIR	DRLG			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1945	3¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		RIG SER. (¼) BOP (¼)
0830	1200	3½		DRLG.
1200	1230	½		CIRC. TO SURVEY
1230	1245	¼		SURVEY
1245	1600	3¼		WORK TIGHT HOLE
				DRLG.

DRILLER Allen Thomas

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
	STB RMR OD		FT.
3	D.C. 6¼ 6¼ ID	90.00	FT.
1	STB RMR 7¾ OD	3.58	FT.
6	D.C. 6¼ 6¼ ID	174.86	FT.
1	STB RMR X.O. Sub	2.67	FT.
18	STANDS DP	1689.91	FT.
1	SINGLES DP	31.65	FT.
	KELLY DOWN	40	FT.
	TOTAL	2036	FT.
	WT. OF STRING	60.00	LBS.

BIT RECORD

BIT NO.	12
SIZE	7⅞
MFG.	HW
TYPE	OWV
JETS 1/32"	NIL
SER. NO.	19869
DEPTH OUT	
DEPTH IN	1968
TOTAL FTG.	68
TOTAL HRS. RUN	11¾
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	~~350~~ C.E.M
VISC.-SEC.	300 PSI
PV/YP	
GELS.	
WL -CC'S.	15 gals Rose Mud
pH	Rm.
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	3 Gal		
Caugon	20#		
Hagatreat	20#		

EVENING TOUR

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 SCHL.-S PARFL-P COM.-C
2014	~~2036~~				90	3	300	AIR	DRLG			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2026	3½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		DNG 70% Returns
2000	2030	½		Circ. ¼ hr Survey ¼
2030	2400	3½		Break Circ., ~~Stuck pipe~~ Work Circ
				Work same
				Try to Circ w/water

DRILLER J. Kostyniuk

FEB 23 1972

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ____ P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600:704:498	J. Kostyniuk	8
DRKMAN	601:439:276	P. Gelinas	8
MTRMAN	608:432:258	L. Bowman	8
FIREMAN			
FLRMAN	615:331:774	R. Brooks	8
FLRMAN	617:514:842	W. Lewis	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell Red Dog	A-1		2-12-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Ltd.		Thomson Drilling of Canada	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
		Wayne Lewis	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½6	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	NAT	C250	15

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	8 5/8		24 K55	18	750		750

SIZE 1/8 — NO. LINES 8 — FT. SLIPPED 40
FT. CUT OFF 40 — PRESENT LENGTH ~~4940~~ 4940
TON MI. OR TRIPS SINCE LAST CUT 132
CUMULATIVE TON MI. OR TRIPS 538

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5¾	5¾	4¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG		¼	
8	REPAIR RIG	¼	¼	
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	1¾	1¾	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.	¼	¼	¾
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	Tight hole	2		
22				
23				

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS 8 8 8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60 FT.	
	STB RMR OD	FT.	
3	D.C. ID 6¼ OD 6¾	71.78 FT.	
1	STB RMR 7¾ OD	3.50 FT.	
7	D.C. ID OD	202.05 FT.	
	STB RMR OD	FT.	
1	X.O Sub	2.67	
17	STANDS DP	1563.67 FT.	
	SINGLES DP	FT.	
	KELLY DOWN	13.00 FT.	
	TOTAL	1855.79 FT.	
	WT. OF STRING	60.000 LBS.	

BIT RECORD

BIT NO.	11
SIZE	7⅞
MFG.	H.W
TYPE	OWV
JETS 1/32"	NIL
SER. NO.	33966
DEPTH OUT	
DEPTH IN	1865
TOTAL FTG.	90
TOTAL HRS. RUN	5¾
COND. 1/8's T/B/GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	750
VISC.-SEC.	750 cfm
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	15 gpm. Soap.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	20#		
Calgon	165		
Halliburton 101	8#		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT Sub	3.60 FT.	
	STB RMR OD	FT.	
3	D.C. ID 6¼ OD 6¾	71.78 FT.	
1	STB RMR 7¾ OD	3.50 FT.	
7	D.C. ID 6¼ OD 6¾	202.05 FT.	
	STB RMR OD	FT.	
1	XO Sub	2.67 FT.	
17	STANDS DP	1558.56 FT.	
	SINGLES DP	63.18 FT.	
	KELLY DOWN	11.00 FT.	
	TOTAL	1917.97 FT.	
	WT. OF STRING	60,000 LBS.	

BIT RECORD

BIT NO.	11
SIZE	7⅞
MFG.	HW
TYPE	OWV
JETS 1/32"	NIL
SER. NO.	33866
DEPTH OUT	
DEPTH IN	1765
TOTAL FTG.	152
TOTAL HRS. RUN	11½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	35 gal		
Calgon	84 #		
Halliburton 56	#		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT Sub	3.60 FT.	
	STB RMR OD	FT.	
3	D.C. ID 6¼ OD 6¾	71.78 FT.	
1	STB RMR 7¾ OD	3.50 FT.	
7	D.C. ID 6¼ OD 6¾	202.05 FT.	
	STB RMR OD	FT.	
1	XO Sub	2.67 FT.	
18	STANDS DP	1652.74	
	SINGLES DP	FT.	
	KELLY DOWN	15 FT.	
	TOTAL	1953 FT.	
	WT. OF STRING	60.000 LBS.	

BIT RECORD

BIT NO.	11
SIZE	7⅞
MFG.	HW
TYPE	OWV
JETS 1/32"	NIL
SER. NO.	33866
DEPTH OUT	
DEPTH IN	1765
TOTAL FTG.	188
TOTAL HRS. RUN	16¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	250
PRESSURE GRADIENT	
VISC.-SEC.	350 CFM
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	15 gpm Soap.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	24 gal		
Calgon	24#		
Hagatreat 24#			

MORNING TOUR

FOOTAGE / FORMATION

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 PARFIL-P CORE-C
1765	1855	D			120	3-4M	200	AIR	ORLG.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1780	4¼	~~SE~~	1810	4		1840	3¾	

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2430	½		Rig serv (¼ hrs) – B.O.P. (¼ hrs)
2430	0130	1		Drilling
0130	0215	¾		Survey
0215	0445	2¼		Drilling
0445	0515	½		Survey
0515	0715	2		Drilling
0715	0745	½		Survey
0745	0800	¼		Drilling

DRILLER Paul Jacob

FOOTAGE / FORMATION

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 PARFIL-P CORE-C
1855	1917	D			120	3-4	200	AIR	DRLG.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1874	4¼		1906	4°				

DAY TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1000	2		DRLG.
1000	1045	¾		Survey (M) Rig ser (¼) + BOP (¼)
1045	1400	3¼		DRLG.
1400	1515	1¼		Survey (miss run); Bar Circ & survey
1515	1530			Close pipe rams & weld collar on bloody line change
1530	1600			Sawer Sub.
1600				DRLG.

Held safety meeting + blow out drlg.

DRILLER Allen Thomas

FOOTAGE / FORMATION

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 PARFIL-P CORE-C
1917	1953	DR			100	3-4	225	AIR	DRLG.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1936	3¾							

EVENING TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		Drlg.
1700	1745	¾		Chge rotbit for smooth dia for air.
1745	2015	2½		Drlg.
2015	2215	2		Work tight hole circ
2215	2245	½		Survey
2245	2400	1¼		Drlg.
				Held safety meeting

DRILLER T. Rostynuk

B-OP DRLG.

DRILLING CREW PAYROLL DATA

DATE FEB 12 - 72
WELL NAME & NO. Red Dog A-1
COMPANY Thomson Drilling
TOOL PUSHER Wayne Lewis RIG NO. 19

MORNING TOUR 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 751 653	Paul Jacob	8
DRKMAN	614 254 765	Rick Belair	8
MTRMAN	614 061 544	Leslie Simpson	8
FIREMAN			
FLRMAN	613 779 636	Carl Schiller	8
FLRMAN	416 034 015	Dave Stinsman	8
FLRMAN			

NO. OF DAYS 316 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	Allen Thomas	8
DRKMAN		Ken Stenerson	8
MTRMAN	608 904 272	Andrew Brozny	8
FIREMAN			
FLRMAN	610 463 234	Wm. Brozny	8
FLRMAN	608 110 305	Earl Docherty	8
FLPMAN			
WELDER	706 710 472	Jim Desjarlais	8

Welder time to be charged to Kaps Transport. D.J.

NO. OF DAYS 285 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Rostynuk	8
DRKMAN	601 159 276	Phil Gelinas	8
MTRMAN	608 132 268	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell Reg Dog	A-1		2-11-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD	Thomson Drilling of Canada	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D Harris

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Wayne

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½	6 F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16
2	Nat	C-250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝		36 K55	18	750		750

WIRE LINE RECORD — REEL NO. 1

SIZE	NO. LINES	FT. SLIPPED
1/9	8	40

FT. CUT OFF: 40 — PRESENT LENGTH: 4060

TON MI. OR TRIPS SINCE LAST CUT: 16 120

CUMULATIVE TON MI. OR TRIPS: 526

DRILLING CREW PAYROLL DATA

DATE FEB 11 1972

WELL NAME & NO. Amoco Reg Dog A-1

COMPANY Thomson Drilling

TOOL PUSHER Wayne — RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 613	Paul Jacob	8
DRKMAN	618 284 463	Rick Belair	8
MTRMAN	619 061 564	Leslie Simpson	8
FIREMAN			
FLRMAN	613 719 636	Carl Shiell	8
FLRMAN	416 038 015	Baye Stinsman	8
FLRMAN			

NO. OF DAYS 315 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 396 958	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 234	Wm. BROZNY	8
FLRMAN	603 110 305	EARL DOHERTY	8
FLRMAN			
	706 710 472	JIM DESJARLAIS	10

WELDER'S DOUBLE TIME TO BE CHARGED TO KAP'S TRANSPORT — WELDING GRADER FEATURE #3 W Harris

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostyniuk	8
DRKMAN	601 439 276	Phil Dethlaus	8
MTRMAN	608 452 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Bp	
FLRMAN	617 514 842	Wayne Lee	
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN		7½	11½
2. DRILL ACTUAL	1½		
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	3		9½
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			½
10. DEVIATION SURVEY		¼	¼
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.	¼	¼	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. T.O.K.	2½		
22. C.T.B	1½		
23.			

COMPLETION: A. PERF'T'N; B. TGG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'NL; G.

TOTALS	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
	STB RMR OD		FT.
3	DC 6¼ OD	71.98	FT.
1	STB RMR 7⅞ OD	3.50	FT.
2	DC 6¼ OD	202.05	FT.
	STB RMR OD		FT.
1	X.O Sub	2.67	
13	STANDS DP	1372.62	FT.
1	SINGLES DP	31.50	FT.
	KELLY DOWN	13.00	FT.
	TOTAL	1700	FT.
	WT. OF STRING	54,000	LBS.

BIT RECORD

BIT NO.	9	10
SIZE	7⅞	7⅞
MFG.	H.W	H.W
TYPE	X16	OWV
JETS 1/32"	NIL	NIL
SER. NO.	33006	33865
DEPTH OUT	1693	
DEPTH IN	1506	1693
TOTAL FTG.	187	71
TOTAL HRS. RUN	20	1 IV
COND. 1/8's T/B. GAGE	4 4 1	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL-CC'S.	
pH	
SOLIDS %	

P.H. Drilling

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	6 gals		
Calgon	6 #		
Halgatreat	3 #		

MORNING TOUR

FOOTAGE / FORMATION

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 SURV. PARTIAL CONTRAC.
1693	1700			Bobbo tally 1696.27	120	3m	200					
				Pipe " 1693.73								
				CORE MADE 254								

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0100	1		FINISH STRAPPING OUT
0100	0130	½		RIG SERV (1/4 HRS) B.O.P. (1/4 HRS)
0130				PICK UP STB RUN IN LAYDOWN 9 SINGLE PICKUP 3 STD
	0330	2		IN DERRICK
0330	0600	2½		THAW OUT KELLY FROZE WHILE BREAKING CIRC
0600	0630	½		CLEAN 20' TO BOTTOM WITH COLD AIR
0630	0800	1½		DRILLING

DRILLER Paul Jacob

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
	STB RMR OD		FT.
3	DC 6¼ OD	71.78	FT.
1	STB RMR 7⅞ OD	3.50	FT.
7	DC 6¼ OD	202.05	FT.
	STB RMR OD		FT.
1	X.O Sub	2.67	
15	STANDS DP	1375.37	FT.
2	SINGLES DP	61.75	FT.
	KELLY DOWN	32.00	FT.
	TOTAL	1749.98	FT.
	WT. OF STRING	59,000	LBS.

BIT RECORD

BIT NO.	10
SIZE	7⅞
MFG.	Hwt
TYPE	OWV
JET 1/32"	NIL
SER. NO.	33865
DEPTH OUT	1693
DEPTH IN	1693
TOTAL FTG.	56
TOTAL HRS. RUN	6¼
COND. 1/8's T/B. GAGE	6 6 1

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL-CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	3 gals		
Calgon	10 lbs		
Halgatreat	20 lb		

DAY TOUR

FOOTAGE / FORMATION

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 SURV. PARTIAL CONTRAC.
1700	1749											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1718	40							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1115	3¼		DRLG.
1115	1200	¾		SURVEY (¼) RUN (¼) RIG SER. (¼)
1200	1600	4		DRLG.

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT Sub	3.60	FT.
	STB RMR OD		FT.
3	DC 6¼ OD	71.78	FT.
1	STB RMR 7⅞ OD	3.50	FT.
7	DC 6¼ OD	202.05	FT.
	STB RMR OD		FT.
1	X.O Sub	2.67	
15	STANDS DP	1368.85	FT.
2	SINGLES DP	61.75	FT.
	KELLY DOWN	14	FT.
	TOTAL	1765	FT.
	WT. OF STRING	59000	LBS.

BIT RECORD

BIT NO.	10	11
SIZE	7⅞	7⅞
MFG.	HW	HW
TYPE	OWV	OWV
JETS 1/32"	NIL	NIL
SER. NO.	33865	33866
DEPTH OUT	1765	
DEPTH IN	1693	1693
TOTAL FTG.	72	
TOTAL HRS. RUN	13¼	
COND. 1/8's T/B. GAGE	6 6 1	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL-CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	30 gals		
Calgon	20 #		
Hagatreat	20 #		

EVENING TOUR

FOOTAGE / FORMATION

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 SURV. PARTIAL CONTRAC.
1749	1765				120	4	225	A.10	Drlg.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1750	4½°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1815	2¼		DRLG NO returns
1815	1845	½		Survey Rig Ser. ¼ HR.
1845	2100	2¼		DRLG
2100	2400	3		Blow Kelly trip for bit Change Stop Sagi on D.C Slip 30 ft of D Line (1½ HR.)

DRILLER T Kostyniuk

Form 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell A-1 Red Dog	A-1		2-[illegible]-72
OPERATOR		**CONTRACTOR**	RIG NO.
Amoco Canada Ltd		Thomson Drilling Canada	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D Ramin		Wayne [illegible]	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D800	16
2	Nat	C-350	18

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝		24 K55	18	750		750

SIZE 1/8 — NO. LINES 3 — FT. SLIPPED 40
FT. CUT OFF 40 — PRESENT LENGTH 4060
TON MI. OR TRIPS SINCE LAST CUT 104
CUMULATIVE TON MI. OR TRIPS 510

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	6¼	6¾	1¾
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			½
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	1¼	¾	¾
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.	¼	¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS 8 8 8 0

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT	Sub	3.60	FT.
	STB RMR	OD		FT.
1	DC 2¾	6 4/4	11.90	FT.
	STB RMR	OD		FT.
9	DC 2¾	6 4/4	259.25	FT.
	STB RMR	OD		FT.
1	XO Sub		2.65	FT.
13	STANDS DP		1220.66	FT.
2	SINGLES DP		62.76	FT.
	KELLY DOWN		15.00	FT.
	TOTAL		1570.53	FT.
WT. OF STRING			59,000	LBS.

BIT RECORD

BIT NO.	9
SIZE	7⅞
MFG.	H.W
TYPE	X16
JETS 1/32"	NIL
SER. NO.	33006
DEPTH OUT	
DEPTH IN	1506
TOTAL FTG.	
TOTAL HRS. RUN	6¾
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	45 gals		
Calgon	75 lbs		
Hoggbert	50 lbs		

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT	Sub	3.60	FT.
-	STB RMR	OD		FT.
1	DC 2¾	6 4/4	11.90	FT.
	STB RMR	OD		FT.
9	DC 2¾	6½ OD	259.25	FT.
	STB RMR	OD		FT.
1	XO Sub		2.65	FT.
14	STANDS DP		1314.92	FT.
1	SINGLES DP		31.48	FT.
	KELLY DOWN		35.00	FT.
	TOTAL		1658.80	FT.
WT. OF STRING			59,000	LBS.

BIT RECORD

BIT NO.	9
SIZE	7⅞
MFG.	HW
TYPE	X16
JET 1/32"	NONE
SER. NO.	33006
DEPTH OUT	
DEPTH IN	1506
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	45 gal.		
Calgon	100 lbs		

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT	Sub	3.60	FT.
1	XO Sub		2.65	FT.
1	STB RMR	OD		FT.
	DC 2¾	6¼	11.90	FT.
9	DC 2¾	6¼	259.25	FT.
	STB RMR	OD		FT.
1	[illegible]		2.65	FT.
15	STANDS DP		1409.36	FT.
	SINGLES DP		0	FT.
	KELLY DOWN			
	TOTAL		1696	FT.
WT. OF STRING			59M	LBS.

BIT RECORD

BIT NO.	9
SIZE	7⅞
MFG.	HW.
TYPE	X16
JETS 1/32"	NIL
SER. NO.	33006
DEPTH OUT	1696
DEPTH IN	1506
TOTAL FTG.	190
TOTAL HRS. RUN	20
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	Air Drlg.
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soap	20 gal		
Calgon	5 LB		
Hoggbert	5 LB		

MORNING TOUR

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 PARTIAL CORE
1508	1575	D			80	3-5	225	AIR	DRILLING.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1530	2¾		1560	3⅛				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2415	¼		Drilling w/air no Returns
2415	2445	½		Rig Serv (¼ hrs) – (B. O. P. ¼ hrs)
2445	0230	1¾		Drilling Returns TOR A. + some samples
0230	0315	¾		Survey @ 1530
0315	0630	3¼		Drilling.
0630	0700	½		Survey @ 1560
0700	0800	1		Drilling.

DRILLER [signature]

DAY TOUR

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 PARTIAL CORE
1575	1658				120	3-5	200	AIR	DRLG.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1591	3°		1623	3½°				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0945	1¾		DRILLING
0945	1030	¾		SURVEY (4) RIG SER (¼) & BOP – (¼)
1030	1230	2		DRLG
1230	1300	½		SURVEY
1300	1600	3		DRLG.

DRILLER Allen Thomas

EVENING TOUR

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 PARTIAL CORE
1658	1696				120	3M	225	Air	Drlg.			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1556	4°		1688				2¼	

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		DRLG
1630	1700	½		Survey ¼ hr. Rig Ser. ¼
1700	2300	6		DRLG. NO R. TURNS Returns @ 2[illegible]
2300	2330	½		Survey
2330	2400	½		Tripping

DRILLER [signature]

DRILLING CREW PAYROLL DATA

DATE FEB 12 1972
WELL NAME & NO. Amoco Red Dog A-1
COMPANY THOMSON DRILLING
TOOL PUSHER [signature] RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	8
DRKMAN	618 294 465	Rick Belair	8
MTRMAN	619 661 564	Leslie Simpson	8
FIREMAN			
FLRMAN	613 279 636	Carl Schiller	8
FLRMAN	416 034 051	Dave Stansman	8
FLRMAN			

NO. OF DAYS 314 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	60 [illegible] 468	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN			
FLRMAN	610 463 [illegible]	Wm. BROZNY	8
FLRMAN	603 110 305	EARL DOCKERTY	8
FLRMAN			
WELDER	706 710 472	Jim DESJARLAIS	8

NO. OF DAYS 284 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	8
DRKMAN	601 439 276	Phil Gelinas	8
MTRMAN	608 432 258	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	Wayne Lewis	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

Form 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Shell A-1 Red Dog	A-1		2-9-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD	Thomson Drilling of Canada	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K A Bannis

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Wayne Thomson

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	B-500 Emsco	T6	16
2	C-350 Nat.	T5	12

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	8 5/8		24 K55	18	750		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	40

FT. CUT OFF: 40 — PRESENT LENGTH: 4950

TON MI. OR TRIPS SINCE LAST CUT: 98

CUMULATIVE TON MI. OR TRIPS: ~~98~~

DRILLING CREW PAYROLL DATA

DATE FEB 9 - 1972

WELL NAME & NO. Amoco Red Dog - A-1

COMPANY THOMSON Drilling

TOOL PUSHER Wayne Thomson — RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			1½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			2
7. LUBRICATE RIG			1/4
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.		8	
15. TEST B.O.P.	8		
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			1/4
21. hooking up AIR			1¾
22. Circ w/AIR			2½
23. Thaw Air Line AirD			1
A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8		8

COMPLETION

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT SUB	3.60 FT.	
	STB RMR OD	FT.	
1	D.C. 2⅞ ID 6¼ OD	11.90 FT.	
	STB RMR OD	FT.	
9	D.C. 2¼ ID 6¼ OD	259.25 FT.	
	STB RMR OD	FT.	
1	X.O SUB	2.67	
	STANDS DP	1231.03 FT.	
	SINGLES DP	FT.	
	KELLY DOWN	0 FT.	
	TOTAL	1506.45 FT.	

WT. OF STRING 59,000 LBS.

BIT RECORD

BIT NO.	8
SIZE	7⅞
MFG.	H.W
TYPE	X1G
JETS 1 32"	3 13
SER. NO.	33024
DEPTH OUT	1506
DEPTH IN	1418
TOTAL FTG.	88
TOTAL HRS. RUN	12
COND. 1-8 T/B/ GAGE	5 2 1
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 PARTIAL-P COMPLE-C
1506					120	3	0	5½				S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1500	3¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400				Nipple up B.O.P. FOR AIR Drilling.
	0800	8		Rebuild Sweep to Manifold

DRILLER Paul Jacob

NO. 2

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT SUB	3.60 FT.	
	STB RMR OD	FT.	
1	D.C. 2⅞ ID 6¼ OD	11.90 FT.	
	STB RMR OD	FT.	
9	D.C. 2¼ ID 6¼ OD	259.25 FT.	
	STB RMR OD	FT.	
13	STANDS DP	1231.03 FT.	
	SINGLES DP	FT.	
	KELLY DOWN	0 FT.	
	TOTAL	1506.45 FT.	

WT. OF STRING 59,000 LBS.

BIT RECORD

BIT NO.	8
SIZE	7⅞
MFG.	HW
TYPE	X1G
JET 1/32"	13 13 13
SER. NO.	33024
DEPTH OUT	1506
DEPTH IN	1418
TOTAL FTG.	88
TOTAL HRS. RUN	12
COND. 1/8 T/B/ GAGE	5 2 1
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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 PARTIAL-P COMPLE-C
1506												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1500	3¾							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		FINISH INSTALL 8" SWEEP TO MANIFOLD & BUILD BLOOEY LINE

DRILLER W. Thomas

NO. 3

DRILLING ASSEMBLY (At end of tour)

NO.			
9	BIT Sub	3.60 FT.	
1	XO Sub.	2.67	
	STB RMR OD	FT.	
9	D.C. 2¼ ID 6¼ OD	259.25 FT.	
	STB RMR OD	FT.	
1	D.C. 2⅞ ID 6¼ OD	11.90 FT.	
	STB RMR OD	FT.	
23			
13	STANDS DP	1231.03 FT.	
	SINGLES DP	FT.	
	KELLY DOWN	FT.	
	TOTAL	FT.	

WT. OF STRING 60M LBS.

BIT RECORD

BIT NO.	9
SIZE	7⅞
MFG.	HW
TYPE	X16
JETS 1/32"	N16
SER. NO.	33106
DEPTH OUT	
DEPTH IN	1506
TOTAL FTG.	2
TOTAL HRS. RUN	½
COND. 1/8 T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

added to 2401 - 0800

REPORT 2-10-72

EVENING TOUR

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 PARTIAL-P COMPLE-C
1506	1508				90	3	250	AIR DRLG				

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Ser.
1615	1800	1¾		Finish hooking up for AIR DRLG
1800	2000	2		Run in hole & thaw out Kelly hose
2000	2100	1		Thaw out AIR manifold to standpipe
2100	2330	2½		Circ w/AIR waiting for returns
2330	2400	½		DRLG
				Air pressure 200 psi, 300 CFM, 15 bbls/hr H2O standpipe pressure 250 psi.

DRILLER Chuck Thomas

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 618	PAUL JACOB	8
DRKMAN	608 284 465	RICK BELAIR	8
MTRMAN	619 061 564	LESLIE SIMPSON	8
FIREMAN			
FLRMAN	643 779 636	CARL SCHILLER	8
FLRMAN	416 034 015	DAVE STINSMAN	8
FLRMAN			
WELDER	706 710 472	TIM DESJARLAIS	5

NO. OF DAYS 312 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	610 398 968	ALLEN THOMAS	8
DRKMAN		KEN STENERSON	8
MTRMAN	608 904 272	ANDREW BROZNY	8
FIREMAN	610 463 234	WM. BROZNY	8
FLRMAN	603 110 309	EARL DOCHERTY	8
FLRMAN			
FLRMAN			
WELDER	706 716 472	TIM DESJARLAIS	5.8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	T. Lastymuk	8
DRKMAN	601 439 976	P. Delidais	8
MTRMAN	608 432 258	G. Bowman	8
FIREMAN			
FLRMAN	615 331 774	R. Brooks	8
FLRMAN	617 514 842	W. Lewis	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANEX SHELL A1 REED 66 H29	A1		2-8-72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	THOMSON DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K. Hamin

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: W. Johnston

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION: 64° 08' 43" N — 125° 34' 55" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		24 K55	18	752		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/16	8	40

FT. CUT OFF: 40 — PRESENT LENGTH: 4960

TON MI. OR TRIPS SINCE LAST CUT: 60

CUMULATIVE TON MI. OR TRIPS:

DRILLING CREW PAYROLL DATA

DATE FEB 8 1972

WELL NAME & NO. AMOCO CANEX SHELL A1 REED DOCK #29

COMPANY THOMSON DRLG

TOOL PUSHER W. Johnston — RIG NO. 19

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD JOHNSON	8
DRKMAN	600 723 546	CLINT CAMPBELL	8
MTRMAN	604 961 189	KEITH OROM	8
FIREMAN			
FLRMAN	421 961 189	RALPH CHROMIX	8
FLRMAN	623 205 [illegible]	JAMES BLAKE	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5¼	3½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		1	
7. LUBRICATE RIG	¼	¼	
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	½	1	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			8
15. TEST B.O.P.		1¼	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. W.O.W		2	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	5	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT SUB	3.60	FT.
	STB RMR OD		FT.
1	D.C. ID OD	11.90	FT.
	STB RMR OD		FT.
9	D.C. ID OD	259.25	FT.
	STB RMR OD		FT.
1	CHANGE OVER	2.67	
11	STANDS DP	1097.47	FT.
2	SINGLES DP	61.00	FT.
	KELLY DOWN	35.15	FT.
	TOTAL	1472	FT.
WT. OF STRING	56,000		LBS.

