Drilling Authority No. 552

Date Issued 2-11-71

WELL NAME Aquit Mobil Am Hess Dodo Canyon K-03

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

LOCATION: Unit K Section 03 Grid 65-10 - 126-45

Latitude 65.02.33.36 Longitude 126.46.13.96

U.W.L.R. 65.042600 126.770544

U.W.I. 300K038510126450

Rig Release Date: .....

Status .....

Information Release Date ....

CHANGE OF NAME:

DATE RECEIVED	INDEX
26-10-71	Application for a Drilling Authority.
27-04-72	Well Completion Data.
07-09-72	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
02-02-72	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No. .....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells – Vitter's Method.
	M.P.R. – Oil – Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
05-12-71	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

REVISED

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

OIL & MINERAL DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 552
N° de l'autorisation de forage

Date Issued Nov. 2[illegible], 1971
Date de délivrance

(5)

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*
Aquit Mobil Am Hess Dodo Canyon K-03	4943	Nil

(Permittee) — *(Titulaire de permis)*	Exploratory Licence No. — *N° de licence de sondage*
Aquitaine Company of Canada Ltd. 90% Banff Oil (1970) Ltd. 10%	1982
(Operator) — *(Exécutant)*	Exploratory Licence No. — *N° de licence de sondage*
Aquitaine Company of Canada Ltd.	1982

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
K	03	65°10' 126°45'	65°02'33.36"N	126°46'13.96"W

Unique Well Identifier — *Code d'ordinateur*	Universal Well Location Reference — *Références universelles d'emplacement du puits*	
300K036010126450	65.042600° N	126.770544° W

	Date	Depth — *Profondeur*
Spudded *Début des travaux*	Nov. 28/71	0'
Suspended *Suspension des travaux*	Jan. 20/72	9,010'
Resumed Operations *Reprise des travaux*	N/A	
Finished Drilling *Forage terminé*	Jan. 13/72	9,010'
Deepened *Approfondissement*	N/A	
Complete (Gas/Oil) *Achèvement (Gaz/Pétrole)*	N/A	
Abandoned *Abandon*	Jan. 20/72	9,010'
Rig Released *Fin des travaux*	Jan. 20/72	9,010'

Pool(s) *Gisement(s)*: N/A

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

Elevation: Gr. *Altitude du sol* 995' K.B. *du carré d'entraînement* 1,012'

Rig No. *N° de la tour de forage* 7

Drilling Contractor *Entrepreneur en forage* Petrolia Drilling Division of Kentin Ltd.

Contractor's Business Licence No. *N° du permis de l'entrepreneur* 0165

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.	13-3/8"	K-55	54.5#	62'	79'	120 Permafrost + 15 Oilwell
2.	9-5/8"	K-55	36#	991'	1,008'	550 Oilwell + 2% CaCl
3.						
4.						
5.						
6.						

Geological Tops *Sommet des formations*	Elevation — *Profondeur* Depths *Sous le niveau du sol*	Sub-Sea *Sous le niveau de la mer*
Imperial	2,977'	-1,963'
Canol	5,192'	-4,178'
Hare Indian	5,665' ?	-4,651'
Hume	5,805'	-4,791'
Middle Argillaceous Member	6,005'	-4,991'
Bear Rock Dolomite	6,256'	-5,242'
Bear Rock Anhydrite	6,352'	-5,338'
Mount Kindle	7,514'	-6,500'
Ronning	7,629'	-6,615'
Saline River	8,966'	-7,952'
Total Depth	9,010'	-7,996'

Core Record — *Carottes*

From — *de*	To — *à*	Rec. *Récupérées*	From — *de*	To — *à*	Rec. *Récup.*
5,857'	5,888'	30.0'			
6,312'	6,326'	15.0'			
7,710'	7,730'	20.0'			
8,069'	8,100'	25.4'			
8,535'	8,546'	10.6'			
8,862'	8,872'	10.0'			