BIT RECORD

BIT NO.	6
SIZE	7⅞
MFG.	HW
TYPE	X16
JETS 1 32"	3 13
SER. NO.	33024
DEPTH OUT	
DEPTH IN	1418
TOTAL FTG.	53
TOTAL HRS. RUN	8½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	Water
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT SUB	3.60	FT.
	STB RMR OD		FT.
1	D.C. ID OD	11.50	FT.
	STB RMR OD		FT.
9	D.C. ID OD	259.25	FT.
	STB RMR OD		FT.
1	X.O.SUB	2.67	
13	STANDS DP	1731.03	FT.
	SINGLES DP	NIL	FT.
	KELLY DOWN	0	FT.
	TOTAL	1506.45	FT.
WT. OF STRING	59,000		LBS.

BIT RECORD

BIT NO.	8
SIZE	7⅞
MFG.	H.W
TYPE	X16
JET 1/32"	3 13
SER. NO.	33024
DEPTH OUT	1506
DEPTH IN	1418
TOTAL FTG.	98
TOTAL HRS. RUN	12
COND. 1/8's T/B/ GAGE	5 2 1
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	WATER
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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. 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'L'P COM'P'C
1432	1471	D			120	3000	0	5	20			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1406	3¼		1435	3¼				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0200	2		DRLG BLIND
0200	0245	¾		SURVEY ½ hr. R.G SERVICE
0245	0400	3¼		DRLG BLIND

DRILLER Clifford Johnson

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 SOL'S PART'L'P COM'P'C
1471	1506	D			120	3000	0	5	20		5	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1470	3¼		1500	3¼				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0900	1		Drilling
0900	0930	½		Rig SERV (¼ HRS) & B.O.P. (¼ HRS)
0930	1000	½		SURVEY @ 1470
1000	1330	2½		Drilling BLIND
1330	1300	½		SURVEY @ 1500
1300	1400	1		Hoist out of WATER
1400	1600	2		WAIT ON WATER

DRILLER Paul Jacob

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 SOL'S PART'L'P COM'P'C

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Change Hydrip Rubber Rigging up for AIR DRILLING

DRILLER

DAY TOUR — NO. OF DAYS 312 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. 4 — P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 613	PAUL JACOB	8
DRKMAN	618 284 463	RICK BETAIR	8
MTRMAN	619 061 564	LESLIE SIMPSON	8
FIREMAN	[illegible]		
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN	416 034 013	DAVE STINSMAN	8
FLRMAN			
Welder	706 710 472	JAMES DESJARLAIS	8

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

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 SOL'S PART'L'P COM'P'C

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 478	J. Kostynuk	8
DRKMAN	601 459 276	R. Gelinas	8
MTRMAN	608 432 458	D. Bowman	8
FIREMAN			
FLRMAN	615 331 771	R. Brooks	8
FLRMAN	617 514 842	W. Lewis	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

Form 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANEX SHELL AI RED DOG9	A1		2-7-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD		THOMSON DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D Ramm		W Jacob	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	EH	

PUMP NO.	PUMP MANUFACTURER		TYPE	STROKE LENGTH
1	D500	EMSCO	D500	16
2	C250	NATIONAL	C250	15

LEGAL LAND DESCRIPTION: 64° 05' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 H-40	18	750		750

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 1/2	8	40

FT. CUT OFF: 40 — PRESENT LENGTH: 5960

TON MI. OR TRIPS SINCE LAST CUT: 60

CUMULATIVE TON MI. OR TRIPS:

DRILLING CREW PAYROLL DATA

DATE 2-7-72
WELL NAME & NO. AMOCO CANEX RED DOG A1
COMPANY THOMSON DRLG
TOOL PUSHER W Jacob RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			3/4
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			3/4
7	LUBRICATE RIG	1/4	1/4	1/4
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.		1/4	1/4
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	W.O.W.	7 3/4	7 1/2	6
22				
23				
	TOTALS	9	9	8

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'NL; G.

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT SUB		3.60 FT.
	STB RMR OD		FT.
1	D.C. ID OD		11.90 FT.
	STB RMR OD		FT.
9	D.C. ID OD		259.25 FT.
	STB RMR OD		FT.
1	X.O. SUB		2.67 FT.
	STANDS DP		1128.88 FT.
	SINGLES DP		FT.
	KELLY DOWN		22.00 FT.
	TOTAL		1426 30 FT.
	WT. OF STRING	58,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	7 7/8
MFG.	HW
TYPE	X16
JETS 1 32nds	3 13
SER. NO.	33024
DEPTH OUT	
DEPTH IN	1418
TOTAL FTG.	(8)
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME; WEIGHT; PRESSURE GRADIENT; VISC.-SEC.; PV/YP; GELS.; WL -CC'S.; pH; SOLIDS %

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

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT SUB		3.60 FT.
	STB RMR OD		FT.
1	D.C. ID OD		11.90 FT.
	STB RMR OD		FT.
9	D.C. ID OD		259.25 FT.
	STB RMR OD		FT.
1	X.O. SUB		2.67 FT.
12	STANDS DP		1128.88 FT.
	SINGLES DP		FT.
	KELLY DOWN		22.00 FT.
	TOTAL		1426 30 FT.
	WT. OF STRING	58,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	7 7/8
MFG.	HW
TYPE	X16
JET 1/32"	3 13
SER. NO.	33024
DEPTH OUT	
DEPTH IN	1418
TOTAL FTG.	(8)
TOTAL HRS. RUN	(3/4)
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME; WEIGHT; PRESSURE GRADIENT; VISC.-SEC.; PV/YP; GELS.; WL -CC'S.; pH; SOLIDS %

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

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT SUB		3.60 FT.
		1	
	STB RMR OD		FT.
1	D.C. ID OD		11.90 FT.
	STB RMR OD		FT.
9	D.C. ID OD		259.25 FT.
	STB RMR OD		FT.
1	X.O. SUB		2.67 FT.
12	STANDS DP		1128.88 FT.
	SINGLES DP		FT.
	KELLY DOWN		29.00 FT.
	TOTAL		1432.30 FT.
	WT. OF STRING	58,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	7 7/8
MFG.	HW
TYPE	X16
JETS 1/32"	3 13
SER. NO.	33024
DEPTH OUT	
DEPTH IN	1418
TOTAL FTG.	
TOTAL HRS. RUN	(1/4)
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME; WEIGHT; PRESSURE GRADIENT; VISC.-SEC. WATER; PV/YP; GELS.; WL -CC'S.; pH; SOLIDS %

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

MORNING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 SCHL PARTI-P COMPLC
1426	1426							5		5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1406	3¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2415	1/4		RIG SERVICE
2415	0800	7 3/4		WAIT ON WATER HELD SAFTY MEETING, TOPIC DISCUSSED RIG SERVICE, AND MAINTANCE

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 SCHL PARTI-P COMPLC
1426								5		5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1406	3¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0830	1/2		RIG SERVICE BOP CHECK + MOTOR SHUT OFFS
0830	1600	7 1/2		WAIT ON WATER

DRILLER Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 SCHL PARTI-P COMPLC
1426	1436	D			120	3	0	5	20		5	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1406	3¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	1/2		Rig SERV (1/4 HRS) CHECK B.O.P (1/4 HRS)
1630	2230	6		WAIT ON WATER. HELD SAFETY MEETING TOOK THE PROPER USE OF CATHEAD.
2230	2315	3/4		Ran in to Drill
2315	2400	3/4		Drilling Blind

DRILLER Paul Jacob

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 918 746	CLIFFORD A JOHNSON	12
DRKMAN	600 783 446	CLINT CAMPBELL	12
MTRMAN	618 911 189	KIETH OROM	12
FIREMAN			
FLRMAN	421 312 598	RALPH CHROMIX	12
FLRMAN	618 911 189	JAMES BLAKE	12
FLRMAN		Send Blakes and Chromiks Cheques To % Box 95 Daysland Alta.	

NO. OF DAYS 326 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8 A.M. — 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	4
DRKMAN	618 294 465	RICK BELAIR	4
MTRMAN	730 295 493	LARRY BELAIR	4
FIREMAN			
FLRMAN	618 719 636	CARL SCHILLER	4
FLRMAN	619 061 564	LESLIE SIMPSON	4
FLRMAN	416 034 015	N. Stineman	8
WELDER	706 710 472	JAMES DESMARLAIR	10

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 294 465	RICK BELAIR	8
MTRMAN	730 295 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 799 636	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS 311 SINCE LAST LOST TIME ACCIDENT

FORM 375 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO CANEX SHELL AI Rig Dog K29	A1		2-6-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD		THOMSON DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
K.A. Samis		Wayne Johnson	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5¼-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D 500	16
2	NATIONAL	C 250	15

LEGAL LAND DESCRIPTION 64° 08' 43" N 125° 35' 55" W

WIRE LINE RECORD — REEL NO. — SIZE 1¼ — NO. LINES 6 — FT. SLIPPED 40 — FT. CUT OFF 40 — PRESENT LENGTH 4980 — TON MI. OR TRIPS SINCE LAST CUT 20 — CUMULATIVE TON MI. OR TRIPS 148

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 ~~K55~~	~~75A~~ 18	752		750

DRILLING CREW PAYROLL DATA

DATE 2-6-72

WELL NAME & NO. AMOCO RED Dog A1 #29

COMPANY

TOOL PUSHER Wayne Johnson — RIG NO. # 19

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			2¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE		2½	
6	TRIPS		1½	2¼
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	¼
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	Mix Lost Circ. Matl.	¾	3	
22	C. T. B.		½	
23	W. O. W			2½
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		360 FT.
	STB RMR OD		FT.
19	D.C. ID OD	275.46	FT.
1	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	+0 SUB	1.67	
11	STANDS DP	1019.27	FT.
2	SINGLES DP	63.40	FT.
	KELLY DOWN	27.87	FT.
	TOTAL	1406.	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	7
SIZE	7⅞
MFG.	HW
TYPE	X1C
JETS 1/32"	NONE
SER. NO.	33014
DEPTH OUT	1406
DEPTH IN	1398
TOTAL FTG.	14
TOTAL HRS. RUN	13
COND. 1/8's T/B/ GAGE	4 1 1
GPM/ PD–PSI	

MUD RECORD

TIME	1400
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	120
PV/YP	/ / /
GELS.	/ / /
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000 lbs		
SAWDUST	300 SAXS.		
KWIK-SEL	45 SAXS.		
BENEX	3 BAGS.		

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT SUB	3.60	FT.
	STB RMR OD		FT.
1	D.C. 6¼ ID 6¼	11.90	FT.
9	D.C. 6¼ ID 6¼	259.25	FT.
	STB RMR OD		FT.
1	X.O. SUB	2.67	
11	STANDS DP	1032.77	FT.
2	SINGLES DP	62.60	FT.
	KELLY DOWN	34.00	FT.
	TOTAL	1466.79	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	R.R.
SIZE	7⅞
MFG.	H.W
TYPE	X16
JET 1/32"	
SER. NO.	330:4
DEPTH OUT	
DEPTH IN	1406
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	/ / /
GELS.	/ / /
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SAWDUST	150		
KWIK SEL	30		

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT SUB	3.60	FT.
	STB RMR OD		FT.
1	D.C. 6¼ ID 6¼	11.90	FT.
9	D.C. 6¼ ID 6¼	259.25	FT.
	STB RMR OD		FT.
1	X.O. SUB	2.67	
11	STANDS DP	1126.98	FT.
	SINGLES DP	NIL	FT.
	KELLY DOWN	22.00	FT.
	TOTAL	1426.30	FT.
	WT. OF STRING	56,000	LBS.

BIT RECORD

BIT NO.	7 R.R.	8
SIZE	7⅞	7⅞
MFG.	H.W	HW
TYPE	X16	X16
JETS 1/32"	NONE	3 13
SER. NO.	330:4	33024
DEPTH OUT	:418	1426
DEPTH IN	1406	1418
TOTAL FTG.	12	8
TOTAL HRS. RUN	1½	¾
COND. 1/8's T/B/ GAGE	4 2 1	
GPM/ PD–PSI		

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	Water
PV/YP	/ / /
GELS.	/ / /
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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
1406	1406							5"	5	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1350	3°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		R.C SERVICE
0015	0800	7¾		MIX GEL, BENEX, & ~~SAWDST~~ CIRC. MAT.

DRILLER Paul Johnson

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
1406												

DEVIATION RECORD

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

DAY TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
~~600~~	630	½		R.C SERVICE + BOP CHECK
630				PUMP DOWN PLUG, ~~MIXING~~ POURING DOWN
	1130	3		SAWDUST + KWIK SEAL, DOWN ~~CSG~~, PLUGGING off BOTT at 1220 FT.
1130	1300	1½		RUN IN. TO 1220 FT.
1300	1530	2½		BREAK CIRC AND TRY TO GET SAME BACK.
1530	~~1600~~	~~½~~		CLEAN TO BOTTOM 100' BLIND

DRILLER Paul Jacob

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
1406	1426	D			120	3	0	5	20			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1406	3¼							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		RIG SERVICE (¼ HRS) – B.O.P. (¼ HRS)
1630	1700	½		DRILLING 7⅞ HOLE BLIND
1700	1730	½		SURVEY @ 1406
1730	1830	1		- DRILLING -
1830	1945	1¼		HOIST FOR NEW BIT.
1945	2045	1		RUN IN CLEAN 30' to BOTTOM
2045	2130	¾		DRILLING 7⅞ HOLE BLIND
2130	2400	2½		WAIT ON WATER.

DRILLER Paul Jacob

EVENING TOUR

MORNING TOUR — 12:00 P.M. — 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD A JOHNSON	12
DRKMAN	600 703 466	ELMER CAMBELL	12
MTRMAN	618 941 189	KEITH OBOM	12
FIREMAN			
FLRMAN	421 362 398	RALPH CHROMIK	12
FLRMAN	623 205 606	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS 325 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	4
DRKMAN	618 284 465	RICK BELAIR	4
MTRMAN	430 255 493	LARRY BELAIR	4
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	4
FLRMAN	613 779 636	CARL SCHILLER	4
FLRMAN	446 034 015	V. Simmons	8
Welder		JAMES DESJARLAIS	8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 284 465	RICK BELAIR	8
MTRMAN	430 255 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS 310 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Canada Red Dog K29	A1		2-5-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	Thomson Drlg	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.A. Lanier

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G.R. Crumly

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5⅝-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C2500	15

LEGAL LAND DESCRIPTION: 104° 06' 43" N 125° 35' 55"

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	5 5/8		24 K55	18	752		750

SIZE 1 1/6 — NO. LINES 8 — FT. SLIPPED 80

FT. CUT OFF 40 — PRESENT LENGTH 4960

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS 38.

DRILLING CREW PAYROLL DATA

DATE Feb 5-72

WELL NAME & NO. Amoco Red Dog A1

COMPANY Thomson

TOOL PUSHER G.R. Crumly — RIG NO. 19

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 947 760	Clifford Johnson	12
DRKMAN	600 703 446	Clint Campbell	12
MTRMAN	618 961 169	Keith Crom	12
FIREMAN			
FLRMAN	421 362 894	Ralph Chromie	12
FLRMAN	623 205 606	James Blake	12
FLRMAN			
		SEND ALL C JOHNSONS CHEQUES TOO BOX 2093 WETASKIWIN	
Welder	203 426 556	ANTONIO INFANTINO	4

NO. OF DAYS 324 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 739 613	Paul Jacob	4
DRKMAN	618 284 465	Fred Belair	4
MTRMAN	430 285 493	Larry Belair	4
FIREMAN			
FLRMAN	619 064 564	Leslie Simpson	4
FLRMAN	618 779 636	Carl Schiller	4
FLRMAN	416 034 015	Dave Stineman	8

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 739 613	Paul Jacob	8
DRKMAN	618 284 465	Rick Belair	8
MTRMAN	430 285 493	Larry Belair	8
FIREMAN			
FLRMAN	619 064 564	Leslie Simpson	8
FLRMAN	618 779 636	Carl Schiller	8
FLRMAN			
Welder		James Desjarlais	

NO. OF DAYS 309 — SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		3	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		2¼	1½
7. LUBRICATE RIG		¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	
11. WIRELINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			¼
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. D.O.C.	2		
22. MIX MUD			7
23. LOST CIRC	8		

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT 360			FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
	STANDS DP			FT.
	SINGLES DP			FT.
	KELLY DOWN			FT.
	TOTAL			FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B/ GAGE	
GPM/ PD—PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.—SEC.	
PV/YP	
GELS.	
WL —CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	45 BBLS		
Gel	120 sks		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT Sub.		3.60	FT.
	STB RMR	OD		FT.
1	D.C. 8¼ ID	6¼ OD	11.90	FT.
	STB RMR	OD		FT.
9	D.C. 8¼ ID	6¼ OD	269.25	FT.
	STB RMR	OD		FT.
1	X.O. SUB		2.67	FT.
11	STANDS DP		1032.77	FT.
2	SINGLES DP		62.60	FT.
	KELLY DOWN		34.00	FT.
	TOTAL		1406.19	FT.
WT. OF STRING			58.000	LBS.

BIT RECORD

BIT NO.	7
SIZE	7⅞
MFG.	Hwd
TYPE	X1C
JET 1/32"	NONE
SER. NO.	33014
DEPTH OUT	
DEPTH IN	1392
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B/ GAGE	
GPM/ PD—PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.—SEC.	
PV/YP	
GELS.	
WL —CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT SUB		3.60	FT.
	STB RMR	OD		FT.
1	D.C. 8¼ ID	6¼ OD	11.90	FT.
	STB RMR	OD		FT.
9	D.C. 8¼ ID	6¼ OD	269.25	FT.
	STB RMR	OD		FT.
1	X.O. SUB		2.67	FT.
11	STANDS DP		1032.17	FT.
2	SINGLES DP		62.60	FT.
	KELLY DOWN		34.60	FT.
	TOTAL		1406.19	FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	7
SIZE	7⅞
MFG.	H.W
TYPE	X1C
JETS 1/32"	NONE
SER. NO.	33014
DEPTH OUT	1406
DEPTH IN	1396
TOTAL FTG.	14
TOTAL HRS. RUN	3
COND. 1/8" T/B/ GAGE	4 1 3
GPM/ PD—PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.—SEC.	
PV/YP	
GELS.	
WL —CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1300	Benex	1 Bags

MORNING TOUR

FOOTAGE / FORMATION

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 SOC'S PART'L P COM'PLETE
1392	1392							5		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1380.	3							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2330	½		W.O. Plug
2430	0000	1½		Poor Plug — get Diesel Plug.
0000	0100			W.O. Plug
0100	0800			Fill annulus w/ water — Pumped 80 BBLS NO RETURNS
				Gel Diesel Plug #2 ; 35 bbls diesel, 120 sx gel. Preceded
				With 10 BBLS DIESEL & DISPLACED WITH 5 BBLS DIESEL & 50 BBLS WATER.
				Stopped

DRILLER Clifford Johnson

DAY TOUR

FOOTAGE / FORMATION

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 SOC'S PART'L P COM'PLETE
1304	1392	R/W		out cond	100/120	3-5	0	5½	20			
1392	1406	D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1350	3							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0815	¼		Ser rig ✓ BOP's
0815	1030	2¼		Warm up D.C.'s pick up new bit & run in
1030	1200	1½		Top of plug with bit 1308 drill w 2000 Blind
1200	1230	½		Survey @ 1350
1230	1300	½		Drill out PLug.
1300	1600	3		Drill 7⅞ Hole

DRILLER Paul Jacob

EVENING TOUR

FOOTAGE / FORMATION

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 SOC'S PART'L P COM'PLETE
1406	1406							5				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1350	3							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Hoist Pipe to CASING
1630	1700	½		R.C. SERV (¼ HRS) CHECK B.O.P. (¼ HRS)
1700	2200	5		WAIT ON WATER
2200	2400	2		MIX GEL + BENEX

DRILLER Paul Jacob

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO SHELL CANEX A1 RED DOG H2q	A1		2-4-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD		THOMSON DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D.A. Samis		G.R. Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION 64° 08' 43" N 125° 34' 55" W

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
4½		24 K55	18	752		750

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	8	40

FT. CUT OFF: 40 — PRESENT LENGTH: 4960

TON MI. OR TRIPS SINCE LAST CUT: 2430 — 2 trip

CUMULATIVE TON MI. OR TRIPS:

DRILLING CREW PAYROLL DATA

DATE 2-4-72

WELL NAME & NO. AMOCO RED DOG A1

COMPANY THOMSON DRLG

TOOL PUSHER G.R. Crumly — RIG NO. 19

MORNING TOUR — 12 P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 939 760	CLIFFORD A JOHNSON	12
DRKMAN	600 703 466	CLINT CAMPBELL	12
MTRMAN	128 966 689	KEITH OROM	12
FIREMAN			
FLRMAN	421 362 698	RALPH CHROMIK	12
FLRMAN	623 705 606	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS 323 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR 0800 A.M. — 1600 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 665	PAUL JACOB	4
DRKMAN	618 294 465	RICK BELAIR	4
MTRMAN	430 295 493	LARRY BELAIR	4
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	4
FLRMAN	613 778 636	CARL SCHILLER	4
FLRMAN	416 034 015	DAVE STIRSMAN	8
WELDER		ANTONIO INFANTINO	8

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 1600 P.M. — 2400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 665	PAUL JACOB	8
DRKMAN	618 294 465	RICK BELAIR	8
MTRMAN	430 295 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 778 636	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		½	1½
7. LUBRICATE RIG		¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT Plug		3	
13. WAIT ON CEMENT	8	3	2½
14. NIPPLE UP B.O.P.		¼	¼
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. W.O.P.		¾	
22. Run Plug		¾	
23.			
COMPLETION A. PERF'R'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT 548	3.60 FT.	BIT NO.	RR
			SIZE	3 7/8
	STB RMR OD	FT.	MFG.	HW
9	D.C. OD	275.46 FT.	TYPE	X3A
	STB RMR OD	FT.	JETS 1/32"	
	D.C. ID OD	FT.	SER. NO.	33661
	STB RMR OD	FT.	DEPTH OUT	
10	SUB	2.67	DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8" T/B/ GAGE	4/4
	SINGLES DP	FT.	GPM/ PD-PSI	/
	KELLY DOWN	FT.		3/4
	TOTAL	FT.		
WT. OF STRING		LBS.		

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT	15		
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT SUB	3.60 FT.	BIT NO.	6 1/2
9			SIZE	3 7/8
	STB RMR OD	FT.	MFG.	HW
9	D.C. OD	263.66 FT.	TYPE	X3A
	STB RMR OD	FT.	JET 1/32"	
1	D.C. OD	41.90 FT.	SER. NO.	33661
	STB RMR OD	FT.	DEPTH OUT	
	X.O SUB	2.67	DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8" T/B/ GAGE	
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
WT. OF STRING		LBS.		

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DIESEL	60 BBLS		
SALT WATER	50 BBLS		

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT SUB	3.60 FT.	BIT NO.	RR 5
1	X.O SUB	.67	SIZE	7/8
	STB RMR OD	FT.	MFG.	H.W
	D.C. ID OD	FT.	TYPE	X3A
	STB RMR OD	FT.	JETS 1/32"	NONE
	D.C. ID OD	FT.	SER. NO.	33661
	STB RMR OD	FT.	DEPTH OUT	1398
			DEPTH IN	1245
			TOTAL FTG.	NIL
			TOTAL HRS. RUN	NIL
18	STANDS DP	1389. FT.	COND. 1/8" T/B/ GAGE	
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
WT. OF STRING	35,000	LBS.		

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	60 BBLs		
Salt H2O	120 BBLs		

MORNING TOUR

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 SOL-L-P PAR-EL-P COM-P-C
1392	1392											

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0630	6½		W.O.C
0630	0700	½		Clean plug to 1300 top plug @ 1299
0700	0800	1		Hoist to surface heat water for Plug #2 (- pump 25 BBLS - NO RETURNS)

DRILLER Clifford Johnson

DAY TOUR

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 SOL-L-P PAR-EL-P COM-P-C
1392	1392			Plug #2 down @ 10.3				5		5½		

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0430	½		Rig Service + BOP check
0430	1030	6		Prepare to run Plug #2 heat water
1030	1130	1		Run Plug #2 (PUMP 150 BBLS WATER)
1130	1200	½		Hoist
1200	1600	4		W.O.C
				Cement plug #2 80 sx neat + 3% $CaCl_2$ total slurry 18 bbls.

DRILLER Paul Jacob

EVENING TOUR

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 SOL-L-P PAR-EL-P COM-P-C
1392	1392											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1380	3°							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Rig Serv + B.O.P. (PUMP TOTAL 100 BBL WATER)
1630	1900	2½		W.O.C.
1900	1930	½		Run in w/ bit to Float plug @ 1318 FEET
1930	2030	1		Blow Kelly + Hoist to Run Diesel-Gel plug.
2030	2245	2¼		Rig up to Run Gel plug.
2245	2315	½		Run Gel Diesel Plug #1 & DISPLACE 35 bbl
2315	2400	¾		W.O. PLUG Gel Diesel plug #1 — 120 sx gel. in 35 bbl diesel, preceded w/ 10 bbl diesel, disp w/ 50 BBL Water in annulus.

DRILLER Paul Jacob

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE: AMOCO CANEX SHELL A1 RED DOG K29 — WELL NO. A1 — API WELL NUMBER — DATE 2-3-72
OPERATOR: AMOCO CANADA LTD — CONTRACTOR: Thomson DRLG — RIG NO. 19
SIGNATURE OF OPERATOR'S REPRESENTATIVE: J.A. Somers
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: H.R. Crumly

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	EE	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C350	16

LEGAL LAND DESCRIPTION (64°-54'-N)

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	SEE TO CSG. HD.	SET AT
	8 5/8		24 H-55 LT&C	75	752	30	750

WIRE LINE RECORD — REEL NO.
SIZE 1 1/4 — NO. LINES 4 / 1 — FT. SLIPPED NONE
FT. CUT OFF — PRESENT LENGTH
TON MI. OR TRIPS SINCE CUT 5000
CUMULATIVE TON MI. OR TRIPS 14

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5¼	2¼	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	1	¼	¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT		5	
14	NIPPLE UP B.O.P.		1½	
15	TEST B.O.P.			
16	DRILL STEM TEST		¼	
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	OTHER OUT DIRECT PLUG		1¼	
22				

COMPLETION: A. PERF'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS

DAY WORK TIME SUMMARY (OFFICE USE ONLY) 8

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS. 120
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		3.60	FT.
	STB RMR	OD		FT.
	D.C. ID	OD		FT.
9	STB RMR	OD	215.46	FT.
	D.C. ID	OD		FT.
	STB RMR	OD		FT.
	TOTAL		219.06	FT.
14	STANDS DP			FT.
	SINGLES DP		1035.21	FT.
	KELLY DOWN		13.06	FT.
	TOTAL		1230.00	FT.
	WT. OF STRING		58.000	LBS.

BIT RECORD

BIT NO.	6
SIZE	7 7/8"
MFG.	H-W
TYPE	XIG
JETS 1/32"	NONE
SER. NO.	33008
DEPTH OUT	1245
DEPTH IN	9.
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8 T/B/ GAGE	

MUD RECORD

TIME	
WEIGHT	8.4
PRESSURE GRADIENT	
VISC.-SEC.	28
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
water	500 Bbls		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT	SUB	3.60	FT.
	STB RMR	OD		FT.
1	D.C. 6¼ ID	OD 6¼	11.90	FT.
	STB RMR	OD		FT.
9	D.C. 6¼ ID	OD 6¼	263.56	FT.
	STB RMR	OD		FT.
1	SUB		2.67	FT.
	TOTAL		278.73	FT.
11	STANDS DP		1031.82	FT.
	SINGLES DP		62.66	FT.
	KELLY DOWN		10.00	FT.
	TOTAL		1392.21	FT.
	WT. OF STRING		58.000	LBS.

BIT RECORD

BIT NO.	6
SIZE	7 7/8
MFG.	H-W
TYPE	XIG
JET 1/32"	NONE
SER. NO.	33008
DEPTH OUT	1392
DEPTH IN	1245
TOTAL FTG.	147
TOTAL HRS. RUN	14½
COND. 1/8 T/B/ GAGE	3 1 I

MUD RECORD

TIME	
WEIGHT	1300
PRESSURE GRADIENT	1814
VISC.-SEC.	38
PV/YP	28
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT	SUB	3.60	FT.
	STB RMR	OD		FT.
10	D.C. 6¼ ID	OD 6¼	11.90	FT.
	STB RMR	OD		FT.
9	D.C. 6¼ ID	OD 6¼	263.56	FT.
	STB RMR	OD		FT.
1	SUB		2.67	FT.
	TOTAL		281.73	FT.
11	STANDS DP		1031.82	FT.
	SINGLES DP		62.66	FT.
	KELLY DOWN		10.00	FT.
	TOTAL		1392.21	FT.
	WT. OF STRING		58.000	LBS.

BIT RECORD

BIT NO.	6
SIZE	7 7/8
MFG.	H-W
TYPE	XIG
JETS 1/32"	NONE
SER. NO.	33008
DEPTH OUT	1392
DEPTH IN	1245
TOTAL FTG.	147
TOTAL HRS. RUN	14½
COND. 1/8 T/B/ GAGE	3 1 I

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	LINER SIZE	S.P.M.	PUMP NO.	LINER SIZE	S.P.M.	METHOD RUN SCH-S PAR-P COM-C
1277	1330	D			72	3,000 320	0	5"		23				S

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1275	¼		RIG SERVICE
1275	0330	1¼		DRLG - DRLG OUT PLUG
0330	0350	½	2	DRLG - BLINDS NO CIRC. DIESEL (LOST ALL RETURN @ 1270)
0350	0400	½	2	SURVEY - FREE P.P.
0400	0630	2½	2	DRLG
0630	0730	1		FILL PIPE CLEAN OUT AFTER CIRC
0730	0800	½	11	Schlumberger Survey. Survey added 500 BBLS drilling water

DRILLER

DAY TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	LINER SIZE	S.P.M.	PUMP NO.	LINER SIZE	S.P.M.	METHOD RUN SCH-S PAR-P COM-C
1330	1392	D		BOARD Tally 1320.99 TAPE Tally 1419/15 DIFF 1.22 NO CORRELATE	120	3-5	0	5"	20	5½				S

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0836	1/4		RIG SERVICE + BOP - ESTIMATE 700 BBLS PUMPED AWAY WHILE DRILLING (EST 30')
0836	0845	2½		DRLG
0845	1115	2½		CONDITION MUD, FILL P.P. CLEAN OUT FILL
1115	1200	¾		RUN SURVEY + SURVEY
1200	1300	2½		CLEAN TO BOTTOM
1300	1515	2½		DRILLING BLIND / NO CIRC
1515	1600	¾		RUN SURVEY W/ WIRE LINE
1600	1630	½		HOIST TO FORMATION CEMENT PLUG.

DRILLER

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	LINER SIZE	S.P.M.	PUMP NO.	LINER SIZE	S.P.M.	METHOD RUN SCH-S PAR-P COM-C
1373									5			5½		

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		FINISH OUT (EST TOP OF FLUID IN)
1630	2030	4		RUN IN OPEN END
2030	2100	½		RIG UP TO CEMENT + set Plug
2100	2230	1½		CEMENT
2230	2400	1½		W.O.C.

CEMENT PLUG #1. 300 sx neat + 3% $CaCl_2$ + 50 # gel flake. PUMPED @ 4 BPM
TOTAL 53 BBL SLURRY. NO RETURNS

DRILLER

DRILLING CREW PAYROLL DATA

DATE
WELL NAME & NO. 2-3-72
COMPANY AMOCO RED DOG A1
TOOL PUSHER H.R. Crumly RIG NO.

MORNING TOUR — P.M. 12 — A.M. 12

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN	602 999 760		12
MTRMAN	600 703 [illegible]	CLIFFORD JOHNSON	12
FIREMAN	618 961 189	CHUCK CAMPBELL	12
FLRMAN		4 HAND ORDM	
FLRMAN	421 362 888	H CHROMIX	12
FLRMAN	623 205 606	CHARLES BLAKE	12

7
5 3/4 @ 28

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAYTOUR — 1 5 6 — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN	602 759 615	PAUL JACOB	
MTRMAN	618 284 765	RICK BELAIR	
FIREMAN	430 255 492	LARRY BELAIR	8
FLRMAN			8
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 034 015	CARL SCHILLER	12
	416 034 015	DAVE STRUSSMAN	89
WELDER	203 426 356	ANTONIO INFANTINO	88
	Strussman	Relief Driller	10
	plug + rig water pump	HRS	10

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 284 765	RICK BELAIR	8
MTRMAN	430 255 492	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 034 015	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS 309 — SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Red Dog K29	A1		2-2-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada Ltd		Thomson Drlg	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
W A Barnes		G R Crumly	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	National	C250	15

LEGAL LAND DESCRIPTION 64° 7" N 125° 35'30 W

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝		24 555	18	752		750

WIRE LINE RECORD: SIZE | NO. LINES | FT. SLIPPED; FT. CUT OFF | PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 2-2-72
WELL NAME & NO. Amoco Red Dog K29 A
COMPANY Thomson Drlg
TOOL PUSHER G R Crumly RIG NO. 19

MORNING TOUR 12:00 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD JOHNSON	12
DRKMAN	600 703 466	CLINT CAMPBELL	12
MTRMAN	616 961 689	KEITH CROM	12
FIREMAN			
FLRMAN	421 362 698	RALPH CHROMIX	12
FLRMAN	623 205 606	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	4
DRKMAN	618 284 465	RICK BELAIR	4
MTRMAN	430 395 493	LARRY BELAIR	4
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	4
FLRMAN	613 778 636	CARL SCHILLER	4
FLRMAN	416 034 015	DAVE STIPSMAN	8
WELDER	203 426 556	ANTONIO IPANAFILIO	8

NO. OF DAYS 306 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 284 465	RICK BELAIR	8
MTRMAN	430 395 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 778 636	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS 305 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			1
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		¼	3¼
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		¼	¼
16. DRILL STEM TEST			
17. PLUG BACK			
18. DRILL OUT CEMENT			½
19. FISHING			
20. DIR. WORK			
21. Fail Circ	7¾	7¼	
22. Safety Mtg			¼
23. W.O.O.			2¼

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	6
SIZE	7⅞
MFG.	HW
TYPE	X16
JETS 1 32nds	
SER. NO.	33008
DEPTH OUT	
DEPTH IN	1245
TOTAL FTG.	32
TOTAL HRS. RUN	4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0600
WEIGHT	8.5
PRESSURE GRADIENT	
VISC.-SEC.	40
PV/YP	
GELS.	
WL.-CC'S.	
pH	
SOLIDS %	

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

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 PAR-EL-P COM-DC
1277					Mil			5				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1254	3							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	0015	¼		R.C SERVICE
0015	0030	1¼		CLEAN OUT FILL VALVES ON C250 + D500
0130	0230	1		PUMP DOWN DIASEL PLUG #3 NO RETURNS
0230	0300	½		PULL OUT.
0300	0800	5		Let Diasel Plug set prepare to Run Diesel Plug
				Run Diesel Plug 50-water - 36 Diesel - 20 sx Quickseal Displaced w 20 Bbls mud.

DRILLER Clifford Johnson

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
2	STB RMR 6⅝ OD	9.57	FT.
9	D.C. 6¼ ID 6¼ OD	276.20	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	Tele D	11.90	
	X-O Sub	2.67	
10	STANDS DP	940.28	FT.
	SINGLES DP		FT.
	KELLY DOWN	33.00	FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	6
SIZE	7⅞
MFG.	H.W
TYPE	X16
JET 1/32nds	
SER. NO.	33008
DEPTH OUT	
DEPTH IN	1245
TOTAL FTG.	32
TOTAL HRS. RUN	4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	1600
WEIGHT	Lost Gik
PRESSURE GRADIENT	
VISC.-SEC.	55
PV/YP	
GELS.	
WL.-CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED: GEL 2300 | TYPE: Benex | AMT. 3 Bags

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 SCL-S PAR-EL-P COM-DC
1277								5	60	5½	60	5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1260	3°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0430	½		R.C SERVICE, BOP CHECK
0830	1100	2½		Let Diasel Set Prepare to run
1100	1200	1		Diesel Plug
1200	1275	¾		Run gel diesel Plug #1
1275	1300	¼		Pull out
1300	1600	3		Fill MUD TANK W/WATER AND MIX GEL.
				D.O.B.C. PLUG # 1 — 26 BBLS DIESAL 42 SX GEL, 42 SX CEMENT. PUMPED 10 BBLS DIESAL. AHEAD 20 BBLS, 37 BBLS SWITCH, DISPLACE W 5 BBLS DIESAL & 45 BBLS MUD. + 5 BBLS MUD IN ANNULUS — NO RETURNS

DRILLER Paul Jacob

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
	STB RMR OD		FT.
9	D.C. 6¼ ID 6¼ OD	263.56	FT.
	STB RMR OD		FT.
1	D.C. 6¼ ID 6¼ OD	11.90	FT.
	STB RMR OD		FT.
9	STANDS DP	846.94	FT.
2	SINGLES DP	63.06	FT.
	KELLY DOWN	41.00	FT.
	TOTAL	1232.73	FT.
WT. OF STRING		53.000	LBS.

BIT RECORD

BIT NO.	6
SIZE	7⅞
MFG.	H.W
TYPE	X16
JETS 1/32nds	
SER. NO.	33009
DEPTH OUT	
DEPTH IN	1245
TOTAL FTG.	32
TOTAL HRS. RUN	4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	WATER
VISC.-SEC.	
PV/YP	
GELS.	
WL.-CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED: Sawdust 25 Bags

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 SCL-S PAR-EL-P COM-DC
1277		RM.		Drop 25 Bags of Sawdust ahead of Bit.	72	3.m	75	5	20	5½	60	5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1260	3°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1650	⅚		Rig Serv (T) Check B.O.P. Blind Rams. ¼
1650	1675	¼		H&O Safety meeting Talk about Blow out Pre.
1675	1900	2¼		Wait on Diesel Plug.
1900	2000	1		Clean suction tank Hook up yellow Dog to water tank
2000	2200	2		Make up Bit Mwd Downtele D and all stb. Run in
2200				Bridge off @ 814.00 Strap in
2200	2300	1		Blow Kelly Ream Bridges @ 814-825 Got circ. Back.
2300	2350	⅚		RIH to 1260
2350	3400	1⅚		Drill on Cement Plug

DRILLER Paul Jacob

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Red Dog K-29	A-1		2-1-72
OPERATOR		**CONTRACTOR**	RIG NO.
Amoco Canada LTD		Thomson DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
W A Barnes		GR Brumley	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	500	16
2	Rotiondb	C250	15

LEGAL LAND DESCRIPTION 64°-7-125-33°-30 W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24	18	752		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF		PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

DRILLING CREW PAYROLL DATA

DATE 2-1-72

WELL NAME & NO. Amoco Red Dog G-29-A1

COMPANY Thomson DRLG

TOOL PUSHER GR Brumley RIG NO. 19

MORNING TOUR 2400 P.M. 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	J Kostynuik	12
DRKMAN	601 439 276	P. Gelinas	12
MTRMAN	608 432 258	D. Bowman	12
FIREMAN			
FLRMAN	615 331 774	R. Brooks	12
FLRMAN	617 514 842	W. Lewis	12
FLRMAN	[illegible]	[illegible]	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 260	CL, Hard Johnson	8
DRKMAN	600 703 466	Clint Compbell	8
MTRMAN	618 961 199	Keith Orom	8
FIREMAN			
FLRMAN	416 234 015	D. Stimpson	8
FLRMAN	811 608 723	Gerald Michaud	4
FLRMAN	212 119 00[illegible]	John Steel	4
FLRMAN	421 362 [illegible]	RALPH CHROMIX	8
FLRMAN	623 205 606	JAMES BLAKE	8
Welder	203 426 556	Antonio Jupuftim	8

NO. OF DAYS 321 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ____ P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 739 615	Paul Jacob	4
DRKMAN	618 284 765	Rick Belair	4
MTRMAN	430 285 493	Larry Belair	4
FIREMAN	[illegible]		
FLRMAN	619 061 564	Leslie Simpson	4
FLRMAN	613 798 636	Carl Schiller	4
FLRMAN			

NO. OF DAYS 305 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		¼	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		1½	2
7. LUBRICATE RIG	¼	¼	¼
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			¼
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Mix Mud	2½	5½	5¼
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	4	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. W/O D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diaseal	94 5xs		
Quik Seal	40 5xs		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	3.60	FT.
2	STB RMR OD	9.57	FT.
9	D.C. ID OD	276.20	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	Kelly D.	11.90	
	TA Sub.	2.69	
19	STANDS DP	940.25	FT.
	SINGLES DP		FT.
	KELLY DOWN	33.00	FT.
	TOTAL	1277.02	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	6
SIZE	7 7/8
MFG.	HW
TYPE	X1C
JET 1/32"	NONE
SER. NO.	3008
DEPTH OUT	
DEPTH IN	1245
TOTAL FTG.	32
TOTAL HRS. RUN	? 4
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	8.5
PRESSURE GRADIENT	
VISC.-SEC.	42
PV/YP	/
GELS.	/
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
Spud Pac	20 Sx		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
13	STANDS DP	1277	FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/
GELS.	/
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Drispac	800#		
Quickseal	800	20 sks	
Gel	1000#		

MORNING TOUR

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-PARTIAL-P COMP-C
				#1 plug displaced w/20 bbls ✓								

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2415	¼		Rig Service
2415	0330	3¼		Mix Diaseal (mix) plug. 50 water 47-Diaseal 20 gal [illegible]
0330	0430	½		Pump down hole. Pull out of hole
0430	0800	3½		Mix Diaseal plug #2 pump down displace line Plug No 2 same @ No I 130 bbls pumped into formation

DRILLER [illegible]

DAY TOUR

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-PARTIAL-P COMP-C
[illegible]					100	3000	100	6	64			
1269	1277	8										

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Ser. Complete B.O.P ✓ blind rams hydrils & pipe rams ✓ motor, shut offs
0830	1400	5½		Mix 400 bbls of Loss Circ material Pumping down same. REGAIN CIRC
1400	1530	1½		RUN IN Slow. BREAK CIRC.
1530	1545	¼		DRLG (Lost CIRC.)
1545	1600	¼		Mix mud. Lost 250 Bbls. IN SYSTEM.

DRILLER C Johnson

EVENING TOUR

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-PARTIAL-P COMP-C
1277								5	60	5½	60	5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1254	3							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		R.G SERVICE
1615	1645	½		PULL OUT 100 SURFACE CSG.
1645	1800	1¼		BUILD VOLUME MIX MUD
1800	1900	1		Pull out RUN IN OPEN END. 100 Bottom CSG
1900	2350	4½		MIX DIASEAL PLUG Pump plugging up
2350	2400	½		RUN IN OPEN END. Pumped 150 bbls to formation

DRILLER [illegible]

Form 3T5 — APPROVED — APPROVED

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

APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Howard A Hilly Co Tr	1		1-31-72

OPERATOR	CONTRACTOR	RIG NO.
Shamrock Energy Inc.	Thomas Drlg	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L. Hamm	JR Crumby

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6¼	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D375	16
2	National	9-P	16

LEGAL LAND DESCRIPTION 64-7-12S-33-W GI

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8-5/8		24 K-55	1	22		12

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-31-72

WELL NAME & NO. Howard A Hilly Co Tr #1

COMPANY Shamrock

TOOL PUSHER JR Crumby RIG NO. 19

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 20 4442	L Kautzmb	12
DRKMAN	601 47 2076	F Schaa	12
MTRMAN	603 50 2228	D Baumann	12
FIREMAN			
FLRMAN	615 35 1224	K Brooks	12
FLRMAN	617 54 8412	W. L. Lewis	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN	611 60 8135	Gerald Michaud	8
FLRMAN	416 03 4015		8
FLRMAN	612 11 9001	John Mittel	8
			9

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — 4 P.M. — 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 94 7460	CLIFFORD JOHNSON	12
DRKMAN	600 72 3486	CLINT CAMPBELL	12
MTRMAN	604 24 4[illegible]	KIETH ORSM	12
FIREMAN	472 36 2695		12
FLRMAN	615 29 [illegible]	ROBERT CHROMIK	12
FLRMAN	615 29 [illegible]	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS 320 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	3¾		
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE	½		
6	TRIPS	1½		¼
7	LUBRICATE RIG	¼		¼
8	REPAIR RIG			1
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¼		
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	Mix Mud	2	6	5¼
22				
23				¾
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS	8	4	4

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD 20

CUMULATIVE ROTATING HRS. 1017½

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
2	STB RMR 6 1/16	9.27	FT.
	D.C. ID 6 1/16 OD	214.30	FT.
	STB RMR OD	—	FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
18	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	25	FT.
	TOTAL	1269	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	6
SIZE	7⅞
MFG.	Hbi
TYPE	X16
JETS 1/32"	4-16
SER. NO.	23005
DEPTH OUT	in
DEPTH IN	1245'
TOTAL FTG.	24
TOTAL HRS. RUN	3¾
COND. 1/8's T/B/ GAGE	/ /
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0230	0500
WEIGHT	7.5	8.5
PRESSURE GRADIENT	440	440
VISC.-SEC.	35	38
PV/YP	/	/
GELS.	/	/
WL -CC'S.		
pH	80	80
SOLIDS %		
Filter Cake		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		

MORNING TOUR

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 PARTIAL-P COMPLET.-C
1245'	1269			Red Bed & Sds	100	2-4	200	5	65			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1254	¾°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2405	¼		Rig Serv. + B.O.P.'s
2405	0345	1¼		Run in hole. Replace hose to pump.
0345	0300	1¼		Circ.
0300	0330	½		Survey (3° decrease Drift)
0330	0600	2½		Circ.
0600				Rig up complete rig on July Unit @ 1269
	0700	2		Mix mud.

DRILLER Kautzmb

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 PARTIAL-P COMPLET.-C
1269												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800				Mix Mud. Test Lines on 50 & 100 bbl
				tanks + pump down ✓ B.O.P's
				Pump down thick slurry of sawdust
	0900			Mix + Pump last cks.
				250 bbls pumped to Kill

DRILLER

MUD RECORD

TIME	0700	0900
WEIGHT	8.5	8.5
PRESSURE GRADIENT	440	440
VISC.-SEC.	40	45
PV/YP	/	/
GELS.	/	/
WL -CC'S.		
pH	9.0	9.0
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	450 sx		
Sawdust	1470 sx		
Benex	2 sx		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0700	0900
WEIGHT	8.5	8.5
PRESSURE GRADIENT	440	440
VISC.-SEC.	40	45
PV/YP	/	/
GELS.	/	/
WL -CC'S.		
pH	9.0	9.0
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	450 sx		
Sawdust	1470 sx		
Benex	2 sx		

EVENING TOUR

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 PARTIAL-P COMPLET.-C
1269				Drlg w/ 11 Bumper Sub								

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Service.
1615				Trip out for Trip & bottom test mud
	1815	2		trip out to surface 100 bbls
1815	2200	3¾		Mix mud in tanks
2200	2300	1		Pull out run in open end mud rod
2300	2400	1		Run [illegible]
				Work on motors [illegible]

DRILLER Ford Johnson

MUD RECORD

TIME		2200
WEIGHT		8.5
PRESSURE GRADIENT		
VISC.-SEC.		60
PV/YP	/	/
GELS.		
WL -CC'S.		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500#		
Benex	4#		
Sawdust	755x		

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elmo Conway C #1	#1		1-30-12

OPERATOR	CONTRACTOR	RIG NO.
Elmer Corporation	Thompson Drlg.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L. K. Brown	H R Kennedy

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6⅜-1	EH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Ideco	700	16
2	National	370	15

LEGAL LAND DESCRIPTION: 4.1° 4-12S - [illegible]

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
8-5/8		24	22	1-2		7[illegible]

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			6½
6	TRIPS		24	4½
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT-OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	Mix Mud	8	6	6¼
	Pump & Tools			
22				1

COMPLETION: A. PERF'R'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS: 4

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	5
SIZE	7⅞
MFG.	HW
TYPE	X3A
JETS 1/32"	
SER. NO.	23661
DEPTH OUT	
DEPTH IN	1027
TOTAL FTG.	218
TOTAL HRS. RUN	25½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME			
WEIGHT			9.7
PRESSURE GRADIENT			
VISC.-SEC.			42
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sawdust	320 lbs		
Gel	17500#		
Lime	17 bgs		

MORNING TOUR

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 SCHL-S PARFL-P COMP-C
12+/-												

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2:00	5:00			Mix mud and water to [illegible]
5:00				Fill to [illegible] & Start out
	6:00	6		Run in hole and circulate mix mud
				[illegible]
				[illegible] Test
				Test 600 PSI

DRILLER [illegible]

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT 5		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	5
SIZE	7⅞
MFG.	HW
TYPE	X3A
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	25½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME			
WEIGHT	9.3+		
PRESSURE GRADIENT			
VISC.-SEC.	40-45		
PV/YP	[illegible] /	/	/
GELS	[illegible] /	/	/
WL-CC'S	[illegible]		
pH	[illegible] PH		
SOLIDS %	[illegible]		
	WS MUD		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sawdust	1100#		
Gel	1900#		
Salt mud	2500#		
BARITE	6000#		

DAY TOUR

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 SCHL-S PARFL-P COMP-C

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0915	¼		Rig Service ✓ BOPS
0915				Fill mud Tanks mix mud & Sawdust
	1700			Run [illegible] (Drill in hole)
1250	1255	3¾		Drill bottom Hard [illegible] & Ream
12 NO	1345	1¾		Hook out pick up single Run in open end
1345	1400	1¼		Mix 2 sack Plug
				Check [illegible] Pipe [illegible] Last 600 #lbs
				[illegible]

DRILLER [illegible]

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT 5&2	360	FT.
2	STB RMR OD	457	FT.
9	D.C. ID OD	276.20	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	Reed	490	
		269	
9	STANDS DP	909.63	FT.
2	SINGLES DP		FT.
	KELLY DOWN	33.57	FT.
	TOTAL	1239	FT.
WT. OF STRING		18555	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME			1800
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			39
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2100#		
Caustic	50#		
Starch	500#		

EVENING TOUR

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 SCHL-S PARFL-P COMP-C
				Mix [illegible] Plug								
				100 - [illegible]								
				60 - [illegible]								
				25 - Last Pit 10 - Surface								

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Service
1615	1815	2		Mix 2 sack Plug
1815	1915	1		Pump [illegible] Plug
1915	1945	½		Hook out Lay down Two Lay Singles
1945	2400	4¼		Mix mud in tanks

LEE-TEXAS CONSERVATION ENGINEER DISTRICT NINE SUBDISTRICT TWO

FORM [illegible]

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER

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

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	5
SIZE	7⅞
MFG.	HW
TYPE	X3A
JETS 1 32"	
SER. NO.	45601
DEPTH OUT	
DEPTH IN	1037
TOTAL FTG.	
TOTAL HRS. RUN	25½
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.–SEC.				
PV YP	/	/	/	
GELS	/	/	/	
WL –CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	25½
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.–SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL –CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
2	STB RMR OD	9.57	FT.
9	D.C. ID OD	276.10	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
1	STB RMR OD	30.69	FT.
1	STANDS DP	919.63	FT.
1	SINGLES DP	32.31	FT.
	KELLY DOWN		FT.
	TOTAL	1343.50	FT.
	WT. OF STRING	195	LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.–SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL –CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0300	0315	¼		
0315				
	1200			
1200	1230	3¾		
1230	1345	1¼		
1345		2¼		

DRILLER

EVENING TOUR

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

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1115	¼		
1115	1215	2		
1215	1315	1		
1315	1345	½		
1345	1400	9¼		

DRILLER

Form 3T5 APPROVED APPROVED

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

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible]	1		1-19-71

OPERATOR	CONTRACTOR	RIG NO.
Hanks Exploration LTD	Thunderbird Drlg	11

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L.R. Hanks	A.R. Crumley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	6.5	FH		1	[illegible]	[illegible]	11"
						2	BOT	[illegible]	15"

LEGAL LAND DESCRIPTION: [illegible]

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8⅝		J	16	702		710

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-19-71

WELL NAME & NO. [illegible]

COMPANY Thunderbird Drlg

TOOL PUSHER A.R. Crumley RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7		5
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE		6	5½
6	TRIPS		1	¾
7	LUBRICATE RIG	¼		¼
8	REPAIR RIG		1	¼
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¾		¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			¼
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING		5	
20	DIR. WORK			
21	WAITING ON CMT			½
22				
23				
COMPLETION	A. PERF'RT'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS		8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT 5⅜		710	FT.
2	STB RMR 4¾ OD		9.57	FT.
9	D.C. ID 2¼ OD		976.20	FT.
	STB RMR OD			FT.
	D.C. ID OD			FT.
	STB RMR OD			FT.
	TJ-D		11.90	FT.
	[illegible]		367	FT.
	STANDS DP			FT.
	SINGLES DP			FT.
	KELLY DOWN		32.00	FT.
	TOTAL		1108	FT.
WT. OF STRING			29,000	LBS.