Log Record — *Diagrammes*

Run *Série*	Type of Log *Genre de diagramme*	From — *De*	To — *À*
1	Formation Density Log	8,979'	2,500'
1	Continuous Dipmeter	8,979'	1,010'
1	Borehole Compensated Sonic Log	8,983'	1,008'
1	Dual Induction - Laterolog	8,977'	1,008'
1	Sidewall Neutron Porosity	8,978'	5,700'

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR 27 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

82-30-2 (7-71)

REVISED

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

Date	From – *de*	To – *à*	Remarks – *Remarques*
Jan. 18/72	8,750'	9,010'	Plug No. 1; No feel
Jan. 18/72	7,250'	7,650'	Plug No. 2; Felt @ 7130'
Jan. 18/72	5,750'	6,350'	Plug No. 3; Felt @ 5360'
Jan. 19/72	2,825'	3,050'	Plug No. 4; Felt @ 2741'
Jan. 19/72	950'	1,060'	Plug No. 5; Felt @ 897'

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

Date	From – *de*	To – *à*	Remarks – *Remarques*
			N/A

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

Date	From – *de*	To – *à*	Remarks – *Remarques*
			N/A

DRILL STEM TESTS – *ESSAIS AUX TIGES*

No. – *N°*	Date	Formation	From – *de*	To – *à*	V.O. Mins. *Vanne ouverte (minutes)*	I.S.I. Mins. *Première obturation (minutes)*	F.S.I. Mins. *Obturation définitive (minutes)*	I.S.I.B.H.P. *Pression de fond à la 1re obturation*	F.S.I.B.H.P. *Pression de fond à l'obturation définitive*	I.F.B.H.P. *Pression de fond au jaillissement*	F.F.B.H.P. *Pression de fond à l'écoulement définitif*	L.H.P. *Pression hydrostatique de début*	F.H.P. *Pression hydrostatique définitif*	Remarks – *Remarques*
1	Jan. 17/72	Bear Rock	7,320'	7,600'	92	60	60	3179	2682	163.	832	3711	3839	Recovered 400' drilling mud 490' muddy salt water and 730' salt water.

ANALYSIS – *ANALYSE*

Lab. No. *N° de laboratoire*	Sample *Échantillon*	From – *de*	To – *à*	Source	Remarks – *Remarques*
921-276	Water	7,320'	7,600'	DST #1; Bear Rock Formation	

PRESENT STATUS OF WELL / *ÉTAT ACTUEL DU PUITS*

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

Company *Société* Aquitaine Company of Canada Ltd.

Signed by *Signé par* D. M. Bogert

Title *Titre* Drilling Superintendent

Date April 25, 1972

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

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

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

OIL & MINERAL DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 552
N° de l'autorisation de forage
Date Issued Nov. 21, 1971
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*: Aquit Mobil Am Hess Dodo Canyon K-03
Permit No. — *N° de permis*: 4943
Lease No. — *N° de concession*: Nil

(Permittee, Licensee, Lessee) — *(Détenteur de permis ou de licence, du concessionnaire)*: Aquitaine Company of Canada Ltd. 90%; Banff Oil (1970) Ltd. 10%
Exploratory Licence No. — *N° de licence de sondage*: 1982

(Operator) — *(Exécutant)*: Aquitaine Company of Canada Ltd.
Exploratory Licence No. — *N° de licence de sondage*: 1982

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
K	03	65°10' 126°45'	65°02'33.36"N	126°46'13.96"W

Unique Well Identifier — *Code d'ordinateur*: 300K036010126450

Universal Well Location Reference — *Références universelles d'emplacement du puits*: 65.042600° N 126.770544° W

	Date	Depth — *Profoneur*
Spudded *Début des travaux*	Nov. 29/71	0'
Suspended *Suspension des travaux*	Jan. 20/72	9,010'
Resumed Operations *Reprise des travaux*	N/A	
Finished Drilling *Forage terminé*	Jan. 12/72	9,010'
Deepened *Approfondissement*	N/A	
Complete (Gas/Oil) *Achèvement (Gaz/Pétrole)*	N/A	
Abandoned *Abandon*	Jan. 20/72	9,010'
Rig Released *Fin des travaux*	Jan. 20/72	9,010'