BIT RECORD

BIT NO.	5
SIZE	7⅞
MFG.	Hw
TYPE	J22
JETS 1/32"	3-13
SER. NO.	33661
DEPTH OUT	
DEPTH IN	1027
TOTAL FTG.	131
TOTAL HRS. RUN	20½
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	2400	0300	0500
WEIGHT	9.0	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	37	35	38
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH	9.0	9.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	14 sx		
Benex	3 sx		
Sawdust	10 sx		

MORNING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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 SCHLUM. PARTIAL COMPLETE
1102	1212				100	4	[illegible]	[illegible]	[illegible]			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1100	3/4		1150	3/4				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0430	½		Drlg 7⅞ hole
0430	0430	½		Rig up Schl. Survey (misrun) Survey
0430	0445	¼		Drlg 7⅞ hole Losing mud
0445	0515	½		Survey
0515	0600	2½		Drlg 7⅞ hole Losing mud
				Pick up 250

DRILLER [illegible]

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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 SCHLUM. PARTIAL COMPLETE
1212	13				[illegible]							

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0300	0915	1¼		Pull out of hole w/ mud motor
0915	0945	½		Pump thru 100' of 1½ no returns
0945	1100	1¼		Pull out to 500' mix mud for Plugging
1100	1500	4		Plugged Set 5 Plug out
1500	1600	1		Pick up bit & DC's trip in hole w/ DP
				Mix mud
				300 ok to cut

DRILLER [illegible]

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

MORNING TOUR 4:00 P.M. 4:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	12
DRKMAN	[illegible]	[illegible]	12
MTRMAN	[illegible]	[illegible]	12
FIREMAN			
FLRMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	12
FLRMAN	212-17-[illegible]	T. McCall	8
	[illegible]	[illegible]	4
	[illegible]	D [illegible]	4
		[illegible]	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR A.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN	[illegible]	John Mullin	8
FLRMAN	[illegible]	D Richard	8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT 5⅜		360	FT.
2	STB RMR OD		9.57	FT.
9	D.C. ID OD		976.20	FT.
	STB RMR OD			FT.
	D.C. ID OD			FT.
	STB RMR OD			FT.
	[illegible]		1176	FT.
	[illegible]		367	FT.
4	STANDS DP		908.86	FT.
1	SINGLES DP		31.63	FT.
	KELLY DOWN		32.00	FT.
	TOTAL		1245	FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	5
SIZE	7⅞
MFG.	Hw
TYPE	J22
JETS 1/32"	3-13
SER. NO.	33661
DEPTH OUT	
DEPTH IN	1027
TOTAL FTG.	218
TOTAL HRS. RUN	23½
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	2100		
WEIGHT	9.3		
PRESSURE GRADIENT			
VISC.-SEC.	44		
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	200 sx		
Sawdust	150 sx		

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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 SCHLUM. PARTIAL COMPLETE
1218	1245				100	3/2	300	5	½			S

LOSSING A LITTLE MUD STEADILY - THICK HOLE WILL TAKE LOTS OVER 5 MIN LAG

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1221	2°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Mix mud
1630	1700	½		RU [illegible] Dynamite. ¼ hr
1700	1730	½		RD [illegible] Shoot Dyn. Fish Quad Combo
1730	1800	½		Run [illegible]
1800	1815	¼		[illegible] ON / 2330 - 2420 - Lost circ. Continue to mix mud.
1815	1630	¼		Drlg
1630	1645	¼		Survey 100
1645	2330	7¼		Drlg 3 mud Losing

DRILLER [illegible]

NO. OF DAYS 3/86 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. 5 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	12
DRKMAN	[illegible]	[illegible]	12
MTRMAN	[illegible]	[illegible]	12
FIREMAN			
FLRMAN	[illegible]	[illegible]	
FLRMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	

[illegible] Box 2073 [illegible]

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

FORM 3T5 APPROVED APPROVED CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO. 35

LEASE	WELL NO.	API WELL NUMBER	DATE
Navajo Tribal Dev. C-29	#1		1-28-72

OPERATOR	CONTRACTOR	RIG NO.
Hanna Exploration Corp.	Four Corners Drlg.	17

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L.K. Farmer	D.R. Kennedy

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-I	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16"
2	National	12-P-160	12"

LEGAL LAND DESCRIPTION: 24-T41N-R25E, San Juan, N.M.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 J-55	12	502		510

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-28-72

WELL NAME & NO. Navajo Trib. Dev. C-29 #1

COMPANY Farmer

TOOL PUSHER D.R. Kennedy RIG NO. 17

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	Fred Kitsos	12
DRKMAN	[illegible]	Phil Nelson	12
MTRMAN	[illegible]	Tony Simmons	12
FIREMAN			
FLRMAN	[illegible]	[illegible] Bruce	12
FLRMAN	[illegible]	Duane Lewis	12
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN	610 [illegible] 013	Dale Stevens	12
FLRMAN	510 119 002	John McSteil	12
FLRMAN	611 [illegible] 123	Gerald Muskrat	9
[illegible]	602 214 082	Tom Benallie	12

Dave Stinsman clock hrs on 25th 26

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — 4 P.M. — 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 [illegible] 760	Clifford Johnson	12
DRKMAN	602 723 486	Clint Campbell	12
MTRMAN	602 [illegible] 569	Kieth Oram	12
FIREMAN			
FLRMAN	421 [illegible]	Ralph Chromix	12
FLRMAN	615 [illegible]	James Blake	12
FLRMAN			

NO. OF DAYS 17 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5¼	5¾	5
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	1¾	1	1½
7	LUBRICATE RIG		¼	¼
8	REPAIR RIG	½		
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	½	¼	
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS		8	6¾	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	Sub	3.60 FT.
	STB RMR	6 7/8 OD	6.07 FT.
20	D.C. ID	6 1/8 OD	370.21 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	Tele-drift		11.90 FT.
	STANDS DP		615.21 FT.
	SINGLES DP		1.15 FT.
	KELLY DOWN		16 FT.
	TOTAL		1065 FT.
WT. OF STRING		64,000	LBS.

BIT RECORD

BIT NO.	#4	#5
SIZE	7⅞	7⅞
MFG.	Hug	Hug
TYPE	X3A	X3A
JETS 1/32"	3-11	3-11
SER. NO.	23269	23264
DEPTH OUT	1039	
DEPTH IN	752	1039
TOTAL FTG.	375'	35'
TOTAL HRS. RUN	12½	¾
COND. 1/8's T/B/ GAGE	1 I I	
GPM/ PD-PSI	/50	/

MUD RECORD

TIME	9400	0200	0600
WEIGHT	8.5	8.5	8.4
PRESSURE GRADIENT	445	446	440
VISC.-SEC.	32	32	32
PV/YP	/	/	1/2
GELS.	/	/	0/0
WL.-CC'S.			160+
pH			10.5
SOLIDS %			4

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	5%		

MORNING TOUR

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 PAR'L.-P CONT.-C
496	1065	DR			80	4	100	5	65			
					70	4	850	5	65			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1037	2½		1062	2½				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2100	0230	5½	22	DRLG Last Mud Log was at 2966' Last of mud from Bit #4
0230	0330	1		Drop survey bar, out Rig Ser.
0330	0345	½		Clean up Trip Nipple Retrieve Valve
0345	0445	1		Trip in hole.
0445	0750	3¼	22	DRLG
0750	0830	½		Survey. Hole Tight
0830	0900	½	2	Drlg

DRILLER [signature]

EVENING TOUR

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 SCL.-S PAR'L.-P CONT.-C
1065	1129	D			100	4	800	5	64			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1090	3¼		1121	3				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	0815	¼		Rig Ser. ✓ B.O.P.
0815	1100	2¼	22	DRLG 7⅞ hole.
1100	1115	¼		SURVEY
1115	1315	2	2	DRLG
1315	1345	½		SURVEY CIRC TOO SURVEY
1345	1445	1	1	DRLG 1-4000
1445	1545	1		Blow Lines & Hoist — Bl. no Rams.
1545	1600	¼		Wash Ankle iron Ram Blow Sub

DRILLER [signature]

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	Sub	3.60 FT.
1	STB RMR	7⅞ OD	6.07 FT.
20	D.C. ID	6 1/8 OD	540.21 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	Tele-drift		11.90 FT.
5	STANDS DP		469.37 FT.
1	SINGLES DP		31.49 FT.
	KELLY DOWN		15.39 FT.
	TOTAL		1128 FT.
WT. OF STRING		64,000	LBS.

BIT RECORD

BIT NO.	#5	
SIZE	7⅞	
MFG.	Hug	
TYPE	X3A	
JET 1/32"	3-12	
SER. NO.	31611	
DEPTH OUT		
DEPTH IN	1039	
TOTAL FTG.	184	
TOTAL HRS. RUN	8½	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	/

MUD RECORD

TIME			1400
WEIGHT			8.5
PRESSURE GRADIENT			R. Tucson
VISC.-SEC.			39
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	900		
Sawdust	10		
Caustic	100		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	543	3.60 FT.
2	STB RMR	6" OD	9.57 FT.
8	D.C. ID	OD	276.20 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
1	Tele-drift		11.90 FT.
	[illegible]		2.67
	STANDS DP		844.54 FT.
	SINGLES DP		31.00 FT.
	KELLY DOWN		33.20 FT.
	TOTAL		1159 FT.
WT. OF STRING		50,000	LBS.

BIT RECORD

BIT NO.	#5	
SIZE	7⅞	
MFG.	HUG	
TYPE		
JETS 1/32"	3-12	
SER. NO.	33661	
DEPTH OUT		
DEPTH IN	1039	
TOTAL FTG.	124	
TOTAL HRS. RUN	13½	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	/

MUD RECORD

TIME			0700
WEIGHT			8.6
PRESSURE GRADIENT			
VISC.-SEC.			43
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	Last	11 Plex	
pH	300	801	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	300#		
Bentex	10#		
Caustic	10 lbs		

EVENING TOUR

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 PAR'L.-P CONT.-C
1125	1151	DR			100	4	800	5½	64			

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		R.C. Service
1615	1730	1¼		Wiring up [illegible] to Drillers
1730	1900	1½		Mix Pill Up Joint DC Strap DC Swivel Rig Up
1900	2400	5		DRLG 3-4000 Loosing mud

DRILLER [signature]

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Fed Dog C-29	A-1		

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	Thomson Drlg	17

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L.R. Hamer	L.R. Lounsbury

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	6¼	FH		1	EMSCO	D60	14
						2	OPI	500	12

LEGAL LAND DESCRIPTION 64-7-10 W5M

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8-5/8		24	18	1241		1255

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-8-72

WELL NAME & NO. Amoco Fed Dog C-29 A-1

COMPANY Thomson Drlg

TOOL PUSHER RIG NO.

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	14½	7	6½
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	½	¼	¼
8	REPAIR RIG	½		
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¼	½	1
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING		8	6
20	DIR. WORK			
21	Twist Off			
22	Loss Circ.	¼		
23				

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'NL; G.

TOTALS

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. W/O D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	8 3/4	311 FT.
	STB RMR	OD	FT.
20	D.C. ID 2¼	OD 6¼	590.24 FT.
	STB RMR	6¼ OD	607 FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	Trip	11.10	
3	STANDS DP		189.12 FT.
1	SINGLES DP		31.16 FT.
	KELLY DOWN		13.59 FT.
	TOTAL	864	FT.
	WT. OF STRING	140,000	LBS.

BIT RECORD

BIT NO.	1
SIZE	7⅞
MFG.	HW
TYPE	X3A
JETS 1/32"	NOZ
SER. NO.	33667
DEPTH OUT	
DEPTH IN	752
TOTAL FTG.	112
TOTAL HRS. RUN	
COND. 1/8"s T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP				
GELS.				
WL -CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	45	Caustic	1 Sks
Gel	10	Lime	2 Sks
Caustic			
Kwikseal	15		

MORNING TOUR

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 SURV.-S PAR.-P RI.-R COMB.-C
938	996	D		Ass'n	140	4	175	5	65			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
965	2½	496	2½					

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1	1	DRLG 2-4 mm
1700	1715	¼		R.S. Service
1715	2100	3¾	3½	DRLG 2 Yoo
2100	2130	½		Survey (no [illegible])
2130	2315	1¾	1½	DRLG 4-6mm
2315	2345	½		Survey (no [illegible])
2345	2400	¼	¼	DRLG

DRILLER [illegible]

EVENING TOUR

BIT RECORD

BIT NO.	1
SIZE	7⅞
MFG.	HW
TYPE	X3A
JETS 1/32"	NOZ
SER. NO.	33667
DEPTH OUT	
DEPTH IN	752
TOTAL FTG.	244
TOTAL HRS. RUN	19¾
COND. 1/8"s T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	16hrs	19hrs	22hrs
WEIGHT	8.5	9.5	8.5
PRESSURE GRADIENT	.442	.493	.442
VISC.-SEC.	29		
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sawdust	10 Sks		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	8 3/4	360 FT.
	STB RMR	OD	FT.
20	D.C. ID 2¼	OD 5	590.24 FT.
	STB RMR	6¼ OD	607 FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	Tele Drift	11.90	
4	STANDS DP		376 FT.
	SINGLES DP		FT.
	KELLY DOWN		9.50 FT.
	TOTAL	986	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	1
SIZE	7⅞
MFG.	HW
TYPE	X3A
JETS 1/32"	NOZ
SER. NO.	33667
DEPTH OUT	
DEPTH IN	752
TOTAL FTG.	244
TOTAL HRS. RUN	19¾
COND. 1/8"s T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	16hrs	19hrs	22hrs
WEIGHT	8.5	9.5	8.5
PRESSURE GRADIENT	.442	.493	.442
VISC.-SEC.	29		
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sawdust	10 Sks		

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 SURV.-S PAR.-P RI.-R COMB.-C
752	938	D		Ass'n	140	4	0	5	65			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
703	2½	934	3					

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1030	2½	2½	DRLG
1030	1045	¼		Rig Ser. ✓ B.O.P's
1045	1100	¼		Survey
1100	1200	1	1	DRLG
1200	1215	¼		Conservation BD check
1215	1505	3	3	DRLG 2-4mm on Bit
1505	1530	¼		Survey
1530	1600	½		DRLG 2-4mm

DRILLER

MORNING TOUR P.M. A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	Fred Kostynuk	12
DRKMAN	[illegible]	Phil Johnson	12
MTRMAN	[illegible]	Jerry Bowman	12
FIREMAN			
FLRMAN	[illegible]	Adam Arnoke	12
FLRMAN	[illegible]	Duane Lewis	12
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR 4 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN	416 034 [illegible]	DAVE STEESMAN	9
FLRMAN	212 119 [illegible]	John McGirl	9
FLRMAN	611 606423	Gerald Michaud	9
	602 314 [illegible]	Ted Gregory	12

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 [illegible]	ELMER Johnson	12
DRKMAN	600 702 [illegible]	KENNETH ENDRESS	12
MTRMAN	615 961 169	KEITH OBRIEN	12
FIREMAN			
FLRMAN	421 362 [illegible]	RALPH CHROMIK	12
FLRMAN	623 [illegible]	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS 315 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible]	[illegible]		1-26-70

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	[illegible]	11

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
T P Thomsen	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	6¼	F H		1	Emsco	D-10	11
						2	Emsco	D-8	10

LEGAL LAND DESCRIPTION: [illegible] 7-14S-35W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝		36 J-55	12	502		520

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-26-70

WELL NAME & NO. [illegible]

COMPANY Amoco Prod. Co.

TOOL PUSHER [illegible] RIG NO. 11

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL		9½	12½
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			3¼
6	TRIPS	1	1½	2¼
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE	5¼	¾	
10	DEVIATION SURVEY		1	
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.	½	1	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING	¾		¼
20	DAC WORK [illegible]			1
21				
22				
23	[illegible]		1½	
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	15
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT X33	FT.	BIT NO. 1		TIME	
			SIZE	7⅞	WEIGHT	
	STB RMR OD	FT.	MFG.	HTC	PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE	X3A	VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"	3-10	PV/YP	/ / /
4	D.C. ID OD	FT.	SER. NO.	33667	GELS	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
1	[illegible] OAK 11.90		DEPTH IN	750	pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8"s T/B/ GAGE		MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.	
	SINGLES DP	FT.	GPM/ PD--PSI	/		
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING	60,000	LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO. 1		TIME	
	8¼ 5¼	740	SIZE	7⅞	WEIGHT	
	STB RMR OD	FT.	MFG.	HTC	PRESSURE GRADIENT	
20	D.C. ID 5¾ 6¾ OD	590.21 FT.	TYPE	X3A	VISC.-SEC.	
1	STB RMR 8¼ OD	607 FT.	JET 1/32"	3-10	PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.	33667	GELS	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
	Total	1190	DEPTH IN	750	pH	
			TOTAL FTG.	382	SOLIDS %	
			TOTAL HRS. RUN	2		
	STANDS DP 2	189.12 FT.	COND. 1/8"s T/B/ GAGE		MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.	
	SINGLES DP	350 FT.	GPM/ PD--PSI	/		
	KELLY DOWN	10 FT.			WATER	
	TOTAL	834 FT.				
WT. OF STRING	64,000	LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT X3A	FT.	BIT NO. 1		TIME	
	8 1/4 5 3/4	740	SIZE	7⅞	WEIGHT	9.4
	STB RMR OD	FT.	MFG.	HTC	PRESSURE GRADIENT	3360
20	D.C. ID 5¾ 6¾ OD	590.21 FT.	TYPE	X3A	VISC.-SEC.	38
1	STB RMR 8¼ OD	607 FT.	JETS 1/32"	10-10-10	PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.	33667	GELS	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
	Rig Repair	1190	DEPTH IN	750	pH	
			TOTAL FTG.	102	SOLIDS %	
			TOTAL HRS. RUN	3¼		
	STANDS DP 3	FT.	COND. 1/8"s T/B/ GAGE		MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.	
	SINGLES DP	FT.	GPM/ PD--PSI	/	Gypsol 20 BBLS	
	KELLY DOWN	45 FT.			Caustic 2 BBLS	
	TOTAL	834 91 FT.				
WT. OF STRING	64,000	LBS.				

MORNING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

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 PARTI--P COMPL--C
				HELD 1500# O.K.								
				PRESSURE TESTED HYDRIL TO 2000 PSI								

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0615	6¼		[illegible]
0615	[illegible]	¼		[illegible]
[illegible]	[illegible]	½		[illegible]
[illegible]	0830	2		[illegible]
0830	[illegible]	½		[illegible]
[illegible]	0930	1		[illegible]
[illegible]	[illegible]	½		[illegible]

DRILLER [illegible]

DAY TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

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 PARTI--P COMPL--C
752	824	DR			120	7-10	1500	5½	65			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
803	2¼		824	3¼				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0300	0815	5¼		Rig Serv. (Pressure tested hydril to 2000 PSI O.K.
0815	0900	¾		Work on air compressor. (Pressure held 2000 PSI)
0900	1000	1		Pressure test hydril & Kelly cock upper & lower (O.K.)
1000	1130	1½		Drill out cement, plug & shoe 4-600
1130	1230	1		Drill 7⅞ hole
1230	1300	½		Survey @ 803 1½° Trip out put on
1300	1400	1		Drill 1½ stabilizer
1400	1430	½		Survey

DRILLER [illegible]

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

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 PARTI--P COMPL--C
434	634	DR			120	2-4m	1400	5½	65			
				LOST FULL RETURNS								
				TOOH		TOOH						

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Service
1615	1645	½		Run in
1645	1930	3¼		Drlg. Losing Circ.
1930	1945	¼		Wait on water
1945	1915	-1		Drlg.
1915	1945	½		Wait on water
1945	2000	¼		Wait on water Regain Circ.
2000	2100	1		Drlg. Regain Circ.
2100	2130	½		Trip out

DRILLER [illegible]

DRILLING CREW PAYROLL DATA

MORNING TOUR — P.M. [illegible] A.M. 7

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	5
DRKMAN	[illegible]	[illegible]	4
MTRMAN	[illegible]	[illegible]	4
FIREMAN			
FLRMAN	[illegible]	[illegible]	5
FLRMAN	[illegible]	[illegible]	5
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. _____ P.M. _____

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	5
DRKMAN	[illegible]	[illegible]	5
MTRMAN	[illegible]	[illegible]	5
FIREMAN			
FLRMAN	[illegible]	[illegible]	5
FLRMAN	[illegible]	[illegible]	5
FLRMAN	[illegible]	[illegible]	5
	[illegible]	[illegible]	4

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — 4 P.M. 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	5
DRKMAN	[illegible]	[illegible]	5
MTRMAN	[illegible]	[illegible]	5
FIREMAN			
FLRMAN	[illegible]	[illegible]	5
FLRMAN	[illegible]	[illegible]	5
FLRMAN			

NO. OF DAYS 314 SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Et Al Red Dog A-19	A1		1-25-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada LTD		Thomson Drilling	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
L. R. Hanson		W. A. Crumley	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5⅜6	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16
2	Wirth	C-250	15

LEGAL LAND DESCRIPTION 64° 7" 135° 33" 30 W

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9⅝		94 H-40	19	752		750

WIRE LINE RECORD REEL NO. 1

SIZE	NO. LINES	FT. SLIPPED
1/4	8	None

FT. CUT OFF: None — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS: 100

DRILLING CREW PAYROLL DATA

DATE 1-25-72

WELL NAME & NO. Amoco Red Dog A-19

COMPANY Thomson Drilling

TOOL PUSHER _____ RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS		1	
7	LUBRICATE RIG	1/4		1/4
8	REPAIR RIG	1 1/4	7	1 1/4
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			1/4
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	14
CUMULATIVE ROTATING HRS.	61
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
1	BIT		FT.
	X.O. SUB 6¼	3.60	
	STB RMR 6¼	11.90	FT.
	18 D.C. 6¼	550.24	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	1
SIZE	7⅞
MFG.	H.C.
TYPE	J3A
JETS 1/32"	3/16 3/16
SER. NO.	33667
DEPTH OUT	
DEPTH IN	750
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

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 PARTIC'S CONTSC
								5"			5½	S

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2425	1/4		D.C SERV. ✓ B.O.P.
2425	0800	7 3/4		PRESSURE U.P. ON HYDRILL SEAL IN Hydril WORK AIN'T Hole WORK Hydrill Control TRY TO LOOSEN SAME

DRILLER Fred Hart

NO. OF DAYS 304 SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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 PARTIC'S CONTSC

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0900	1		T.I.H. OUT 14 Hole
0900	1400	9		Time out Blowout manifold Trans Up Pipe and Hydrill 4 Lines Run Pipe and Spear Into 4 Lines Run Tbg out Laid down Spear Sinker Line

DRILLER Fred Hart

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
1	BIT 7⅞		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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 PARTIC'S CONTSC
				Pressure Tested Extension & Manifold To 2500 P.S.I. Held OK.								

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1745	1 1/4		Repair 3" Cameron - Top Value on BOP
1745	1800	1/4		Pressure Test manifold
1800	2000	2		Break bonnet on Hydrill Change Seals

DRILLER Fred Hart

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	FRED FOSTYNIUK	12
DRKMAN	[illegible]	Pete Collins	12
MTRMAN	[illegible]	Gary Simpson	12
FIREMAN			
FLRMAN	[illegible]	Robin Brooks	12
FLRMAN	[illegible]	Wayne Lewis	12
FLRMAN	[illegible]	John McNeil	8
	[illegible]	Gerald Michaud	8
Welder	[illegible]	Ted Gorgerson	10

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	4
DRKMAN	[illegible]	[illegible]	4
MTRMAN	[illegible]	[illegible]	4
FIREMAN			
FLRMAN	[illegible]	[illegible] CHROMIX	4
FLRMAN	[illegible]	[illegible]	4
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 APPROVED APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco ETAL Red Dog C-29	A1		1-24-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Canada LTD		Thomson Drilling	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
L. R. Hansen		Jim Mulligan	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16
2	NAT	C-250	15

LEGAL LAND DESCRIPTION 64° 7" 125° 33" 30 W

WIRE LINE RECORD — REEL NO. 1

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8		24 K55	18	752		750

SIZE	NO. LINES	FT. SLIPPED
1/8	8	NONE

FT. CUT OFF: NONE — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS: 100

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			1½
7	LUBRICATE RIG			
8	REPAIR RIG	3½	6	6
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.		2	
15	TEST B.O.P.	½		
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	Blow Kelly	½		
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		4	14	6

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/D.P.
HRS. STANDBY
TOTAL DAY WORK

NO. OF DAYS FROM SPUD: 13
CUMULATIVE ROTATING HRS.: 61
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1 32nds	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL	6022	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO. 1	X3A
SIZE	7 7/8
MFG.	HW
TYPE	X3A
JETS 32nds	2/11 - 1/10
SER. NO.	33667
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD	3.60	FT.
	STB RMR OD	11.90	FT.
20	D.C. 8 3/4 6 1/4	570.21	FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO. 01	
SIZE	7 7/8
MFG.	H.W
TYPE	
JETS 1/32nds	2/20/11
SER. NO.	33667
DEPTH OUT	
DEPTH IN	790
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE | 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 SCHL'S PART'L-P COMP'SC-C

FROM	TO												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400				Pressure up Blind Rams to 2400 P.S.I
	2430			Held for 15 min Drop 50 P.S.I. O.K. I.R.K.
2430				Cut Flow Nipple in half and install
	0800			same Clean up Tool House + Rig Floor

DRILLER Paul Jacob

FOOTAGE | 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 SCHL'S PART'L-P COMP'SC-C

FROM	TO												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1000	2		Install new pump suction
1000	1200	2		Lay drill pipe Flare Line
1200	2400	12		Change heads & Liners in pump
				Work on Camp

DRILLER Paul Jacob

FOOTAGE | 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 SCHL'S PART'L-P COMP'SC-C

FROM	TO												
				Chicked motor, shut off Worked O.K.									

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2130	1½		SEAL GATES ON MUD TANT AND F.I.T. W/ WATER
2130				Pull out collar change Jet in Bit pick up Teledrift
	2300	1½		Run in w/ collars
2300	2330	½		Blow Kelly w/steam and Break Circ.
2330	2400	½		Change gland packing & brass nut on D-500 pump Flywheel side

DRILLER Paul Jacob

DRILLING CREW PAYROLL DATA

DATE 1-24-72
WELL NAME & NO. Amoco Red Dog C-29
COMPANY Thomson Drilling
TOOL PUSHER Jim Mulligan RIG NO. 19

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602:759:615	Paul Jacob	8
DRKMAN	618:284:465	Rick Belair	8
MTRMAN	430:295:465	Larry Belair	8
FIREMAN			
FLRMAN	615:061:564	Leslie Simpson	8
FLRMAN	613:778:636	Carl Schiller	8
FLRMAN	416:034:015	Dave Stinsman	8

NO. OF DAYS 303 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600:701:498	Fred Kostynuk	12
DRKMAN	601:439:276	Phil Gelinas	12
MTRMAN	608:492:258	Garry Bowman	12
FIREMAN			
FLRMAN	615:331:774	Robin Brooks	12
FLRMAN	617:514:842	Wayne Lewis	12
FLRMAN			
Welder	602:214:082	Ted Bergeson	12
	212:119:002	John McNeil	12
	611:608:423	Gerald Michaud	12

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602:759:615	Paul Jacob	4
DRKMAN	618:284:465	Rick Belair	4
MTRMAN	430:295:465	Harry Belair	4
FIREMAN			
FLRMAN	615:061:564	Leslie Simpson	4
FLRMAN	613:778:636	Carl Schiller	4
FLRMAN	416:034:015	Dave Stinsman	4

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Expl Red Dog C-29	A-1		1-23-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada L+D	Thomson Drilling	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: I. R. Kanier

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

D.P.: SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4"/h	16.6	E	5 1/2	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	B-500	16
2	Wirt	C-250	15

LEGAL LAND DESCRIPTION 64° 7" 125°25" 30 W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		24 K-55	18	752		750

WIRE LINE RECORD — REEL NO. 1

SIZE	NO. LINES	FT. SLIPPED
1/4	8	NONE

FT. CUT OFF: NONE — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS: 100

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1 32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8" T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE AMT. TYPE AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8" T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE AMT. TYPE AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8" T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE AMT. TYPE AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY) / DEVIATION RECORD / TIME LOG

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 SURV. PARTIED COMPLTD

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0900	8		Nipple up THOW out pipe Rams Blind Rams and Hydrill Line Cut off Snorcle Line to ~~flex~~ and weld same to fit

DRILLER Paul Jacob

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 SURV. PARTIED COMPLTD

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600			Nipple up POT WATER Line IN drum Work w/ rig jacker
1600	2000			

DRILLER

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 SURV. PARTIED COMPLTD

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		INSTALL NEW KILL LINE
2000	2400	4		AND CHECK VALVE ON SPOOL

DRILLER

DRILLING CREW PAYROLL DATA

DATE 1-23-72

WELL NAME & NO. Amoco Red Dog C-29

COMPANY Thomson Drilling

TOOL PUSHER _____ RIG NO. 19

MORNING TOUR 1200 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	8
DRKMAN	618 284 465	Rick Belair	8
MTRMAN	630 395 465	Larry Belair	8
FIREMAN			
FLRMAN	619 061 544	Leslie Simpson	8
FLRMAN	613 778 636	Carl Schiller	8
FLRMAN	616 034 015	Dave Stinsman	8

NO. OF DAYS 302 SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostynuk	12
DRKMAN	601 459 276	Phil Gellnas	12
MTRMAN	608 462 258	Gary Bowman	12
FIREMAN			
FLRMAN	212 119 002	John McNeil	12
FLRMAN	611 608 423	Gerald Michaud	12
FLRMAN	615 331 774	Robin Brooks	12
	617 514 842	Wayne Lewis	12
Welder	602 314 082	Ted Bergeson	12

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 1600 P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	Paul Jacob	
DRKMAN	618 284 465	"	
MTRMAN	630 "		
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

Sept 5 1972

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco ET AL Red Dog G-29	A-1	G/O 7"N 125°35" 30" W	1-22-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	Thomson Drilling	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L.R. Hansen	L. Mullaji

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5 5/16	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	B 500	16
2	Wat	C-250	15"

LEGAL LAND DESCRIPTION 64° 7"N 125° 35" 30 W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8	~~Emsco~~	24# K-55	18	752		750

WIRE LINE RECORD REEL NO. 1

SIZE	NO. LINES	FT. SLIPPED
~~15~~ 1/8	8	NONE

FT. CUT OFF	PRESENT LENGTH
NONE	5000

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS 100

DRILLING CREW PAYROLL DATA

DATE JAN 22 1972

WELL NAME & NO. AMOCO RED DOG G-29

COMPANY THOMSON DRILLING.

TOOL PUSHER L. Mullaji RIG NO. 19

MORNING TOUR 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 284 465	RICK BELAIR	8
MTRMAN	430 295 465	LARRY BELAIR	8
FIREMAN	614 061 564	LESLIE SIMPSON	8
FLRMAN	613 778 636	CARL SCHILLER	8
FLRMAN	416 034 015	DAVE STINSMAN	8
FLRMAN			

NO. OF DAYS 301 SINCE LAST LOST TIME ACCIDENT

DAY TOUR ____ A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred. Kostynuk	12
DRKMAN	601 459 256	Phil Gellnas	12
MTRMAN	608 432 258	Gary Bowman	12
FIREMAN			
FLRMAN	615 331 774	Robin Brooke	12
FLRMAN	617 214 842	Wayne Lewis	12
FLRMAN	212 119 002	~~Gerald~~ D. Michaud	12
	611 608 423	~~Robert~~ M. Neil	12
	602 214 082	Ted Bergeson	10

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ____ P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	4
DRKMAN	618 284 465	RICK BELAIR	4
MTRMAN	430 295 465	LARRY BELAIR	4
FIREMAN			
FLRMAN	614 061 564	LESLIE SIMPSON	4
FLRMAN	613 778 636	CARL SCHILLER	4
FLRMAN	416 034 015	DAVE STINSMAN	4

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			4
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.	8	8	4
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	11
CUMULATIVE ROTATING HRS.	61
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

BIT			FT.
STB RMR	OD		FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
D.C. ID	OD		FT.
STB RMR	OD		FT.
STANDS DP			FT.
SINGLES	DP		FT.
KELLY DOWN			FT.
TOTAL			FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 PART'L-P COMPL-C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8		Pick up B.O.P. Change spacer Flange From ~~end~~ END OF B.O.P. To CENTER OF Same. Nipple up.
				2" – KB 13.50
				2" – ROTARY TABLE 13:30
				KB – TABLE 1.20

DRILLER Paul Jacob

DAY TOUR

FOOTAGE / FORMATION

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 PART'L-P COMPL-C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600			Nipple up Change hydril to diff. position
				Rig up 2⅞ Flare Line
				~~Nipple up B.O.P. STUDS~~
				General Rig up

DRILLER Frank Kostynuk

EVENING TOUR

FOOTAGE / FORMATION

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 PART'L-P COMPL-C

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		Rig up Put B.O.P. STUDS IN
2000	2400	4		FINISH Nipping up.

DRILLER Paul Jacob

ALBERTA WHITAKER
FEB - 7 1972
PROVINCE OF ALBERTA

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco ETAL Red Dog G-29	A1		1-21-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada LTD.	Thomson Drilling	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K A Jamison

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L Trudeau

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	F.H.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-500	16
2	Nat.	C-250	15

LEGAL LAND DESCRIPTION: 60° 7" N 125°25' 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	Mann	24 K-55	18	752	14.50	750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	8	NIL

FT. CUT OFF — PRESENT LENGTH 500

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS 100

DRILLING CREW PAYROLL DATA

DATE 1-21-72

WELL NAME & NO. Amoco ETAL Red Dog

COMPANY Thomson Drilling

TOOL FUSHER L Trudeau — RIG NO. 19

MORNING TOUR — 12:00 P.M. — 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 284 465	RICK BELAIR	8
MTRMAN	420 295 465	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	Leslie Simpson	8
FLRMAN	613 773 036	Carl SCHILLER	8
FLRMAN	416 034 015	DAVE STINSMAN	8

NO. OF DAYS ~~299~~ 300 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	FRED KOSTYNUK	12
DRKMAN	601 439 976	Phil Gelinas	12
MTRMAN	608 462 258	GARY BOWMAN	12
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	12
FLRMAN	617 514 842	Wayne Lewis	12
FLRMAN	611 608 423	Gerald Michaud	12
	312 119 002	John McNeil	12
Welder	602 214 082	Ted Bergeson	12

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	4
DRKMAN	618 284 465	RICK BELAIR	4
MTRMAN	420 295 465	HARRY BELAIR	4
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	4
FLRMAN	613 773 636	CARL SCHILLER	4
FLRMAN	416 034 015	DAVE STINSMAN	4

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN	8	4	8
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.		4	
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/DRP.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

BIT — FT.

STB RMR OD — FT.

D.C. ID OD — FT.

STB RMR OD — FT.

D.C. ID OD — FT.

STB RMR OD — FT.

STANDS DP — FT.

SINGLES DP — FT.

KELLY DOWN — FT.

TOTAL — FT.

WT. OF STRING — LBS.

BIT RECORD

BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SER. NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | COND. 1/8's T/B/ GAGE | GPM/ PD-PSI

MUD RECORD

TIME | WEIGHT | PRESSURE GRADIENT | VISC.-SEC. | PV/YP | GELS. | WL -CC'S. | pH | SOLIDS %

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

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION	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 COMP-BC

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
~~3~~ 1400	0800	8		WORK ON STEAM LINE HOOK up outo. DIGGER CLEAN up AROUND LEASE
				@ ~~5~~ 0800 W.O. INSTRUCTIONS FOR B.O.P. HOOK UP. KAS

DRILLER Paul Jacob

MORNING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	~~1000~~ 1600			Cut off csg. to start length. (GRD LEVAL) Weld on Bhwl. (1PM TO 4PM)
1300	1600			
0900	1300			Rig Up. General
				GRD LEVAL IS 4" BELOW TOP OF MATTING KAS

DRILLER L Trudeau

DAY TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		WORK ON mud Lines
2000	2400	4		WORK ON, CARRY ON DRAWORKS AND FLOOR PLATES

DRILLER Fred Kostynuk

EVENING TOUR

Form 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO ETAL RED DOG	G-25-A1		1-20-72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	THOMSON DRILLING	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
V.A. Banis	L. Thomson

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	F.H	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	NAT	C-250	15

LEGAL LAND DESCRIPTION 64° 7'N 125° 35' 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8						720

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	8	NONE

FT. CUT OFF: NONE — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT: 10

CUMULATIVE TON MI. OR TRIPS: 100

DRILLING CREW PAYROLL DATA

DATE 1-20-72

WELL NAME & NO. AMOCO ETAL RED DOG G-25-A1

COMPANY THOMSON DRILLING

TOOL PUSHER L. Thomson — RIG NO. 19

MORNING TOUR — 12:00 P.M. — 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 284 465	RICK BELAIR	8
MTRMAN	430 295 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 778 636	CARL SCHILLER	8
FLRMAN	416 034 015	DAVE STINSMAN	8

NO. OF DAYS 299 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	FRED KOSTYNUK	12
DRKMAN	601 439 276	PHIL GELINAS	12
MTRMAN	608 432 258	GARY BOWMAN	12
FIREMAN	L		
FLRMAN	615 331 774	ROBIN BROOKS	12
FLRMAN	617 514 842	WAYNE LEWIS	12
FLRMAN			
Welder	602 514 082	Ted Bergeson	12
	611 608 423	Gerald Michaud	12
	242 119 002	John McNeil	12

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	4
DRKMAN	618 284 465	RICK BELAIR	4
MTRMAN	430 295 465	LARRY BELAIR	4
FIREMAN	619 061 564	LESLIE SIMPSON	4
FLRMAN	613 778 636	CARL SCHILLER	4
FLRMAN	416 034 015	DAVE STINSMAN	4
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN	4		8
2	DRILL ACTUAL			
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG		8	
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT	4		
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	Cut off csg	1		
22				
23				
COMPLETION	A. PERF'R'TN			
	B. TDG. TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	9
CUMULATIVE ROTATING HRS.	61
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 PAR.EL.-P COMP.DEC.
~~2400~~												

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0400	4		~~W.O.C.~~ DIG CELLER & PREP TO CUT OFF.
0400	0500	1		CUT OFF CASING & CONDUCTOR BBL.
2500	0800	3		RIG UP.

DRILLER Paul Jacob

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-K 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 COMP.DEC.

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		Work w/ GM mechanic Change GM motor Rig up

DRILLER Fred Kostynuk

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-K 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 COMP.DEC.

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		Build mud line Cement Cellar
2000	2400	4		Build Steams line

DRILLER Paul Jacob

EVENING TOUR

STOP! CASE

FORM 3T5 — A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM — APPROVED — APPROVED — CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Et Al Al Red Doc I 29	A1		1-19-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco CANADA LTD.	Thomson DRLG	

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D A Annis.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L Mullyan

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	NAT	C250	15

LEGAL LAND DESCRIPTION: Lsd 7" N 125° 35' 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 3/4	Hann.	24	18	750		750'

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 1/8	8	NONE

FT. CUT OFF: None — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT: 180

CUMULATIVE TON MI. OR TRIPS:

DRILLING CREW PAYROLL DATA

DATE 1-19-72

WELL NAME & NO. AMOCO ET AL AL RED DOC I 29

COMPANY THOMPSON DRLG

TOOL PUSHER L Mullyan — RIG NO. 19

MORNING TOUR — 12:00 P.M. — 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 947 760	CLIFFORD A JOHNSON	8
DRKMAN	603 703 466	CLINT CAMPBELL	8
MTRMAN			
FIREMAN			
FLRMAN	421 362 898	RALPH CHROMIK	8
FLRMAN	623 205 606	JAMES BLAKE	8
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8:00 A.M. — 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 7. 15	PAUL JACOB	8
DRKMAN	618 284 465	RICK DELAIR	8
MTRMAN	430 255 493	HARRY DELAIR	8
FIREMAN			
FLRMAN	619 061 564	LESLIE SIMPSON	8
FLRMAN	613 779 636	CARL SCHILLER.	8
FLRMAN	416 034 015	DAVE STINSMAN	8

TRAVEL FROM EDMONTON TO Rig

NO. OF DAYS 298 — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — 298 P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	J. Dostynuk	8
DRKMAN	601 459 376	P. Dellinas	8
MTRMAN	608 432 258	A. Bowman	8
FIREMAN			
FLRMAN	515 331 794	R. Brooks	8
FLRMAN	617 544 842	W. Lewis	8
FLRMAN			
Welder.	602 214 082	Ted Burgeson	12

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG	¼		
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT		2½	
13. WAIT ON CEMENT	7½	5½	8
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	STOP -5 337
NO. OF DAYS FROM SPUD	8
CUMULATIVE ROTATING HRS.	61
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
BIT	FT.	BIT NO.	TIME
		SIZE	WEIGHT
STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
D.C. ID OD	FT.	TYPE	VISC.-SEC.
STB RMR OD	FT.	JETS 1/32"	PV/YP
D.C. ID OD	FT.	SER. NO.	GELS.
STB RMR OD	FT.	DEPTH OUT	WL -CC'S.
		DEPTH IN	pH
		TOTAL FTG.	SOLIDS %
		TOTAL HRS. RUN	
STANDS DP	FT.	COND. 1/8's T/B/ GAGE	MUD & CHEMICALS ADDED
SINGLES DP	FT.	GPM/ PD-PSI	TYPE AMT. TYPE AMT.
KELLY DOWN	FT.		Sawdust 46 sks.
TOTAL	FT.		
WT. OF STRING	LBS.		

MORNING TOUR

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 PAPER'S CORES CORES
750	750											

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8		Rig Service
0805	0300	2¾		Circ. wor.
0300	0800	5		Try to remove DS's & from csg top. mix last circ mats. wash down outside of csg. Sawdust bridged off Annulus had to back wash and blow hole dry prior to recementing WTS.

DRILLER Clifford Johnson

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
BIT	FT.	BIT NO.	TIME
		SIZE	WEIGHT
STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
D.C. ID OD	FT.	TYPE	VISC.-SEC.
STB RMR OD	FT.	JET 1/32"	PV/YP
D.C. ID OD	FT.	SER. NO.	GELS.
STB RMR OD	FT.	DEPTH OUT	WL -CC'S.
		DEPTH IN	pH
		TOTAL FTG.	SOLIDS %
		TOTAL HRS. RUN	
STANDS DP	FT.	COND. 1/8's T/B/ GAGE	MUD & CHEMICALS ADDED
SINGLES DP	FT.	GPM/ PD-PSI	TYPE AMT. TYPE AMT.
KELLY DOWN	FT.		
TOTAL	FT.		
WT. OF STRING	LBS.		

DAY TOUR

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 PAPER'S CORES CORES
750	750											

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1130	3½		W. O. C + CIRC. WARM WATER IN SURFACE CSG.
1130	1300	1½		Rig up Cementer recement casing from surface,
1300	1400	1		tear out CEMENTER
1400	1600	2		W.O.C. & circ Warm Water
				Recement down annulus X 52 sx neat o/w +4% CaCl2. Added 100# CaCl2 to annulus while pumping. Had good returns; Conductor pipe washed out initially but held after pumping 2nd batch

DRILLER Paul Jacob

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
BIT	FT.	BIT NO.	TIME
		SIZE	WEIGHT
STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
D.C. ID OD	FT.	TYPE	VISC.-SEC.
STB RMR OD	FT.	JETS 1/32"	PV/YP
D.C. ID OD	FT.	SER. NO.	GELS.
STB RMR OD	FT.	DEPTH OUT	WL -CC'S.
		DEPTH IN	pH
		TOTAL FTG.	SOLIDS %
		TOTAL HRS. RUN	
STANDS DP	FT.	COND. 1/8's T/B/ GAGE	MUD & CHEMICALS ADDED
SINGLES DP	FT.	GPM/ PD-PSI	TYPE AMT. TYPE AMT.
KELLY DOWN	FT.		
TOTAL	FT.		
WT. OF STRING	LBS.		

EVENING TOUR

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 PAPER'S CORES CORES
750	750											

DEVIATION RECORD

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

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		W. O. C.
2000	2400	4		Cut off csg. Digging up. Circ csg. w/ warm water Pull out of hole

DRILLER

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco Et Al Al Red Dog 529	A1		1-18-72

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	Thomson Drlg.	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: L. Mulligan

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	4½ FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D 500	16
2	NATIONAL	C 250	15

LEGAL LAND DESCRIPTION: 64° 07" N 125° 35' 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8			18	750		750

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 1/4	8	None

FT. CUT OFF: None — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS:

DRILLING CREW PAYROLL DATA

DATE 1-18-72

WELL NAME & NO. Amoco ETAL Al Red Dog 529

COMPANY Thomson Drlg

TOOL PUSHER L. Mulligan — RIG NO. 19

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	5		
12. RUN CASING & CEMENT	3	5	
13. WAIT ON CEMENT		3	8
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT		C	
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'RT'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD: 7

CUMULATIVE ROTATING HRS.: 61

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.		FT.
	BIT	
	STB RMR OD	
	D.C. ID OD	
	STB RMR OD	
	D.C. ID OD	
	STB RMR OD	
	STANDS DP	
	SINGLES DP	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

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 SQ. S PARAFFIN CO.
750												

DEVIATION RECORD

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

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS
24:00	0500	5		Logging (RAN DUAL INDUCTION LATEROLOG) (RAN BHC GAMMA RAY SONIC CALIPER) SONIC TOOL WOULD NOT WORK. KHS.
0500	0600	1		RIG UP TO RUN CASING
0600	0800	2		RUN 8 5/8" CSG
ran 18 Jts 8 5/8" 24# K-55 ST & C, landed x 752.37 K.B				

DRILLER Paul Jacob

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

MORNING TOUR 24:00 P.M. 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford A Johnson	12
DRKMAN	600 703 466	Clint Campbell	12
MTRMAN	610 461 918	Ed Brezny	8
FIREMAN			
FLRMAN	421 362 899	Ralph Khromik	12
FLRMAN	623 205 606	James Blake	12
FLRMAN			

DRILLING ASSEMBLY (At end of tour)

NO.		FT.
	BIT	
	STB RMR OD	
	D.C. ID OD	
	STB RMR OD	
	D.C. ID OD	
	STB RMR OD	
	STANDS DP	
	SINGLES DP	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE / FORMATION

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 SQ. S PARAFFIN CO.
								5½		5"		

DEVIATION RECORD

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

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS
0300	0985	1 1/4		RUN 8 3/4 CSG.
0985	0945	1/2		Blow Kelly Rig up To CIRC.
0945	1215	2 1/2		CIRC. TO CEMENT.
1215	1300	3/4		CEMENT w/ Dowell
1300	1600	3		W. O. C.
Cement w/ 546 sx neat 0.W + 4% CaCl2 + 25# gel Flake & 2% sx / 100 sx. Had good returns for Held for 15 min annulus dropped.				

DRILLER Paul Jacob

DAY TOUR 0800 A.M. 1600 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 709 615	PAUL JACOB	12
DRKMAN	608 284 467	RICK BELAIR	12
MTRMAN	430 295 493	HARRY BELAIR	12
FIREMAN			
FLRMAN	619 061 564	Leslie Simpson	12
FLRMAN	613 779 636	CARL SCHILLER	12
FLRMAN			

NO. OF DAYS 297 SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.		FT.
	BIT	
	STB RMR OD	
14	D.C. ID 6 1/4 OD	
	STB RMR OD	
	D.C. ID OD	
	STB RMR OD	
	STANDS DP	
	SINGLES DP	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	
GELS.	
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

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 SQ. S PARAFFIN CO.
				Recement w/ 150 sx neat + 4% CaCl2 + 15 sx sawdust, + 25# gel Flake Added to annulus while pumping — 75# gel Flake and 300# CaCl2 No returns.								

DEVIATION RECORD

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

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS
	1700			W. O. C
1600	2000	3		Cut off conductor pipe
1700	2000	3		Cut off csg weld in flow nipple on csg
2000	2100	1		rig up flow line
2100	2145	0 3/4		Rig up Cementing unit
2145	2215	1/4		Cement outside of csg w/100 sxs cement
2215	2245	1/2		Clear out cement unit
2245	2400	1 1/4		Run in hole, Blow lines

DRILLER

EVENING TOUR 1600 P.M. 2400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Kostyniuk	12
DRKMAN	601 439 976	Phil Gelinas	12
MTRMAN	608 432 258	Gary Bowman	12
FIREMAN			
FLRMAN	615 331 774	Robin Brooke	12
FLRMAN	617 514 842	Wayne Lewis	12
FLRMAN			
	602 214 082	Ted Bergeson	14

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO ETAL AI RED DOG UNIT	A1		1-17-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD.		THOMSON DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
V.A. Bamir		J. Mulligan	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	5½-6	4½ FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D 500	16
2	NAT	C 250	15

LEGAL LAND DESCRIPTION 64° 07' N 125 35' 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1¼	8	NONE

FT. CUT OFF	PRESENT LENGTH
NONE	5000

TON MI. OR TRIPS SINCE LAST CUT: 6

CUMULATIVE TON MI. OR TRIPS: 30

DRILLING CREW PAYROLL DATA

DATE 1-17-72

WELL NAME & NO. AMOCO ETAL A1 RED DOG 529

COMPANY Thomson

TOOL PUSHER J. Mulligan RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3		1
3. REAMING		6½	1¼
4. CORING			
5. CONDITION MUD & CIRCULATE			1¾
6. TRIPS	2½		3
7. LUBRICATE RIG	½	½	¼
8. REPAIR RIG	½		
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	½	¼	
11. WIPE LINE LOGS			1¾
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING	8	8	8
20. DIR. WORK			
21.			
22.			
23.			

COMPLETION: A. PERF'T'N; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS 8 8 8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. W/O D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS. 61

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT RR 3A		FT.
	MOTOR RM-2	3.18	
	STAB RMR OD	11.90	FT.
35	D.C. ID OD	29.98	FT.
35	STB RMR OD	3.50	FT.
DC	D.C. ID OD	30.08	FT.
	STB RMR OD	6.06	FT.
4	D.C		
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	3 3A
SIZE	7⅞
MFG.	HW
TYPE	X1C
JETS 1/32"	9/16 ½
SER. NO.	33005
DEPTH OUT	740
DEPTH IN	479
TOTAL FTG.	261
TOTAL HRS. RUN	36¼
COND. 1/8's T/B/ GAGE	5 5 I
GPM/ PD-PSI	

MUD RECORD

TIME	1.00		
WEIGHT	9.6		
PRESSURE GRADIENT			
VISC.-SEC.	35		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	10.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		

MORNING TOUR

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 SCL.-S PAR'T.-P COM.-C
704	740	D		Pipe Strap 740.05	120	12M	1100	5½	62	5½		S
				Bo. tally 740.00								
				Diff .05								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
721	2°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0100	1		DRLG
0100	0130	½		RIG SERVICE, COMM HOLE TIGHT.
0130	0330	2		DRLG
0330	0345	¼		SURVEY, BLOW LINES
0345	0500	1¼		STRAP OUT
0500	0630	1½		WELD EXTENSION ON CONDUCTOR BOL 48.7 TOO RMR
0630	0745	1¼		RUN IN W/ RMR
0745	0940	¼		BLOW KELLY W/ STEAM, BREAK CIRC. DRILLER

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	Clifford Johnson	12
DRKMAN	600 703 468	Clint Campbell	12
MTRMAN	610 481 913	Ed Brozny	8
FIREMAN			
FLRMAN	421 362 898	Ralph Chromix	12
FLRMAN	623 205 606	Jim Blake	12
FLRMAN			

NO. OF DAYS 311 — SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
3A	BIT RR-85	2.67	FT.
	Pilot R.	3.18	
DC	STAB RMR 6¼ OD	11.90	FT.
	D.C. 2¾ 6¼ OD	29.98	FT.
35	STB RMR 7⅞ OD	3.50	FT.
DC	D.C. 2⅞ 6¼ OD	30.08	FT.
RS	STB RMR 7⅞ OD	6.06	FT.
12	DC 2⅞ 6¼	350.69	
2	STANDS DP	187.83	FT.
2	SINGLES DP	61.95	FT.
	KELLY DOWN	13.00	FT.
	TOTAL	700.78	FT.
WT. OF STRING	48.000		LBS.

BIT RECORD

BIT NO.	4 RR
SIZE	12¼
MFG.	HW
TYPE	Pilot Reamer
JETS 1/32"	7/8 14
SER. NO.	31877
DEPTH OUT	
DEPTH IN	428
TOTAL FTG.	
TOTAL HRS. RUN	6½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

	2400	1400	1300
TIME			
WEIGHT	8.9	8.9	8.6
PRESSURE GRADIENT			
VISC.-SEC.	40	45	43
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500		

DAY TOUR

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 SCL.-S PAR'T.-P COM.-C
429	700	R.M.			145	20	300	5½	16	5½ GUN		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
510	1¾		600	1½				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0815	¼		Rig Serv. Grease Swivel and Bushing
0815	1100	2¾		Reaming Rat Hole to 12¼
1100	1145	¾		Circ to Survey & Survey Misrun. Rerun Same
1145	1330	1¾		Reaming Rat Hole to 12¼
1330	1400	½		Survey
1400	1600	2		Reaming Rat Hole To 12¼

DRILLER Paul Jacob

DAY TOUR — 6 A.M. — 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 645	Paul Jacob	10
DRKMAN	608 284 461	Rick Delair	12
MTRMAN	430 295 493	Harry Delair	1½ Hauled Welder
FIREMAN			
FLRMAN	619 061 864	Leslie Simpson	12
FLRMAN	63 779 636	Carl Schiller	12
FLRMAN			

NO. OF DAYS 296 — SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
2A	BIT OSC		FT.
35		2.67	
DC	STAB RMR 6¼	11.90	FT.
	D.C. 2⅞ 6¼	29.98	FT.
35	STB RMR 7⅞	3.50	FT.
	D.C. 2⅞ 6¼	30.08	FT.
RS	STB RMR 7⅞	6.06	FT.
12	DC 6¼	350.69	
	STANDS DP	281.19	FT.
	SINGLES DP		FT.
	KELLY DOWN	34	FT.
	TOTAL	750.07	
WT. OF STRING		20.000	LBS.

BIT RECORD

BIT NO.	2A RR
SIZE	12¼
MFG.	HW
TYPE	OSC
JETS 1/32"	1/14 2/18
SER. NO.	31877
DEPTH OUT	750
DEPTH IN	740
TOTAL FTG.	10
TOTAL HRS. RUN	1:00
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

	1800	2000
TIME		
WEIGHT	9.8	9.8
PRESSURE GRADIENT		
VISC.-SEC.	40	55
PV/YP	/	/
GELS.	/	/
WL -CC'S.	/	/
pH	9.0	9.0
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	400		

EVENING TOUR

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 PAR'T.-P COM.-C
700	740	RM		Board 760.23	145	20	300	5½	62			
740	750	DR.		SLM 760.60	145	20	300	5½	62			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
750	2°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Ser.
1615	1630	¼		Ream 7⅞ hole to 12¼
1630	1645	¼		Circ.
1645	1830	1¾		Trip
1830	1930	1		DRLG 12¼ 740-750
1930	2100	1½		Circ
2100	2215	1¼		Trip out
2215	2400	1¾		Rig up to Log (Logging)

DRILLER I. Kostynuk

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	J. Kostynuk	
DRKMAN	601 439 276	P. Gelinas	
MTRMAN	608 432 258	L. Bowman	
FIREMAN			
FLRMAN	615 331 774	R. Brooks	
FLRMAN	617 514 842	W. Lewis	
FLRMAN			
	602 214 082	Ted Ferguson	9

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO ETAL AI RED DOG B29	A1		1-16-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD		THOMSON DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D Bannister		J Mullaya	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6-5¼	4½ FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D500	16
2	NAT	C250	15

LEGAL LAND DESCRIPTION 64° 07" N 125° 35' 30" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD REEL NO.

SIZE 1¼ | NO. LINES 4 | FT. SLIPPED NONE

FT. CUT OFF NONE | PRESENT LENGTH 5000

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	7¼	6¼	1¼
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG	¼		¼
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	¼	¾	¾
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING	8	8	
20.	DIR. WORK			
21.	W. Tight H			¼
22.				
23.				

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD 6

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
3A	BIT		
	Bit Sub	3.50	
	D.C. 6¼ OD 2¼ ID	11.90	FT.
	STB RMR OD		FT.
	D.C. 6¼ OD 2¼ ID	29.98	FT.
RS	STB RMR 7⅞ OD	3.50	FT.
DC	6¼	30.09	
	STB RMR 7⅞ OD	6.06	FT.
18	D.C. 6¼	531.25	
	X-O Sub	1.72	
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	23.00	FT.
	TOTAL	640.99	FT.
WT. OF STRING		63,000	LBS.

BIT RECORD

BIT NO.	3A RR
SIZE	7⅞
MFG.	HW
TYPE	X16
JETS 1 32"	3/12
SER. NO.	33005
DEPTH OUT	DRLG
DEPTH IN	479
TOTAL FTG.	237
TOTAL HRS. RUN	20½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	2⁰⁰	4⁰⁰	6⁰⁰
WEIGHT	8.6	8.7	8.7
PRESSURE GRADIENT	705	665	605
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
3A	BIT		
	Bit Sub	3.50	
	D.C. 6¼ OD	11.90	FT.
	STB RMR 7⅞ OD	3.50	FT.
DC	6¼	30.08	FT.
	STB RMR 7⅞ OD	6.06	FT.
18	D.C. 6¼	531.25	FT.
	X-O Sub	1.72	
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	23.00	FT.
	TOTAL	640.99	FT.
WT. OF STRING		63,000	LBS.

BIT RECORD

BIT NO.	3A
SIZE	7¾
MFG.	HW
TYPE	
JETS 1 32"	3 12
SER. NO.	33005
DEPTH OUT	DRLG
DEPTH IN	479
TOTAL FTG.	151
TOTAL HRS. RUN	26¾
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	8:00 AM	2:30	
WEIGHT	8.6	9.7	
PRESSURE GRADIENT	440.6	450	
VISC.-SEC.	45	46	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Petrox	250		
Caustic	150		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
3A	BIT		
	Bit Sub	3.50	
DC	6¼ OD	11.90	FT.
1	D.C. 6¼ 2¼ ID	29.98	FT.
RS	STB RMR 7⅞	3.50	FT.
DC	D.C. 6¼ 2¼ ID	30.08	FT.
	STB RMR 7⅞ OD	6.06	FT.
18	DC 6¼	531.25	
	X-O Sub	1.72	
	STANDS DP		FT.
2	SINGLES DP	62.57	FT.
	KELLY DOWN	28.00	FT.
	TOTAL	708	FT.
WT. OF STRING		64,000	LBS.

BIT RECORD

BIT NO.	3A RR
SIZE	7⅞
MFG.	HW
TYPE	X16
JETS 1/32"	3 12
SER. NO.	33005
DEPTH OUT	DRLG
DEPTH IN	479
TOTAL FTG.	
TOTAL HRS. RUN	33½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	1630	1830	2200
WEIGHT	8.7	8.7	8.7
PRESSURE GRADIENT	450	450	450
VISC.-SEC.	34	35	35
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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
536	570	D			120	5-8 M	350	5½	62	5½	60	S
							400	5½	62			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
540	1 ¾							

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS
2400	0000	1		DRLG — REPAIR FUEL LINES
0000	0015	¼		SURVEY
0015	0130	¼		R.C SERVICE — PACK MUD, 44 BBLS.
0130	0800	6½		DRLG

DRILLER Clifford Johnson

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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
570	640				120	5-12	400	5½	60	5½	60	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
570	1 ¾	L	600	1 ¾				

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS
0800	0815	¼		SURVEY — INSTALL FUEL PUMP dig DRENE
0815	1130	3¼		DRILLING — RABBIT CASING CLEAN THERMOS
1130	1215	¾		SURVEY — 4 HRS
1215	1345	1½		DRILLING
1345	1430	¾		SURVEY
1430	1600	1½		DRILLING

DRILLER Paul Jacob

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION	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
640	708	DR.			120	12M	400	5½	62	5½	60	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
658	1½°		689	1½°				

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS
1600	1815	2¼		DRLG 7⅞ hole
1815	1845	½		Survey ¼ hr. Rig Ser. ¼ hr.
1845	2200	3¼		DRLG 7⅞ hole
2200	2215	¼		Work tight connection
2215	2245	½		Survey
2245	2400	1¼		DRLG 7⅞ hole

DRILLER Ted Engipe

DRILLING CREW PAYROLL DATA

DATE 1-16-72

WELL NAME & NO. AMOCO ETAL AI RED DOG

COMPANY THOMSON DRLG

TOOL PUSHER J Mullaya — RIG NO. 19

MORNING TOUR — 12:00 P.M. — 4 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD JOHNSON	12
DRKMAN	600 703 466	CLINT CAMPBELL	12
MTRMAN	610 481 913	ED BROZNY	12
FIREMAN			
FLRMAN	421 342 898	RALPH RHROMIX	12
FLRMAN	623 205 606	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS 310 SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8:00 A.M. — 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	12
DRKMAN	618 284 767	RICK BELAIR	12
MTRMAN	430 295 493	LARRY BELAIR	12
FIREMAN			
FLRMAN	619 061 864	LESLIE SIMPSON	12
FLRMAN	613 779 636	CARL SCHILLER	12
FLRMAN			

NO. OF DAYS 295 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Hostynuk	8
DRKMAN	601 439 276	Phil Gelinas	12
MTRMAN	608 432 258	Gary Bowman	12
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	12
FLRMAN	617 514 842	Wayne Lewis	12
FLRMAN			
Welder	602 224 282	Ted Engipe	8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

SEP - 1 1972

Form 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Amoco ETAL A1 RED DOG 629	A-1		1-15-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco CANADA LTD		Thomson DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
V. Hamis		J. Mulligan	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE / LENGTH
4½	16.5	2		F.H		1	Emsco	D500	16
						2	NAT	C250	15

LEGAL LAND DESCRIPTION: 64° 07" N 125° 35° 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/19	8	N/C

FT. CUT OFF: N.C — PRESENT LENGTH: 5.000

TON MI. OR TRIPS SINCE LAST CUT: 6

CUMULATIVE TON MI. OR TRIPS: 20

DRILLING CREW PAYROLL DATA

DATE 1-15-72

WELL NAME & NO. AMOCO ETAL A1 RED DOG 629

COMPANY THOMSON DRLG

TOOL PUSHER J. Mulligan RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL		18½	6½
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE	6		
6	TRIPS	1½	3¼	
7	LUBRICATE RIG	½		¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY		1½	3¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	M. I. C. M.		2	
22				
23	Chain up Conductor		1½	
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. W/O D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD: 3¼5

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT 3A	FT.	BIT NO.	3A RR 7¼
	8 DC 6¼	3.50	SIZE	7⅞
	STB RMR OD	FT.	MFG.	HW
	DC 6¼ 2⅜	11.90 FT.	TYPE	X16
	STB RMR OD	FT.	JET 1/32"	7/12
1	DC 6¼ 2⅜	29.78 FT.	SER. NO.	33005
BS	STB 7½ OD	3.50 FT.	DEPTH OUT	469
DC	6¼	30.08	DEPTH IN	479
	SUB 7⅞	6.06	TOTAL FTG.	202
13	DC 6¼ 2⅜	382.91	TOTAL HRS. RUN	13
	REAMER SUB	1.72 FT.	COND. 1/8" T/B" GAGE	
	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	24.00 FT.		
	TOTAL	495.47 FT.		
WT. OF STRING	60,000	LBS.		

MUD RECORD			
TIME		0400	0600
WEIGHT		8.4	8.5
PRESSURE GRADIENT			
VISC.-SEC.		45	145
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	6500		
[illegible]	[illegible]		
QUIKSEAL 24 BAGS			
CAUSTIC	100		

MORNING TOUR

FOOTAGE — FORMATION — DEVIATION RECORD — TIME LOG

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PART'L-P COMP'D-C
474	484	D						5½	64	5½	60	S

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0030	½		RIG SERVICE, + (BLOW LINES. Y4hr)
0030	0200	1½		TRIP LAY DOWN TELEDRIFT COLLAR PICK SHORT COLLAR.
0200	0600	4		MIX MUD + LOST CIRC MAT.
0600	0800	2		PUMP DOWN 200 BBLS LC

DRILLER Ashland Johnson

NO. OF DAYS 309 SINCE LAST LOST TIME ACCIDENT

MORNING TOUR 12:00 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 944 760	CLIFFORD JOHNSON	8
DRKMAN	600 703 466	CLINT CAMPBELL	8
MTRMAN	610 703 913	ED BROZNY	8
FIREMAN			
FLRMAN	421 362 819	RALPH THROMIX	8
FLRMAN	623 205 606	JAMES BLAKE	8
FLRMAN			

DRILLING ASSEMBLY — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT 3A	FT.	BIT NO.	3A RR
	Bit Sub	3.50	SIZE	7⅞
	STB RMR OD	FT.	MFG.	HW
	DC 6¼ 2⅜	11.90 FT.	TYPE	X16
	STB RMR OD	FT.	JET 1/32"	3/12
1	DC 6¼ 2⅜	29.78 FT.	SER. NO.	33005
BS	STB 7½ OD	3.50 FT.	DEPTH OUT	Drlg.
DC	6¼	30.08	DEPTH IN	479
	STB 7⅞	6.06	TOTAL FTG.	242
14	DC 6¼	412.09	TOTAL HRS. RUN	19½
0	STANDS DP	FT.	COND. 1/8" T/B" GAGE	
0	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	35 FT.		
	TOTAL	535' FT.		
WT. OF STRING	60 M	LBS.		

MUD RECORD			
TIME	1800	2100	2300
WEIGHT	8.6	8.6	8.6
PRESSURE GRADIENT	450	450	450
VISC.-SEC.	80	80	70
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	600#		

DAY TOUR

FOOTAGE — FORMATION — DEVIATION RECORD — TIME LOG

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PART'L-P COMP'D-C
474	495				120	2000	300	5½	64	5½	60	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	489	2¼							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1000	2	21	MIX MUD TRY TO GAIN CIRC. BACK.
1000	1045	¾	2	DRILLING
1045	1130	¾	10	CIRC TO SURVEY + SURVEY 2¼°
1130	1215	¾	10	RERUN SURVEY to DOUBLE CHECK SAME
1215	1430	2¼		PULL OUT LAY DOWN NEAR BIT REAMER AND BLADE STAB
1430	1530	1		RUN IN
1530	1600	½		DRILLING

DRILLER Paul Jacob

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	618 294 467	RICK BELAIR	89
MTRMAN	430 295 493	HARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 864	Leslie Simpson	89
FLRMAN	623 779 636	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS 294 SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
3A	BIT	FT.	BIT NO.	3A
	Bit Sub	3.50	SIZE	7⅞
XO	Sub OD	1.72 FT.	MFG.	HW
	DC 6¼ 2⅜	11.90 FT.	TYPE	X16
	STB RMR OD	FT.	JETS 1/32"	3/12
1	DC 6¼ 2⅜	29.78 FT.	SER. NO.	33005
BS	STB 7½ OD	3.50 FT.	DEPTH OUT	Drlg.
DC	6¼	30.08	DEPTH IN	479
	STB 7⅞	6.06	TOTAL FTG.	242
14	DC 6¼	412.09	TOTAL HRS. RUN	19½
0	STANDS DP	FT.	COND. 1/8" T/B" GAGE	
0	SINGLES DP	FT.	GPM/ PD-PSI	
	KELLY DOWN	35 FT.		
	TOTAL	535' FT.		
WT. OF STRING	60 M	LBS.		

MUD RECORD			
TIME	1800	2100	2300
WEIGHT	8.6	8.6	8.6
PRESSURE GRADIENT	450	450	450
VISC.-SEC.	80	80	70
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	600#		

EVENING TOUR

FOOTAGE — FORMATION — DEVIATION RECORD — TIME LOG

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PART'L-P COMP'D-C
495	535'	DR.			120	6M	300	5½	62	5½	60	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5½	2°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Chain up Conductor pipe (sinking down)
1630	1645	¼		Rig Service
1645	1900	2¼		DRLG 7⅞ hole.
1900	1945	¾		Survey
1945	2400	4¼		DRLG 7⅞ hole

DRILLER Ted Jacob

EVENING TOUR 2:94 P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	Fred Fostymb	8
DRKMAN	601 439 976	Phil Gelinas	8
MTRMAN	608 432 358	Gary Bowman	8
FIREMAN			
FLRMAN	615 331 774	Robin Brooks	8
FLRMAN	617 514 842	W. Lewis	8
FLRMAN			
Welder	602 304 082	Ted Bergeson	8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FEB 5 - 1972

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO ETAL AI REG DOG J G29	A1		1-14-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD.		T[illegible]	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.A. Sanna		[illegible]	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.60	E	6-5¾	FH		1	EMSCO	D500	16
						2	NAT	C350	15

LEGAL LAND DESCRIPTION 64° 07" N 125° 35' 30" W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.
SIZE 1/16 — NO. LINES 8 — FT. SLIPPED Nil
FT. CUT OFF Nil — PRESENT LENGTH 3080'
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON-MI. OR TRIPS

DRILLING CREW PAYROLL DATA
DATE 1-14-72
WELL NAME & NO. AMOCO ETAL AI REG DOG G29
COMPANY Thomson Drlg
TOOL PUSHER [illegible]
RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	4½	3¾	9½
3.	REAMING	2		
4.	CORING			
5.	CONDITION MUD & CIRCULATE			4½
6.	TRIPS		3¾	
7.	LUBRICATE RIG	¼		1½
8.	REPAIR RIG	½		
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	¾	1¼	1½
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	3 49
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT	2 A RR	
13	STB RMR		
	D.C. ID	6 6¼ OD 9¾	354.87
	STB RMR	OD	
	D.C. ID	OD	
	STB RMR	OD	
		SUBS 4.13	
	STANDS DP		
	SINGLES DP		
	KELLY DOWN	41.00	
	TOTAL	409.00	
	WT. OF STRING	45000	LBS.

BIT RECORD

BIT NO.	1A R
SIZE	12¼
MFG.	HW
TYPE	OSC
JETS 1/32"	1/4 3/16
SER. NO.	31877
DEPTH OUT	
DEPTH IN	155
TOTAL FTG.	409
TOTAL HRS. RUN	12¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0700	0400	0600
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT	483	483	483
VISC.-SEC.	35	42	41
PV/YP	/	/	9/23
GELS.	/	/	8/21
WL -CC'S.			
pH			9.5
SOLIDS %			7

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT	3 A	
	STB RMR	7 7/8 OD	
13	D.C. ID	6 6¼ OD	382.98
	STB RMR	OD	
	D.C. ID	OD	
	STB RMR	OD	
	T.D. SUB	11.06	
4	REAMER	19.07	
	X.O SUB	1.72	
	STANDS DP		
	SINGLES DP		
	KELLY DOWN	41.00	
	TOTAL	428.41	
	WT. OF STRING	45.000	LBS.

BIT RECORD

BIT NO.	2A	3A RR
SIZE	12¼	7⅞
MFG.	HW	HW
TYPE	OSC	X1G
JETS 1/32"	1/4 3/16	3/12
SER. NO.	31877	33005
DEPTH OUT	428	
DEPTH IN	155	428
TOTAL FTG.	273	
TOTAL HRS. RUN	3¼	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI		

MUD RECORD

TIME	8:00	
WEIGHT	9.3	
PRESSURE GRADIENT	4836	
VISC.-SEC.	43	
PV/YP	9/23	/
GELS.	8/21	/
WL -CC'S.		
pH	9.5	
SOLIDS %	7%	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
3A	BIT		
	STB RMR	7⅞	
14	D.C. ID	6 6¼	4.12
	STB RMR	OD	
	D.C. ID	OD	
	STB RMR	OD	
	T.D. SUB	11.06	
	REAMER	19.07	
	X.O		
	STANDS DP		
	SINGLES DP		
	KELLY DOWN	32	
	TOTAL	474	
	WT. OF STRING	45.000	LBS.

BIT RECORD

BIT NO.	3A RR
SIZE	7⅞
MFG.	HW
TYPE	X1G
JETS 1/32"	3/12
SER. NO.	33005
DEPTH OUT	
DEPTH IN	428
TOTAL FTG.	201
TOTAL HRS. RUN	13
COND. 1/8's T/B/ GAGE	5.0
GPM/ PD-PSI	

MUD RECORD

TIME	18:00		
WEIGHT	9.3		
PRESSURE GRADIENT	4836		
VISC.-SEC.	40		
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %	3%		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000		
CAUSTIC	50		
KWIK SEAL	4004B		
SQUEEZE	454X		

MORNING TOUR

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. PARELLEL COMP. DC
250	310	RM			120	40,000	450	5½	64	5½	605	
310	400	DR			160	45,000	—	—	—			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	254	¾	340	310	¾	340	370	½	

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0200	0215	¼		RIG SERVICE + SURVEY
0215	0230	¼		REAM 7⅞" TO 12¼
0230	0415	1¾		DRILL 12¼ HOLE
0415	0430	¼		SURVEY, POOH
0430	0500	½		REPAIR MAIN OIL LINE ON DRWKS.
0500	0630	1½		DRILL 12¼" HOLE
0630	0645	¼		SURVEY

0645-0800 1¼ DRLG
0800-1200 — WORK ON CAMP F.W.S.H. ROOF, THAW SEWER LINE FROM COOK QUARTERS

DRILLER Clifford Johnson

DAY TOUR

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. PARELLEL COMP. DC
400	428	D			160	2-5	450	5½	60			5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	400	1¾	4	428	1¼				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0815	¼	10	SURVEY @ 400 MISRUN
0815	0900	¾	2	DRILLING.
0900	0930	½	10	SURVEY @ 402.
0930	1100	1½	2	DRILLING
1100	1230	1½	6	DROP SURVEY, HOIST. PICKUP D.J. TELEDRIFT AND SUBAND
1230	1600	3½		RMR

DRILLER Lloyd Jacob

EVENING TOUR

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. PARELLEL COMP. DC
428	474	D			120		1200	5½	64			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	460	1½°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Rig Service
1630	1830	2		DRLG 7⅞ hole
1830	1900	½		Survey
1900	1930	½		DRLG
1930	2400	4½		LOST CIRC. (mix mud @ 474 — 120 bbls mud pumped down hole

EST 250 lost before pump shut off.

DRILLER T. Kostyniuk

MORNING TOUR — 12:00 P.M. — 6 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD JOHNSON	12
DRKMAN	600 703 466	CLINT CAMPBELL	12
MTRMAN	613 741 913	E.O BROZNY	12
FIREMAN			1
FLRMAN	421 323 398	RALPH CHROMIX	12
FLRMAN	623 205 606	JAMES BLAKE	12
FLRMAN			

NO. OF DAYS 400 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8:00 A.M. — 4:30 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 605	LLOYD JACOB	8
DRKMAN	608 284 667	RICK BELAIR	8
MTRMAN	430 255 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 864	LESLIE SIMPSON	8
FLRMAN	613 779 636	CARL SCHILLER	8
FLRMAN			

NO. OF DAYS 293 — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	T. Kostyniuk	8
DRKMAN	601 439 276	P. Bellinao	8
MTRMAN	608 432 258	J. Bowman	8
FIREMAN			
FLRMAN	615 331 774	R. Brooker	8
FLRMAN	617 514 842	W. Lewis	8
FLRMAN			
	602 214 082	Ted Bergquist	

NO. OF DAYS 40 — SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO. 3

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO EXAL AI RED DOG G29	A1		1-13-72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	THOMSON DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K.J. Barnes

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J. Thompson

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6-5/8	FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NAT	C250	15

LEGAL LAND DESCRIPTION: 64° 07" N 125° 35° 30" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/16	8	

FT. CUT OFF: 41 — PRESENT LENGTH: 5000

TON MI. OR TRIPS SINCE LAST CUT: 41

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-13-72

WELL NAME & NO. AMOCO EXAL AI RED DOG G29

COMPANY T.O. DRLG R.G 19

TOOL PUSHER J. Thompson — RIG NO. 19

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	13½	8	
3	REAMING			3¼
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	1¾	¼	1¾
7	LUBRICATE RIG	½	¼	¼
8	REPAIR RIG	¼		
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	½	1	¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	RING KELLY COCK UP	1½		
22				
23				

COMPLETION: A. PERF'R'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDIT'N'L; G.

TOTALS 24

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/OPR. D.P.

HRS. WO/D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD 3

CUMULATIVE ROTATING HRS. 32

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — MORNING TOUR

NO.			FT.
3A	BIT		
	STB RMR	OD	FT.
7	D.C. 6¼ ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING 35000 LBS.

BIT RECORD — MORNING TOUR

BIT NO.	3A
SIZE	7⅞
MFG.	HW
TYPE	X1C
JETS 1/32"	9/12
SER. NO.	33005
DEPTH OUT	
DEPTH IN	155
TOTAL FTG.	
TOTAL HRS. RUN	4/14
COND. 1/8"s T/B/ GAGE	
GPM/ PD—PSI	

MUD RECORD — MORNING TOUR

TIME	0400	0600
WEIGHT		
PRESSURE GRADIENT		1000
VISC.—SEC.	36	34
PV/YP	/	1/ /
GELS	/	/ /
WL—CC'S		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION — MORNING TOUR

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'L—P COM.—C
165	225	DR.			80/120	5 000/000		5½	64	5½	60	S

DEVIATION RECORD — MORNING TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
195	½		225	¼				

TIME LOG — MORNING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0030	½		RIG SERVICE, + CON
0030	0200	1½		~~CON~~ DRLG KELLY SOCK DOWN
0200	0300	1		TRIP + UNPLUG B.T. BIT PLUGGED w/ SYLTITE
0300	0400	1		DRILL
0400	0415	¼		~~REPLACED~~ LOOSEN PONY ROD PACKING OFF FLY WHEEL
0415	0515	1		DRILL — 0715 - 0400 - TRIP - 3¼ hr
0515	0530	¼		SURVEY
0530	0700	1½		DRILL

DRILLER Paul Jacob

NO. OF DAYS 307 — SINCE LAST LOST TIME ACCIDENT

MORNING TOUR — 12:00 P.M. — 4:30 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD A JOHNSON	
DRKMAN	600 703 466	CLINT CAMPBELL	
MTRMAN	410 481 913	ED BROZNY	
FIREMAN			
FLRMAN	421 362 898	RALPH CHROMIX	
FLRMAN	623 205 606	JAMES BIRKE	
FLRMAN			

DRILLING ASSEMBLY (At end of tour) — DAY TOUR

NO.			FT.
3A	BIT		
	STB RMR	OD	FT.
9	D.C. 6¼ ID	OD	265.69 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	X.O. Sub		1.72
	Ball Sub		2.67
	STANDS DP	—	FT.
	SINGLES DP	—	FT.
	KELLY DOWN		41.00 FT.
1	TOTAL	310.78	FT.

WT. OF STRING 38000 LBS.

BIT RECORD — DAY TOUR

BIT NO.	3A
SIZE	7⅞
MFG.	HW
TYPE	X1C
JET 1/32"	3 12
SER. NO.	33005
DEPTH OUT	310
DEPTH IN	155
TOTAL FTG.	155
TOTAL HRS. RUN	10¾
COND. 1/8"s T/B/ GAGE	
GPM/ PD—PSI	

MUD RECORD — DAY TOUR

TIME	8:00	10:00	4:00
WEIGHT	9.9	9.9	8.9
PRESSURE GRADIENT			
VISC.—SEC.	35	33	35
PV/YP	/	/	/
GELS.	/	/	/
WL—CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sawdust	10 Bags		

FOOTAGE / FORMATION — DAY TOUR

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'L—P COM.—C
225	310	D			160	12.M S.M	900	5½	60	5½	60	

DEVIATION RECORD — DAY TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
250	¾		290	¼				

TIME LOG — DAY TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0845	¾	D	DRILLING
0945	1015	½	10-7	SURVEY (¼) RIG SERV (¼)
1015	1300	2¾	D	DRILLING
1300	1345	¾	16	SURVEY @ 280
1345	1530	¾	D	DRILLING
1530	1545	¼	10	DROP SURVEY
1545	1600	¼	6	HOIST FOR BIT 12¼

DRILLER Paul Jacob

NO. OF DAYS 292 — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8:00 A.M. — 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	8
DRKMAN	608 284 467	RICK BELAIR	8
MTRMAN	430 255 493	LARRY BELAIR	8
FIREMAN			
FLRMAN	619 061 964	LESLIE SIMPSON	8
FLRMAN	603 779 636	CARL SCHILLER	8
FLRMAN			

DRILLING ASSEMBLY (At end of tour) — EVENING TOUR

NO.			FT.
2A	BIT	RR	
	STB RMR	OD	FT.
6	D.C. 6¼ ID	OD	179.41 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	X.O. Sub		1.72
	Bobbi Sub		2.67
	STANDS DP		FT.
1	SINGLES DP		30.97 FT.
	KELLY DOWN		36.00 FT.
	TOTAL	250	FT.

WT. OF STRING LBS.

BIT RECORD — EVENING TOUR

BIT NO.	2A RR.
SIZE	12¼
MFG.	HW
TYPE	OSC
JETS 1/32"	14 14 13
SER. NO.	31877
DEPTH OUT	
DEPTH IN	155
TOTAL FTG.	95
TOTAL HRS. RUN	5¾
COND. 1/8"s T/B/ GAGE	
GPM/ PD—PSI	

MUD RECORD — EVENING TOUR

TIME	1800	10.00	11.
WEIGHT	8.9	8.9	8.9
PRESSURE GRADIENT	460	460	460
VISC.—SEC.	35	35	35
PV/YP		Hvm	Lite
GELS.			
WL—CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500		

FOOTAGE / FORMATION — EVENING TOUR

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'L—P COM.—C
155	250	R			90	10M	400	5½	62	5½	60	

DEVIATION RECORD — EVENING TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
310	⅞°		155	½	Leaning	225	¼°	

TIME LOG — EVENING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼	7	Rig Ser.
1615	1700	¾	6	Trip for bit.
1700	1930	2½	3	Ream 7⅞ to 12¼ Very Rough
1930	1945	¼		Survey
1945	2130	1¾		DRLG (Ream)
2130	2230	1		Drop survey Trip plugged bit
2230	2400	1½		DRLG (Ream)

DRILLER Ted Bergesen

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	T. Hrabetynuk	8
DRKMAN	604 439 276	P. Hrabetynuk	8
MTRMAN	608 432 558	D. Bowman	8
FIREMAN			
FLRMAN	615 331 794	R. Brooks	8
FLRMAN	617 514 842	W. Lewis	8
FLRMAN			
Welder	602 314 082	Ted Bergesen	9

STPI 583

FORM 3T5 — APPROVED — APPROVED

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

CAODC — APPROVED (Rev. Jan. 1/71)

DAILY DRILLING REPORT — REPORT NO. 2

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO ETAL A1 REO DOC C29	A1		1-12-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO of CANADA		THOMSON DRLG	19
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D Sami		L Mulligan	

O.D. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½"	16.5		5½	4½ FH	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NAT	C250	15

LEGAL LAND DESCRIPTION: 64° 07" N 125° 35' 30" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1⅛	8	N.I
FT. CUT OFF	PRESENT LENGTH	
N.I	5000'	

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE 1-12-72

WELL NAME & NO. AMOCO ETAL A1 REO DOC C29

COMPANY Thomson DRLG

TOOL PUSHER L Mulligan RIG NO. 19

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.	
DRILLER	602 949 760	CLIFFORD A JOHNSON	12	TRAVEL TIME
DRKMAN	600 [illegible] 466	CLINT CAMPBELL	12	
MTRMAN	610 481 913	ED BROZNY	12	
FIREMAN	67			
FLRMAN	623 205 606	JAMES BLAKE	12	(8)
FLRMAN		RALPH CHROMIK		
FLRMAN	421 362 895	RALPH CHROMIK	12	8
		TRAVEL TIME FOR J BLAKE & R CHROMIK FOR JAN 11 - ½ hour		

NO. OF DAYS 306 SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. A.M. 4:30 P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 759 615	PAUL JACOB	10
DRKMAN	608 284 467	RICK BELAIR	10
MTRMAN	730 256 443	LARRY BELAIR	10
FIREMAN			
FLRMAN	609 061 964	LEVIE SIMPSON	10
FLRMAN	613 779 632	CARL SCHILLER	10
FLRMAN			

STAY OVER TO FINISH RIGGING UP. STANDBY PUMP.

NO. OF DAYS 291 SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	J Kostyniuk	12
DRKMAN	601 459 [illegible]76	P Belibas	12
MTRMAN	608 432 258	D. Bowman	12
FIREMAN			
FLRMAN	615 331 774	R. Brooks	12
FLRMAN	617 514 842	W. Lewis	12
FLRMAN			
Welder	602 214 082	Ted Berkman	8

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		11¼	5¼
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		1½	2
7. LUBRICATE RIG	¼		¼
8. REPAIR RIG	7¾	3½	¼
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		¾	¼
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Rig Up & Circ			2
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	4	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	2
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

NO. 1 DRILLING ASSEMBLY (At end of tour)

BIT		FT.
STB RMR OD		FT.
D.C. ID OD	23 6¼ 6¼ 59.86	FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
Sub	4.39	FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN	41.20	FT.
TOTAL	105.25	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	2A
SIZE	12¼
MFG.	
TYPE	OSC3
JET 1/32"	1 14 3/8
SER. NO.	31877
DEPTH OUT	75
DEPTH IN	75
TOTAL FTG.	30
TOTAL HRS. RUN	1¼
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	10.00	12:00	2:00
WEIGHT	9.5	9.6	9.6
PRESSURE GRADIENT			
VISC.–SEC.	50	60	90
PV/YP			
GELS.			
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Cal			

NO. 2 DRILLING ASSEMBLY (At end of tour)

BIT	X16	FT.
STB RMR OD		FT.
D.C. ID OD	6¼ 120.08	FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
Sub	5.32	FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN	41	FT.
TOTAL	165	FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	2A	2A
SIZE	12¼	9⅞
MFG.	HW	HW
TYPE	OSC	X16
JETS 1/32"	1 14 3/8	3-12
SER. NO.	31877	33005
DEPTH OUT	155	
DEPTH IN	75	155
TOTAL FTG.	80	10
TOTAL HRS. RUN	3¾	5-¼
COND. 1/8's T/B/ GAGE	1 1	I
GPM/ PD–PSI		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.		35	
PV/YP			
GELS.			
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		
CAUSTIC	100		

MORNING TOUR

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 SCHLUMBERGER DIPMETER COMPUTER
0	0											

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		RIG SERVICE
0015	0530	5¼		WORK ON WATER LINE AND KELLY, WORK ON FUEL PUMP
0530	0600	½		WORK ON PUMP CAGES W/ WELDER CHANGE UNIONS ON PUMP WORK ON MUD LINE FROM STAND BY.
AW	1200	4		INSTALL AIR STARTER ON #4 MOTOR. WORK ON MUD PUMP. REBUILD RETURN LINE TO WATER TANK
				NAT STARTING YELLOW 004

DRILLER Clifford Johnson

DAY TOUR

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 SCHLUMBERGER DIPMETER COMPUTER
75	105	D			80	ALL	200	5½	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
105	⅛							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0930	1½		FINISH WELDING GAUGE PICK UP KELLY BLOW OUT SAME
0930	1100	1½		PULL OUT TO UNPLUG BIT UNPLG SAME
1100	1215	1¼		DRILLING 12¼ HOLE
1215	1515	3		CIRC TO SURVEY TRIP OUT CHECK BIT
				LINE IN POWER END OF D-500 PUMP (1) MIX MUD
				UNABLE TO MAKE CONN (1-¼)
1515	1600	¾		SURVEY @ 105°

DRILLER Paul Jacob

EVENING TOUR

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 SCHLUMBERGER DIPMETER COMPUTER
105	165				80	ALL	300	5½	64			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
135	3¼°		150'	¾				

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Ser.
1615	1800	1¾		DRLG
1800	1815	¼		Survey
1815	2100	2¾		DRLG
2100	2300	2		Trip out Survey
2300	2330	½		Drlg
2330	2345	¼		Work on pump clutch
2345	2400	¼		Drlg.

DRILLER J Kostyniuk

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AMOCO ET AL AI RED DOG G29	A1		1-11-72

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA	THOMSON DRLG	19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A L Hamm

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J Bullyan

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION: 64° 07" N 125° 35' 30" W

LAST CASING TUBING OR LINER

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

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN	8	4	
2	DRILL ACTUAL		5½	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE		1½	
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'NL			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
	D.C. ID OD	FT.	TYPE	VISC.–SEC.
	STB RMR OD	FT.	JETS 1 32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH OUT	WL –CC'S.
			DEPTH IN	pH
			TOTAL FTG.	SOLIDS %
	STANDS DP	FT.	TOTAL HRS. RUN	
	SINGLES DP	FT.	COND. 1/8"s T/B. GAGE	MUD & CHEMICALS ADDED
	KELLY DOWN	FT.	GPM/ PD–PSI	TYPE / AMT. / TYPE / AMT.
	TOTAL	FT.		
WT. OF STRING		LBS.		

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
1A	BIT OSC	75 FT.	BIT NO. 900044	TIME WATER
			SIZE 12¼	WEIGHT 8.4
	STB RMR OD	FT.	MFG. RW	PRESSURE GRADIENT 200
1	D.C. ID OD	66½ FT.	TYPE OSC	VISC.–SEC. 28
	STB RMR OD	FT.	JET 1/32" NO NE	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH OUT	WL –CC'S.
			DEPTH IN	pH
			TOTAL FTG.	SOLIDS %
	STANDS DP	FT.	TOTAL HRS. RUN	
	SINGLES DP	FT.	COND. 1/8"s T/B. GAGE	MUD & CHEMICALS ADDED
	KELLY DOWN	41.00 FT.	GPM/ PD–PSI	TYPE / AMT. / TYPE / AMT.
	TOTAL	95.17 FT.		Gel 2000# Caustic 150#
WT. OF STRING	20000	LBS.		

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	TIME
			SIZE	WEIGHT
	STB RMR OD	FT.	MFG.	PRESSURE GRADIENT
	D.C. ID OD	FT.	TYPE	VISC.–SEC.
	STB RMR OD	FT.	JETS 1/32"	PV/YP
	D.C. ID OD	FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH OUT	WL –CC'S.
			DEPTH IN	pH
			TOTAL FTG.	SOLIDS %
	STANDS DP	FT.	TOTAL HRS. RUN	
	SINGLES DP	FT.	COND. 1/8"s T/B. GAGE	MUD & CHEMICALS ADDED
	KELLY DOWN	FT.	GPM/ PD–PSI	TYPE / AMT. / TYPE / AMT.
	TOTAL	FT.		
WT. OF STRING		LBS.		

MORNING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION	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'L–P COM'P–C

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8		RIGGING UP. SHOVEL UP MUD. TOOL STANDBY WORK ON AIR CONTROLS, WORK ON PUMP
800	1200	4		CLEAN UP AROUND R.G, WORK ON LIGHTS IN PUMP HOUSE

DRILLER

DAY TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COM'P–C
0	75	D			80	5000	200	5½	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
75'	0°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1200	4		WORK ON PUMP NO. 2 PICK COLLARS MAKE UP BIT THAW OUT AIR LINE ON DWR.
1200	1430	2½		SPUD IN & DRILLING 12¼ HOLE
1430	1600	1½		UNABLE TO MAKE CONN. MIX MUD AND CIRC. (EXTRA CREW)
1600	2000	4		WORK ON MAIN PUMP
				8 HRS TRAVELLING TIME FROM EDMONTON TO RIG 19 FOR CARL SCHILLER

DRILLER Paul Jacob

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR–D RM–R CORE–C	CORE NO.	FORMATION	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'L–P COM'P–C

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	2~~400~~ 1600			Rig Up (EXTRA CREW)
1600	2400			Work on mud line & trip bit #1A

DRILLER

DRILLING CREW PAYROLL DATA

DATE 1-11-72

WELL NAME & NO. AMOCO ETAL RED DOG G29

COMPANY AMOCO CANADA

TOOL PUSHER J Bullyan RIG NO. 19

MORNING TOUR 12 P.M. 4 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	602 949 760	CLIFFORD A JOHNSON	12
DRKMAN	600 703 466	CLINT CAMPBELL	12
MTRMAN	610 481 913	ED BROZNT	12
FIREMAN			
FLRMAN	615 331 774	ROBIN BROOKS	16
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:30 A.M. 4:30 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.	
DRILLER	602 759 615	PAUL JACOB	12	TRAVEL TIME
DRKMAN	618 264 467	RICK DELAIR	14	
MTRMAN	430 295 453	LARRY DELAIR	14	
FIREMAN	64 OF			
FLRMAN	619 061 864	LESLIE SIMPSON	14	
FLRMAN	613 779 636	CARL SCHILLER	8	8
FLRMAN				

TRAVEL FOR

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	600 704 498	J. Kostynuk	12
DRKMAN	601 459 276	J. Gelinas	12
MTRMAN	608 452 258	D. Bowman	12
FIREMAN			12
FLRMAN	617 514 842	W. Lewis	12
FLRMAN	615 331 774	R. Brooks	4
FLRMAN			
Welder	602 214 052	Ted Bingham	16

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 3T5 — APPROVED — APPROVED

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

CAODC APPROVED (Rev. Jan. 1/71)

AMOCO CANDEX SHELL A-1 RED DOG K-29

DA 561

LEASE: Amoco Canada Shell — WELL NO.: A-1 — API WELL NUMBER — DATE: 3-10-72

OPERATOR: Amoco Canada LTD — CONTRACTOR: Thomson Drilling — RIG NO.: 19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K.T. Sanna — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: K. Crumley

K-29-64-10-125-30

LEGAL LAND DESCRIPTION: 64-6½-43 N 125° 34' 65°W

D.P. SIZE	WT. PT.	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-550	16
2	Emsco	C-250	12

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	BKB TO CSG. HD.	SET AT
9⅝	NKK	40 K55	17	735'	13'6"	722'
7	Kawasaki	26 K55	77	3395'		2910'

WIRE LINE RECORD — REEL NO. 1

SIZE 1/4 — NO. LINES 4 — FT. SLIPPED 100

FT. CUT OFF 100 — PRESENT LENGTH 4530

TOH ML OR TRIPS SINCE LAST CUT (44)

CUMULATIVE TOH ML OR TRIPS

TIME DISTRIBUTION - HOURS

CODE NO.	OPERATION	MORN	DAY	EVE
1	R.C. UP AND TEAR DOWN			
2	DRILL ACTUAL	7	7	7¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¾	½	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				

COMPLETION: A. PERF'N'TN; B. TBG TRIPS; C. TREATING; D. SWABBING; E. TESTING; F. ADDT'NL; G.

TOTALS: 9 | 8 | ¼

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W CONTR. D.P.
HRS. W OPR. D.P.
HRS. NO D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		65	FT
1	D.P. Sub		2.49	
	STB Roll	OD		FT
19	DC ID	OD	550.42	
	STB Roll	OD		FT
	D.C. ID	OD		FT
	STB Roll	OD		FT
1	Recee		32.59	
	STANDS DP		3212.54	FT
2	SINGLES DP		63.79	FT
	KELLY DOWN		29.00	FT
	TOTAL		4305	FT
	WT. OF STRING		80000	LBS

BIT RECORD

BIT NO.	23
SIZE	6⅛
MFG.	Sec
TYPE	S86
JETS 1 32nds	12 12 12 BK
SER. NO.	374574
DEPTH OUT	4530
DEPTH IN	4305
TOTAL FTG.	60'
TOTAL HRS. RUN	9½
COND. 1 2 T B GAGE	
GPM PD PSI	

MUD RECORD

TIME	8:45	10:00	12:00
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	10		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	4 lbs		
Caustic	5 lbs		

MORNING TOUR

FOOTAGE

FROM	TO	DR'L'D RUN OR 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
4534	4590	D			40	10	1400	5	47			

DEVIATION RECORD: DEPTH 4530 — DEV. 12 — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2430	½		Drilling
2430	2445	¼		R.C. SER'V
2445	0445	4		Drilling
0445	0530	¾		Survey
0530	0600	2½		Drilling

DRILLER: [signature]

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT Sub		249	FT
1	Monel Drill		33.59	
	STB Roll	OD		FT
19	DC ID 4600	OD	550.43	FT
	STB Roll	OD		FT
	D.C. ID	OD		FT
	STB Roll	OD		FT
43	STANDS DP		4086.32	FT
1	SINGLES DP		31.18	FT
	KELLY DOWN		19.00	FT
	TOTAL		4643.00	FT
	WT. OF STRING		80,000	LBS

BIT RECORD

BIT NO.	23
SIZE	6⅛
MFG.	SEC.
TYPE	S86
JETS 1 32nds	12 12 BK
SER. NO.	374574
DEPTH OUT	
DEPTH IN	4530
TOTAL FTG.	113
TOTAL HRS. RUN	14¾
COND. 1 2 T B GAGE	
GPM PD PSI	

MUD RECORD

TIME	9:00	10:00	12:00
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	11.0	11.0	11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE

FROM	TO	DR'L'D RUN OR 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
4590	4643				40	10	1400	SN6	47			

DEVIATION RECORD: DEPTH 4592 — DEV. 11½° — DIRECTION — DEPTH 4623 — DEV. 11° — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0915	1¼		DRLG.
0915	0945	½		SURVEY @ 4592, RIG SER - BOP ✓
0945	1415	4½		DRLG.
1415	1445	½		SURVEY @ 4623
1445	1600	1¼		DRLG.
				20.10 Ft. Taken in #1 fuel tank.

DRILLER: [signature]

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT		60	FT
1	D.P. Sub		2.49	
	STB Roll	OD		FT
1	D.C. ID Monel	OD	33.07	FT
	STB Roll	OD		FT
19	D.C. ID	OD	550.42	FT
	STB Roll	OD		FT
44	STANDS DP		4099.08	
	SINGLES DP			FT
	KELLY DOWN		30	FT
	TOTAL		4716.18	
	WT. OF STRING		80 M	LBS

BIT RECORD

BIT NO.	23
SIZE	6⅛
MFG.	Sec
TYPE	S86
JETS 1 32nds	12 12 BK
SER. NO.	374574
DEPTH OUT	
DEPTH IN	4530
TOTAL FTG.	186
TOTAL HRS. RUN	21¾
COND. 1 2 T B GAGE	
GPM PD PSI	

MUD RECORD

TIME	1400	1600	1000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT		437	
VISC.-SEC	28	28	29
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	11.0	11.0	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash 40%			
Dispo + Clean		Sapper Tank	

EVENING TOUR

FOOTAGE

FROM	TO	DR'L'D RUN OR 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
4643	4716	D			50	15	1400	5	47			
					48	15	1400					3

DEVIATION RECORD: DEPTH 4650 — DEV. 11° — DIRECTION — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	1815	2¼		Drilling
1815	1830	¼		Rig Ser.
1830	1900	½		Survey
1900	2400	5		Drilling

DRILLER: [signature]

APPROVED — APPROVED

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

LEASE: Amoco Canada Ewell Pedley | WELL NO.: A-1 | API WELL NUMBER | DATE: 3-11-72
OPERATOR: Amoco of Canada LTD | CONTRACTOR: Thomson Drilling | RIG NO.: 19
SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Hanni | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: GR Crumly

LEGAL LAND DESCRIPTION: 64-C4-43W.125.30.55W

D.P. SIZE	WT. FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	A-500	16
1	Ideal	C-250	15

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	REM. TO CSG. NO.	SET AT
5⅝	NKKK	24 K55	17	735	1240	730
7	KVK	26 K55	77	2555		2910

WIRE LINE RECORD — REEL NO.
SIZE | NO. LINES | FT. SLIPPED
FT. CUT OFF | PRESENT LENGTH
TON mi. OR TRIPS SINCE LAST CUT
CUMULATIVE TON mi. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	PICK UP AND TEAR DOWN			
2	DRILL ACTUAL	7	6¼	7¼
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¾	¾	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23		Rig Ser		

COMPLETION: A. PERF'G'TN | B. TBG TRIPS | C. TREATING | D. SWABBING | E. TESTING | F. ADDITN'L | G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W CONTR. D.P.	
HRS. W OPR. D.P.	
HRS. NO D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS P.P.M. SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		60 FT
	D.S.R.	2.49	
	STB Rmr OD		FT
19	D.C. ID OD	550.43	FT
	STB Rmr OD		FT
	D.C. ID OD		FT
	STB Rmr OD		FT
	Wkd	33.57	
44	STANDS DP	4146.34	FT
2	SINGLES DP	62.34	FT
	KELLY DOWN	32.00	FT
	TOTAL	4790	FT
WT. OF STRING	52,000		LBS

BIT RECORD

BIT NO.	23
SIZE	6¾
MFG.	Sec
TYPE	SEC
JETS 1 32nd	12 12 12
SER. NO.	374574
DEPTH OUT	4780
DEPTH IN	4330
TOTAL FTG.	450
TOTAL HRS. RUN	28¾
COND. 1 T. B. GAGE	1 1 1
GPM PD PSI	/ / /

MUD RECORD

TIME	0800	1000	1200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	11.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DR'L'D RE-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
4716	4780	D			42	15	1400	5"	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4727	11°30'	S 37 E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	0745	¾		Drilling
0745	0800	¼		R.S. SERV
0800	0845	¾		Survey w/ EASTMAN - Single SHOT
0845	0900	¼		Drilling

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT Sub	2.49	FT
	STB Rmr OD		FT
19	D.C. ID OD	550.43	FT
	STB Rmr OD		FT
	D.C. ID OD		FT
	STB Rmr OD		FT
1	Mud Conn	33.59	FT
45	STANDS DP	4193.03	FT
1	SINGLES DP	31.19	FT
	KELLY DOWN	31.00	FT
	TOTAL	4840.72	FT
WT. OF STRING	82,000		LBS

BIT RECORD

BIT NO.	23
SIZE	6¾
MFG.	Sec
TYPE	SEC
JETS 1 32nd	12 12 12
SER. NO.	374574
DEPTH OUT	
DEPTH IN	4530
TOTAL FTG.	310
TOTAL HRS. RUN	35½
COND. T. B. GAGE	
GPM PD PSI	/ / /

MUD RECORD

TIME	0900	1000	1200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	11.5	11.0	11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE

FROM	TO	DR'L'D RE-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
4790	4840				42	15	1400	5x16	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4810	11°	N 27 E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0830	½		DRLG.
0830	0900	½		RIG SER. + BOPE
0900	1245	3¾		DRLG.
1245	1330	¾		SURVEY @ 4810
1330	1600	2½		DRLG.

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT .60	.60	FT
1	3.65 2.49	2.49	
	STB Rmr OD		FT
1	D.C. ID Monel	23.59	FT
	STB Rmr OD		FT
19	D.C. ID OD	530.42	FT
	STB Rmr OD		FT
46	STANDS DP	4085.24	FT
	SINGLES DP		FT
	KELLY DOWN	41.00	FT
	TOTAL	4912	FT
WT. OF STRING	84,000		LBS

BIT RECORD

BIT NO.	23
SIZE	6⅛
MFG.	Sec
TYPE	SEC
JETS 1 32nd	12 12 12
SER. NO.	374574
DEPTH OUT	
DEPTH IN	4530
TOTAL FTG.	382
TOTAL HRS. RUN	42½
COND. T. B. GAGE	
GPM PD PSI	/ / /

MUD RECORD

TIME	1400	1900	1000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	29	29	29
PV YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	9.0	10.0	12.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	600#		

EVENING TOUR

FOOTAGE

FROM	TO	DR'L'D RE-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
4840	4912	D			42	15	1400	5"	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4900	1°¼	N 26 E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾		DRLG.
1645	1700	¼		Rig Ser.
1700	2330	6½		DRLG.
2330	2400	½		Survey Directional

DRILLER

LEASE: Pincer Canada Shell | WELL NO.: A-1 | API WELL NUMBER: | DATE: 3-12-77

OPERATOR: Pincer Canada LTD. | CONTRACTOR: Thomson Drilling Cannon LTD | RIG NO.: 19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D Hamm | SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

LEGAL LAND DESCRIPTION: 64-C-43E-122-34-55W

D.P. SIZE	WT. PT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-550	16
2	Wet	C-250	15"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	WEIGHT TO CSG. NO.	SET AT
8⅝	Mann	24 K55	17	735'		735
7	Kilo	26 K55	79	2572'		7446

WIRE LINE RECORD — REEL NO.

SIZE | NO. LINES | FT. SLIPPED | FT. CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN	DAY	EVE
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	4¼		L
3	REAMING		¼	7¾
4	CORING			
5	CIRCULATE & CONDITION	½		
6	TRIPS	2½	2¾	
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.		½	
15	TEST B.O.P.		½	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	CHANGE BIT & REAMER			3¾
22	REAMING			¼
23	MAKE UP REAMERS			1

COMPLETION: A. DESCRIPTION | B. TBG TRIPS | C. TREATING | D. SWABBING | E. TESTING | F. ADDITIVE | G.

TOTALS: 8 | 8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W. CONTR. D.P. | HRS. W. OPR. D.P. | HRS. NO D.P. | HRS. STANDBY | TOTAL DAY WORK | NO. OF DAYS FROM SPUD | CUMULATIVE ROTATING HRS. | TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		4CFT
	B.S.C.6	2.49	
	STB	OD	FT
19	D.C. ID	OD 530.44	FT
	STB	OD	FT
	D.C. ID	OD	FT
	STB	OD	FT
	Monel	33.89	FT
46	STANDS DP	4385.52	FT
2	SINGLES DP	62.44	FT
	KELLY DOWN	38.00	FT
	TOTAL	4917	FT
WT. OF STRING		52,000	LBS

BIT RECORD

BIT NO.	23	
SIZE	6½	
MFG.	Sec	
TYPE	S88	
JETS 1 32nds	12 12 B	
SER. NO.	374574	
DEPTH OUT	4972	
DEPTH IN	4530	
TOTAL FTG.	440	
TOTAL HRS. RUN	49½	
COND. 1 B GAGE		
GPM PD-PSI		

MUD RECORD

TIME	6PCC	6300	6500
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV. YP	/	/	/
GELS	/	/	/
WL -CC'S	/	/	/
pH	/	/	/
SOLIDS %	/	/	/

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

MORNING TOUR

FOOTAGE / FORMATION

FROM	TO	DR'LD RUN-IN 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
4917	4972				42	12	1400	5"	47			

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

DAILY DETAILS

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0230	2½		Drilling KB - 2" OUTLET - 1446.
0230	0245	¼		Rig SERV
0245	0500	2¼		Drilling
0500	0530	½		Circ Sample @ 4972
0530	0600	½		trip out w/ multishot SURVEY STRAP out
0600	0800	2½		trip out w/ multishot SURVEY STRAP out

DRILLER: Lantz

BIT RECORD

BIT NO.	23	24
SIZE	6½	6½
MFG.	Sec.	Sec.
TYPE	S88	M93
JETS 1 32nds	12 12 B	12 12 B
SER. NO.	374574	379930
DEPTH OUT	4972	
DEPTH IN	4530	4972
TOTAL FTG.	442	
TOTAL HRS. RUN	47½	
COND. 1 B GAGE		
GPM PD-PSI	/	/

DRILLING ASSEMBLY (At end of tour)

NO.			
1	REAMER	466	FT
1	MONEL	33.59	FT
1	STB OD	466	FT
1	D.C. 2.10 OD	2941	FT
1	STB OD	451	FT
1	D.C. 2.10 OD	2973	FT
1	STB OD	463	FT
1	D.C.	29.38	FT
1	REAMER	6.34	FT
16	D.C.	462.00	FT
74	STANDS DP	4295.84	FT
2	SINGLES DP	62.44	FT
	KELLY DOWN		FT
	TOTAL		FT
WT. OF STRING		82,000	LBS

BIT RECORD

BIT NO.	23	24
SIZE	6½	6½
MFG.	Sec.	Sec.
TYPE	S88	M93
JETS 1 32nds	12 12 B	12 12 B
SER. NO.	374574	379930
DEPTH OUT	4972	
DEPTH IN	4530	4972
TOTAL FTG.	442	
TOTAL HRS. RUN	47½	
COND. 1 B GAGE		
GPM PD-PSI	/	/

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

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR'LD RUN-IN 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
4972												

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

DAILY DETAILS

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		FINISH OUT
0830	0900	½		RIG SER. & TEST BOP.
0900	1215	3¼		REMOVE ROTATING HEAD & INSTALL FLOW NIPPLE & FLOW LINE.
1215	1515	3		MAKE UP REAMERS & RUN IN TO 3000'
1515	1530	¼		BRK. CIRC.
1530	1600	½		REAMING.

1 NEAR BIT REAM - DRILCO
1 MINER LOWER - EASTMAN
3 IB Stabilizers - Christ
1 LEE JARS - EASTMAN.
1 KEYSEAT WIPER - GRANT.

DRILLER: Allen Thomson

BIT RECORD

BIT NO.	23	
SIZE	6½	
MFG.	Sec	
TYPE	M88	
JETS 1 32nds	12 12 BIT	
SER. NO.	379930	
DEPTH OUT		
DEPTH IN	4972	
TOTAL FTG.		
TOTAL HRS. RUN		
COND. 1 B GAGE		
GPM PD-PSI	/	/

DRILLING ASSEMBLY (At end of tour) 5½

NO.			
	BIT Reamer	4.66	FT
1	Monel	33.59	FT
1	STB 5¾ OD	4.66	FT
1	D.C. OD	29.38	FT
1	STB 5¾ OD	4.51	FT
1	D.C. OD	29.73	FT
1	STB 5¾ OD	4.63	FT
1	D.C.	29.25	FT
1	JARS	13.63	FT
16	D.C.	462.00	FT
74	STANDS DP	2694.79	FT
	SINGLES DP	60	FT
	KELLY DOWN	31	FT
	TOTAL	3418	FT
WT. OF STRING		67M	LBS

MUD RECORD

TIME	1400	1600	1665
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV. YP	/	/	/
GELS	/	/	/
WL -CC'S	/	/	/
pH	9.0	9.0	11.0
SOLIDS %	/	/	/

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
Soda Ash 600 #

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR'LD RUN-IN 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
4972		R			42		1400	5"	47			
					50		1400	5"	40			

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

DAILY DETAILS

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Ser.
1615	2400	7¾		Reaming to bottom from 3000 ft.

DRILLER: Lantz

APPROVED | APPROVED

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

LEASE: Amoco Cannon Shell Rodd Unit — WELL NO.: A-1 — API WELL NUMBER — DATE: 3-13-72

OPERATOR: Amoco Cannon CTD — CONTRACTOR: Thomson Drilling of Canada — RIG NO.: 19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: W F Cannon — SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT. PT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-375	16
2	Nat	C-350	12

LEGAL LAND DESCRIPTION: 64-08-43N-12E-34-5-5W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	REF. TO CSG. NO.	SET AT
	5⅝	Mann	24 K55	17	735'		755
	7	Kaiser	26 K55	77	2595'		2910

WIRE LINE RECORD — REEL NO. — SIZE — NO. LINES — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT — CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL		2½	11¼
3	REAMING	7¼	5	
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE R.	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERFORATE			
	B. T&C TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDITNL			
	G.			
TOTALS		5	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W CONTR. D.P.
HRS. W DIR. D.P.
HRS. NO D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY

NO.			
	BIT	Reamer	1.66 FT
1		Monel	33.24
1	STB	5¾ OD	4.66 FT
1	D.C. ID	OD	29.41 FT
1	STB	5¾ OD	4.31 FT
1	D.C. ID	OD	29.73 FT
1	STB	5¾ OD	4.63 FT
1	DC		29.28
1	Jars		13.63
16	DC		462.00
42	STANDS DP		1394.52 FT
2	SINGLES DP		62.72 FT
	KELLY DOWN		14.00 FT
	TOTAL		4984.52 FT
WT OF STRING			LBS.

BIT RECORD

BIT NO.	24
SIZE	6-⅛
MFG.	Sec
TYPE	M-88
JETS 1 32nds	12-12-BR
SER. NO.	379930
DEPTH OUT	
DEPTH IN	4972
TOTAL FTG.	12
TOTAL HRS. RUN	2¼
COND. 1 IN. T. B. GAGE	
GPM PD PSI	/ /

MUD RECORD

TIME	0900	1000	1200
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH	11.5		11.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY

NO.			
1	BIT	Reamer	1.66 FT
1		Monel	33.59
1	STB	5¾ OD	4.66 FT
1	D.C. ID	4¼ OD	29.41 FT
1	STB	5¾ OD	4.51 FT
1	D.C. ID	4¼ OD	29.73 FT
1	STB	5¾ OD	4.63 FT
1	D.C.	4¼	29.28
1	Jars		13.63
16	DC's	1 jt	462.00
43	STANDS DP		4374.69 FT
	SINGLES DP		FT.
	KELLY DOWN		40. FT
	TOTAL		5013 FT
WT. OF STRING			260,000 LBS.

BIT RECORD

BIT NO.	24
SIZE	6⅛
MFG.	Sec
TYPE	M88
JETS 1 32nds	12-12-BR
SER. NO.	379930
DEPTH OUT	
DEPTH IN	4972
TOTAL FTG.	71
TOTAL HRS. RUN	9¾
COND. 1 IN. T. B. GAGE	
GPM PD PSI	/ /

MUD RECORD

TIME	1200	1830	1000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	29	28
PV YP	/	/	/
GELS	/	/	/
WL-CC'S	11.0	11.0	11.0
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	600#		
Caustic & Chemicals			
Tank			

DAY TOUR

FOOTAGE FROM	TO	DR'D BR'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
1972	4984				38	15	1400	5X16	45			

DEVIATION RECORD

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0900	1		REAMING
0900	0930	½		RIG SER & BOP
0930	1330	4		REAMING
1330	16:00	2½		DRLG.
				HELD BLOW OUT DRILL

DRILLER

DRLR - DRILLC
MONEL - EASTMAN
JARS
SDR - CHRISTENSEN
KEYS WIPER - GRANT

EVENING TOUR

FOOTAGE FROM	TO	DR'D BR'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
4984	5042	DR			38	15	1400	5	45			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5002	1¼°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1915	3¼		DRLG.
1915	1945	½		SURVEY
1945	2000	¼		RIG SER.
2000	0400	8		DRLG
				Held safety meeting

DRILLER

APPROVED — APPROVED

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

LEASE: AMOCO CANADA SHELL REG COG — WELL NO. A-1 — API WELL NUMBER — DATE 7-14-72

OPERATOR: AMOCO CANADA LTD. — CONTRACTOR: THOMSON DRLG. — RIG NO. 19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: W Sams — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J Smith

LEGAL LAND DESCRIPTION

D.P. SIZE	WT. PT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.5	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LAST CASING TUBING OR LINER	SIZE	NAME	WT. & GR.	NO. JOINTS	FEET	INCHS. TO CSG. HD.	SET AT
	8⅝	MANN	24 K55	17	735		750
	7	KWN	26 K55	77	2975		2910

WIRE LINE RECORD — REEL NO.: SIZE 1/16 — NO. LINES E — FT. SLIPPED C — FT. CUT OFF C — PRESENT LENGTH 5630 — TOTAL NO. OR TRIPS SINCE LAST CUT — CUMULATIVE TOTAL NO. OR TRIPS 46 Trips 1534 FM

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	HOURS	DAY	EVE
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7¼	5½	3¼
3	REAMING			
4	CORING			
5	CONDITIONING & CIRCULATE	½		
6	TRIPS	6¼	1½	4
7	LUBRICATE RIG	¼	½	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¼	½	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.		¼	
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERFORATING			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDITIONAL			
	G.			
TOTALS		8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W CONTR. D.P.
HRS. W OPR. D.P.
HRS. NO D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS STAND DAYS
CUM. POSITIVE NO. TIME HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (Bit and all Above)

NO.			
	BIT		57 FT
	STB	OD	
2	D.C. 6¾	OD	57.67 FT
1	STB	OD	4.66 FT
2	D.C. 6¾	OD	54.01 FT
	STB	OD	FT
1	JAR		13.63
16	D.C.		254.31
1	XO SUB		6.54
45	STANDS OF		4556.30 FT
	SINGLES	DP	FT
	KELLY DOWN		23.00 FT
	TOTAL		5047 FT
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	9A	25
SIZE	6⅛	6⅛
MFG.	S-S	Hw
TYPE	MFF	W7R
JETS 1 32nds	12 12 A	12 12 12
SER. NO.	379930	RF854
DEPTH OUT	5047	
DEPTH IN	4972	5047
TOTAL FTG.	75	
TOTAL HRS. RUN	10¼	
COND. 1 2 T B GAGE	1 3 I	/ /
CPN. PD. PB	/	/

MUD RECORD

TIME	0100	
WEIGHT	9.4	
PRESSURE GRADIENT	4.37	
VISC.-SEC.	28	
PV YP	/ /	/ /
GELS	/ /	/ /
WL - CC's	/	/
pH	11.0	
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DR'LD RULE 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 PART 1	PART 2
5043	5047	P			55	12	1400	5"	117				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5035	19°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2415	¼		Dig SERV — 1 IBS Stabilizer - Christensen
2415	2430	¼		Survey — 1 JACS (LEE) - EASTMAN
2430	C160	½		Drilling — 1 K-S WIPER - GRANT
C160	C130	½		C160 Bottom Hole Sample
C130	C148	3¾		1 Joint 3½ drill pipe, 1 IBS Stabilizer, 1 Bit Sub, 1 JACS
C148	C730	¾		Pick up Bottom Hole Collars Run in
C730	C730	½		Pick up 3½ pipe

DRILLER

DRILLING ASSEMBLY (Bit and all Above)

NO.			
	BIT		57 FT
	STB	OD	
2	D.C.	OD	57.87 FT
	STB	OD	4.66 FT
	D.C.	OD	59.01 FT
	STB	OD	FT
			13.63
			254.31
			6.54
	STANDS OF	DP	4598.30 FT
	SINGLES	DP	31.31 FT
	KELLY DOWN		14.00 FT
	TOTAL		5069 FT
WT. OF STRING			82,000 LBS.

BIT RECORD

BIT NO.	25	
SIZE	6⅛	
MFG.	Hw	
TYPE	W7R	
JETS 1 32nds	12 12 B	
SER. NO.	RF854	
DEPTH OUT	5069	
DEPTH IN	5047	
TOTAL FTG.	22	
TOTAL HRS. RUN	5½	
COND. 1 2 T B GAGE		
CPN. PD. PB	/	/

MUD RECORD

TIME	0100	1200
WEIGHT	9.4	9.4
PRESSURE GRADIENT	437	437
VISC.-SEC.	28	28
PV YP	/	/
GELS	/	/
WL - CC's	/	/
pH	11.0	11.0
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE

FROM	TO	DR'LD RULE 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 PART 1	PART 2
5047	5069				50	7m	1400	5X16	58				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5055	16°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		RIG SER. & BOP — 1 FUEL TANK 11900 gal.
0830	0900	½		BRK CIRC. → CLEAN 3' FILL — RESERVE TANK 1650 gal
0900	1300	4		DRLG.
1300	1330	½		SURVEY AT 5055
1330	1500	1½		DRLG.
1500	1600	1		BLOW KELLY → STRAP OUT

DRILLER

DRILLING ASSEMBLY (Bit and all Above)

NO.			
1	BIT		60 FT
1	Collar		26.46
	STB	OD	4.51 FT
6	D.C.	ID OD	173.12 FT
1	STB Jars	OD	13.63 FT
13	D.C.	ID OD	377.28 FT
	STB	OD	FT
1	XO SUB		6.84
48	STANDS OF		4474.42 FT
	SINGLES	DP	FT
	KELLY DOWN		34 FT
	TOTAL		5112 FT
WT. OF STRING			82,000 LBS.

BIT RECORD

BIT NO.	22	26
SIZE	6⅛	6⅛
MFG.	HW	SEC
TYPE	W7R	M88
JETS 1 32nds	12 12 12 12 12 B	
SER. NO.	RF854	572908
DEPTH OUT	5069	
DEPTH IN	5047	5069
TOTAL FTG.	22	43
TOTAL HRS. RUN	5½	34
COND. 1 2 T B GAGE	2 5 2	
CPN. PD. PB	/	/

MUD RECORD

TIME	1900	1000
WEIGHT	9.4	8.4
PRESSURE GRADIENT	437	437
VISC.-SEC.	29	25
PV YP	/ /	/ /
GELS	/ /	/ /
WL - CC's		
pH	10.0	10.0
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	150 sx		

EVENING TOUR

FOOTAGE

FROM	TO	DR'LD RULE 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 PART 1	PART 2
5069	5112	D			50	25	1400	5	42				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5026	15½°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	¼		Rig Ser.
1615	2015	4		Trip Sharp pipe clean to bottom
2015	2130	1¼		DRLG
2130	2200	½		Survey.
2200	2400	2		DRLG

Sharp Sub M 5092.64 Board 5096.35 No core Lit.

No cutting coming over shaker.

DRILLER

APPROVED — APPROVED

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

LEASE: AMOCO CANADA SHELL REDLEG | WELL NO.: A-1 | API WELL NUMBER | DATE: 3/15/72

OPERATOR: AMOCO CANADA LTD. | CONTRACTOR: THOMSON DRLG. | RIG NO.: 19

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Hann | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J. Smith

D.P. SIZE	WT. PT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO
3½	13.3	E	4⅝	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D500	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	PREV. TO CSG. NO.	SET AT
8⅝	MANN	24 KS	17	750	735
7	KNN	26 KS	77	2910	2995

WIRE LINE RECORD — REEL NO.: SIZE 1/16 | NO. LINES 6 | FT. SLIPPED | FT. CUT OFF | PRESENT LENGTH 4630 | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI OR TRIPS 47 Trips 1666 TM

TIME DISTRIBUTION - HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	2½	5½	4¼
3	REAMING		1/2	
4	CORING			
5	CONDITION MUD & CIRCULATE	¾		
6	TRIPS	4	1	¼
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	SLIP OFF DRILLING LINE			
10	DEVIATION SURVEY	½	¾	1
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			¼
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERFORTN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDITN'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. @ CONTR. D.P.
HRS. @ OPR. D.P.
HRS. NO D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (Left end of tool)

NO.			
	BIT		57 FT.
	NEW AIR JK		4.66
	STB Gauge OD		FT.
1	D.C. ID	OD	29.41 FT.
1	STB Gauge	OD	4.51 FT.
1	D.C. ID	OD	29.73 FT.
	STB Gauge	OD	4.66 FT.
1	D.C.		29.28
1	STB.		4.63
3	D.C. Singles		94.62
13	Drill Collars	OD	405.34 FT.
49	STANDS DP		4477.14 FT.
	SINGLES DP		31.10 FT.
	KELLY DOWN		30.00 FT.
	TOTAL		5150.70 FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	26
SIZE	6¾
MFG.	SEC
TYPE	M88
JETS 1 32nds	12 12 12
SER. NO.	372908
DEPTH OUT	5140
DEPTH IN	5069
TOTAL FTG.	61
TOTAL HRS. RUN	5¾
COND. 1 F. T. B. GAGE	
GPM PD PSI	

MUD RECORD

TIME	2400	0200
WEIGHT	9.4	9.4
PRESSURE GRADIENT	437	437
VISC. - SEC.	23	23
PV YP	/	/
GELS	/	/
WL - CC's		
pH		
SOLIDS %	11.5	11.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (Left end of tool)

NO.			
1	BIT		57 FT.
1	N Gk Re		4.66
1	Collar OD		29.41 FT.
1	STB OD		4.51 FT.
1	DC 496		29.73 FT.
1	STB OD		4.66 FT.
1	D.C OD		29.28 FT.
1	STB		4.63
3	D.C		94.62
1	Singles		3.63
13	D.C		383.58
49	STANDS DP		4573.39 FT.
1	SINGLES DP		31.10 FT.
	KELLY DOWN		30.00 FT.
	TOTAL		5217 FT.
WT. OF STRING			90,000 LBS.

BIT RECORD

BIT NO.	26 Re Run
SIZE	6⅛
MFG.	Sec
TYPE	M88
JETS 1 32nds	12 12 12
SER. NO.	372908
DEPTH OUT	
DEPTH IN	5069
TOTAL FTG.	148
TOTAL HRS. RUN	11¾
COND. 1 F. T. B. GAGE	
GPM PD PSI	

MUD RECORD

TIME	1000	1200	1300
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT	437	437	437
VISC. - SEC.	28	28	28
PV YP	/	/	/
GELS	/	/	/
WL - CC's			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (Left end of tool)

NO.			
	BIT		57 FT.
1	N 57 Re		4.66
1	Gauge OD		29.41 FT.
1	10 3/16 OD		4.51 FT.
1	338 Rec OD		29.73 FT.
1	STB OD		4.66 FT.
1	D.C OD		29.28 FT.
1	STB		4.63
3	D.C		94.62
13	D.C		405.34
50	STANDS DP		4635.73 FT.
	SINGLES DP		FT.
	KELLY DOWN		39.23 FT.
	TOTAL		5290. FT.
WT. OF STRING			90,000 LBS.

BIT RECORD

BIT NO.	26 RR
SIZE	6¾
MFG.	Sec
TYPE	M88
JETS 1 32nds	12 12 B
SER. NO.	372908
DEPTH OUT	5290
DEPTH IN	5069
TOTAL FTG.	221
TOTAL HRS. RUN	15¾
COND. 1 F. T. B. GAGE	
GPM PD PSI	

MUD RECORD

TIME	1300	1300	1300
WEIGHT	9.4	9.4	
PRESSURE GRADIENT	437	437	
VISC. - SEC.	29	29	
PV YP	/	/	/
GELS	/	/	/
WL - CC's			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DRLD BY DRLR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM	METHOD RUN
5117	5150	D			50	25	1400	5 X 8	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION
5909	15°		5146	14 3/4°				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0030	½		DRLG 16° #1 — 11 200 #
0030	0100	½		CIRC + WORK PIPE. 23 Revs — TG 4 Units
0100	0130	½		Survey @ RIG SER (6) 39' total Fuel
0130	0330	2		DRLG
0330	0400	½		Circ Sample & work pipe ¼, SHELEY ¼
0400	0630	2½		Trip out lay down SBK Tools, JARS
0630	0800	1½		Make up stiff SBK ASSEMBLY AND RUN IN W bit #26

DRILLER: Art

FOOTAGE / FORMATION

FROM	TO	DRLD BY DRLR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM	METHOD RUN
5130	5166	D			40	20	1400	5	42			S
5166	5217	D			50	22	1400	5	42			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION
5167	15 1/6							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	½		Rig Ser. Hr BOPs 7 Hrs
0830	0930	1		Change top Single and pipe in hole
0930	1000	½		Clean to bottom
1000	1330	3½		DRLG
1330	1415	¾		Survey
1415	1600	1¾		DRLG

DRILLER: Art

FOOTAGE / FORMATION

FROM	TO	DRLD BY DRLR CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM	METHOD RUN
5217	5290	D			50	22	1400	5	42			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION
5214	15°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½		Drilling
1630	1645	¼		Rig Service
1645	1715	½		Survey
1715	2330	4¼		Drilling
2330	2400	½		Survey, Wash Line Broke
2400	2400	2		Blow Lines & Hose

DRILLER: Art

Form 515

APPROVED — APPROVED

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

LEASE: Amoco CANDEX SHELL REDFOG A-1 | WELL NO.
API WELL NUMBER | DATE: 3/16/71
OPERATOR: Amoco CANADA LTD. | CONTRACTOR: THOMSON DRLG. | RIG NO.: 19
SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT. PT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D300	16
2	NATIONAL	C250	15

LEGAL LAND DESCRIPTION

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	REEL TO CSG. NO.	SET AT
9⅝	MANN	24 K55	17	235		750
7	KAWASAKI	26 K55	72	2985		2910

WIRE LINE RECORD — REEL NO.
SIZE 1⅝ | NO. LINES 5 | FT. SLIPPED 30
FT. CUT OFF 30 | PRESENT LENGTH 4600
TOUR NO. OR TRIPS SINCE LAST CUT 36
CUMULATIVE TOUR NO. OR TRIPS 1696

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN	DAY	EVE
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL		23½	24
3	REAMING			
4	CORING			
5	CONDITIONING & CIRCULATE			½
6	TRIPS	3		4½
7	LUBRICATE RIG	½		½
8	REPAIR RIG	1½		
9	CUT OFF DRILLING LINE	1		
10	DEVIATION SURVEY		1	½
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.	½		1½
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	CHANGE OVER	½		
22	STRAP COLLARS	2		
23				
COMPLETION	A. PERFORATE			
	B. TRC TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDITIONAL			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)
HRS. W CONTR. D.P.
HRS. W OPR. D.P.
HRS. NO D.P.
HRS. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY

NO.			
	NEW BIT #2	4.66	FT
1	MONEL	33.59	
	STB		
	DC OD	451	FT
1	DC ID	27.42	FT
1	STB		
	DC OD	4.66	FT
1	DC ID	29.76	FT
1	STB		
	DC OD	4.63	FT
2	DC	58.12	
	JARS	13.63	
15	DC	433.07	
	SUB KS-MAVER	6.84	FT
50	STANDS DP	4659.73	FT
	KELLY DOWN	7.59	FT
	TOTAL	5290.78	FT
WT. OF STRING			LBS

BIT RECORD

BIT NO.	#26 RR	#27
SIZE	6½	6⅛
MFG.	SEC	SEC
TYPE	M-88	S-88
JETS 1 32nds	12 12 12	12 12 12
SER. NO.	372908	374475
DEPTH OUT	5290	
DEPTH IN	5049	5290
TOTAL FTG.	221	—
TOTAL HRS. RUN	15¾	Trip in
COND. I. F. & T. B. GAGE	1 4 I	/ / /
GPM PD-PSI	/ /	/ / /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DR'D BY BIT OR 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
5290	5290	D										

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1201	0100	1		trip out with broken wireline. 23' - recovered
0100	0210	1		Slip and cut line 1410 - #1
0210	0330	1½		Change packing in mud pump #2 RIGSER 4 3710 total
0330	0400	½		Change oil #2 & #4 motors
0400	0600	2		Strap individual drill collars and make up shift assembly
0600	0700			Finish in and trip to bottom.
				Circulate

DRILLER: [illegible]

DRILLING ASSEMBLY

NO.			
1	BIT Reamer	1.66	FT
1	Monel	33.59	
1	STB		
	DC OD	4.51	FT
1	DC ID	29.42	FT
1	STB		
	DC OD	4.66	FT
1	DC ID	29.76	FT
1	STB		
	DC OD	4.63	FT
2	D.C.	58.12	
1	Jars	13.63	
15	D.C.	433.07	
50	STANDS DP	4659.73	FT
1	SINGLES DP	24.18	FT
	KELLY DOWN	30.	FT
	TOTAL	5345	FT
WT. OF STRING		55,000	LBS

BIT RECORD

BIT NO.	27
SIZE	6⅛
MFG.	SEC
TYPE	S-88
JETS 1 32nds	12 12 12
SER. NO.	374475
DEPTH OUT	
DEPTH IN	5290
TOTAL FTG.	55
TOTAL HRS. RUN	6¾
COND. I. F. & T. B. GAGE	
GPM PD-PSI	/ /

MUD RECORD

TIME	0700	1000	2400
WEIGHT	8.4	9.4	9.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV/YP	/	/	/
GELS	/	/	/
WL-CC'S	7.0	7.0	7.0
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE

FROM	TO	DR'D BY BIT OR 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
5290	5324	D			48	20	1450	5	46			
5324	5345	D			48	12-15	1400	5	44			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5325	11°	N-35E	5334	17-¼	N39°E			

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	0815	1¼		Check B.O.P's
0815	0845	½		Sngl shot directional survey Rig Serv.
0845	1130	2¾		Drlg
1130	1200	½		Sngle shot survey & pick up Stab etc
1200	1400	4		Drlg

DRILLER: [illegible]

DRILLING ASSEMBLY

NO.			
27	BIT	.57	FT
1	STB	29.46	
1	DC OD	4.66	FT
19	DC ID	550.31	FT
	STB		
	DC OD		FT
	DC ID		FT
	STB		
	DC OD		FT
1	KS-SR	6.84	FT
50	STANDS DP	4659.73	FT
2	SINGLES DP	62.33	FT
	KELLY DOWN		FT
	TOTAL		FT
WT. OF STRING			LBS

BIT RECORD

BIT NO.	27
SIZE	6¼
MFG.	SEC
TYPE	S-88
JETS 1 32nds	12 12 12
SER. NO.	374475
DEPTH OUT	
DEPTH IN	5290
TOTAL FTG.	71
TOTAL HRS. RUN	9¼
COND. I. F. & T. B. GAGE	9 4 G
GPM PD-PSI	/ /

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	/ / /
GELS	/ / /
WL-CC'S	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE

FROM	TO	DR'D BY BIT OR 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
5345	5361	C			48	14	1400	5	42			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5345	15¼	N 25°E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
11..	1745	13¼		D...
1745	1815	¼		Rig Service
1815	1830	½		Directional Survey
1830	1915	¾		Drill
1915	1945	½		Core for Condition hole
1945	2230	2¾		Rig up gauge all STB Lay down some lay down mon... Check Blind rams Pick up Bit hole collar & run in
2230	2400	1½		

PLAIN OIL — JACO — CEMENT SERVICING

			(CALIPER)
SGR	@ 214		6 3/32 (USED LAST TIME)
"	@ 225		6 1/16 "
"	@ 229		6 5/32 " RUN THIS ONE
46	KMA		6 7/8
KS	WFR	—	EXTEND REAMED

DRILLER: [illegible]

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

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

APPROVED APPROVED

LEASE: Finger Creek Shell Rel Cig — WELL NO.: F-1 — API WELL NUMBER — DATE: 3/17/72

OPERATOR: Finger Creek LTD — CONTRACTOR: Thomson DRLG. — RIG NO.: 1

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D Bamis — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J Lovell

D.P. SIZE	WT. PT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
3½	13.3	E	4¾	3½ IF	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Ellis	C500	16
2	Pittsburgh	C225	15

LEGAL LAND DESCRIPTION

	SIZE	NAME	WT. & GR.	NO. JOINTS	FEET	DEPTH TO CSG. SHOE	SET AT
LAST CASING, TUBING OR LINER	5½	Mann	24 K55	17	750		735
	7	Kaiser	20	25	750		735

WIRE LINE RECORD — SHEET NO.

SIZE	NO. LINES	PT. SLIPPED
1/4	5	

FT. CUT OFF: 6 — PRESENT LENGTH: 46

TON MI. OR TRIPS SINCE LAST CUT: 111

CUMULATIVE TON MI. OR TRIPS: 171

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MIDN.	DAY	EVE
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5	13½	6½
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	1¼		
7	LUBRICATE RIG	¼	¼	¼
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	1¼	1	1¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			5
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'G TIH			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDITIONAL			
	G.			
TOTALS		18	6	

DAILY WORK PLANS (OFFICE USE ONLY)

HRS. IN CONTR. D.P.

HRS. IN DRL. D.P.

HRS. IN D.P.

HRS. STANDBY

TOTAL DAY WORK

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (for end of hour)

NO.			
	BIT		.57 FT.
	STB	OD	FT.
1	D.C.	OD 8	28.46 FT.
	D.C.	OD	4.51 FT.
19	D.C.	OD 4¾	550.42 FT.
	STB	OD	FT.
1	KELLY SUB		6.84
53	STANDS DP		4753.46 FT.
	SINGLES DP		62.23 FT.
	KELLY DOWN		23.51 FT.
	TOTAL		5490.00 FT.

WT. OF STRING: LBS.

BIT RECORD

BIT NO.	27RR
SIZE	6¾
MFG.	SEC
TYPE	S88
JETS 1/32"	12 12 12
SER. NO.	374475
DEPTH OUT	5420
DEPTH IN	5280
TOTAL FTG.	140
TOTAL HRS. RUN	14¼
COND. 1 F's T B GAGE	
GRAD. FOR IN	

MUD RECORD

TIME	0400	0440	0630
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	29	29	29
PV YP	/	/	/
GELS	/	/	/
WL -CC's			
pH	11.0		11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DRL'D DRL'G CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000's	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN PUMP NO.
5361	5430	D			50	25	1400	5½	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5375	18¾	NO MEAS. DIRECTION	5406	17¾	NO DIRECTIONS			

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0015	¼		RIG SER
0015	0145	1½		FINISH TIH with double bend assembly.
0145	0345	2		CIRC
0345	0430	¾		SURVEY @ 5375
0430	0630	2		DRLG
0630	0700	½		SURVEY @ 5406
0700	0800	1		DRLG

DRILLER

MORNING TOUR

DRILLING ASSEMBLY (for end of hour)

NO.			
1	BIT		.57 FT.
	STB	OD	FT.
1	D.C.	OD 4¼/8	28.46 FT.
	STB	OD	4.51 FT.
19	D.C.	OD 4¾/8	550.42 FT.
	STB	OD	FT.
1	Kelly Sub		6.84
52	STANDS DP		4847.04 FT.
2	SINGLES DP		62.53 FT.
	KELLY DOWN		10 FT.
	TOTAL		5515 FT.

WT. OF STRING: LBS.

BIT RECORD

BIT NO.	27RR
SIZE	6¾
MFG.	SEC
TYPE	S88
JETS 1/32"	12 12 12
SER. NO.	374475
DEPTH OUT	
DEPTH IN	5290
TOTAL FTG.	225
TOTAL HRS. RUN	21
COND. 1 F's T B GAGE	
GRAD. FOR IN	

MUD RECORD

TIME	0800	1100	2000
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.	28	28	28
PV YP	/	/	/
GELS	/	/	/
WL -CC's			
pH	7.0	7.0	7.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DRL'D DRL'G CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000's	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN PUMP NO.
5430	5447	D			20	25	1400	5	47			
5447	5515	D			50	22	1400	5	47			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5447	19°	SEE	5468	19°				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	0530	½		DRLG 25 M ft
0530	0545	¼		Rig Serv. & BOPs
0545	0915	3½		Survey
0915	1145	2½		DRLG 22 M ft
1145	1215	½		Survey
1215	1600	3¾		DRLG 22 M ft

DRILLER

DAY TOUR

DRILLING ASSEMBLY (for end of hour)

NO.			
1	BIT		.57 FT.
	STB	OD	FT.
1	D.C.	OD 9¾	29.46 FT.
	STB	OD	4.51 FT.
19	D.C.	OD	550.42 FT.
	STB	OD	FT.
1	Kelly Sub		6.84
53	STANDS DP		4940.79 FT.
1	SINGLES DP		30.17 FT.
	KELLY DOWN		15.24 FT.
	TOTAL		5597 FT.

WT. OF STRING: LBS.

BIT RECORD

BIT NO.	27 RR
SIZE	6¾
MFG.	SEC
TYPE	S88
JETS 1/32"	12 12 12
SER. NO.	374475
DEPTH OUT	
DEPTH IN	5290
TOTAL FTG.	297
TOTAL HRS. RUN	27½
COND. 1 F's T B GAGE	
GRAD. FOR IN	

MUD RECORD

TIME	1600	2100	2360
WEIGHT	8.4	8.4	8.4
PRESSURE GRADIENT	437	437	437
VISC.-SEC.			
PV YP	/	/	/
GELS	/	/	/
WL -CC's			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DRL'D DRL'G CORE'D	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000's	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN PUMP NO.
5515	5541		0		50	22	1400	5	47			5
5541	5572		0		50	20	1400	"	"			
5572	5577		0		50	18	1400	"	"			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5530	15¾		5562	15¾				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1520	2½		Drilling 22 000 ft on Bit
1520	1545	½		Rig Service
1545	1715	½		Trimmy
1715	2215	3		Drilling 20 000 on Bit
2215	2300	¾		Trimmy
2300	2400	1		Drilling 15 000 on Bit

DRILLER