Pool(s) *Gisement(s)*: N/A
Interval(s) Open to Production *Intervalle(s) de production*: N/A

Elevation: Gr. *Altitude du sol*: 997' K.B. *du carré d'entraînement*: 1,014'
Rig No. *N° de la tour de forage*: 7
Drilling Contractor *Entrepreneur en forage*: Petrolia Drilling Division of Kenting Ltd.
Contractor's Business Licence No. *N° du permis de l'entrepreneur*: 0165

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.	13-3/8"	K-55	54#	62'	79'	120 Permafrost + 15
2.	9-5/8"	K-55	36#	991'	1,008'	Oilwell 550 Oilwell + 2% $CaCl_2$
4.						
5.						
6.						

Geological Tops *Sommet des formations*	Elevation — *Profondeur* Depths *Sous le niveau du sol*	Sub-Sea *Sous le niveau de la mer*
Imperial	2,977'	-1,963'
Canol	5,192'	-4,178'
Hare Indian	5,665'?	-4,651'
Hume	5,805'	-4,791'
Middle Argillaceous Member	6,005'	-4,991'
Bear Rock Dolomite	6,256'	-5,242'
Bear Rock Anhydrite	6,352'	-5,338'
Mount Kindle	7,514'	-6,500'
Ronning	7,629'	-6,615'
Saline River	8,966'	-7,952'
Total Depth	9,010'	-7,996'

Core Record — *Carottes*

From — *de*	To — *à*	Rec. *Récupérées*	From — *de*	To — *à*	Rec. *Récup.*
5,857'	5,888'	30.0'			
6,312'	6,326'	15.0'			
7,710'	7,730'	20.0'			
8,069'	8,100'	25.4'			
8,535'	8,546'	10.6'			
8,862'	8,872'	10.0'			

Log Record — *Diagrammes*

Run *Série*	Type of Log *Genre de diagramme*	From — *De*	To — *À*
1	Formation Density Log	8,979'	2,500'
1	Continuous Dipmeter	8,979'	1,010'
1	Borehole Compensated Sonic Log	8,983'	1,008'
1	Dual Induction - Laterolog	8,977'	1,008'
1	Sidewall Neutron Porosity	8,978'	5,700'

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR 27 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

52-90-2 (7-71)

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

Date	From — *de*	To — *à*	Remarks — *Remarques*
Jan. 18/72	8,750'	9,010'	Plug No. 1; No feel
Jan. 18/72	7,250'	7,650'	Plug No. 2; Felt @ 7130'
Jan. 18/72	5,750'	6,350'	Plug No. 3; Felt @ 5360'
Jan. 19/72	2,825'	3,050'	Plug No. 4; Felt @ 2741'
Jan. 19/72	950'	1,060'	Plug No. 5; Felt @ 897'

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

Date	From — *de*	To — *à*	Remarks — *Remarques*
			N/A

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

Date	From — *de*	To — *à*	Remarks — *Remarques*
			N/A

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...B.H.P. *Pression de fond à l'obturation définitive*	I.F.B.H.P. *Pression de fond au jaillissement*	F.F.B.H.P. *Pression de fond à l'écoulement définitif*	I.H.P. *Pression hydrostatique de début*	F.H.P. *Pression hydrostatique définitif*	Remarks — *Remarques*
1	Jan. 17/72	Bear Rock	7,320'	7,600'	92	60	60	3176	2654	232	843	3711	3696	Recovered 400' drilling mud 490' muddy salt water and 730' salt water.

ANALYSIS — *ANALYSE*

Lab. No. *N° de laboratoire*	Sample *Echantillon*	From — *de*	To — *à*	Source	Remarks — *Remarques*
921-276	Water	7,320'	7,600'	DST #1; Bear Rock Formation	

PRESENT STATUS OF WELL / *ETAT ACTUEL DU PUITS*

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

Company *Société* Aquitaine Company of Canada Ltd.

Signed by *Signé par* W. M. Bogert

Title *Titre* Drilling Superintendent

Date April 25, 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.

CANADA

Drilling Authority No. 552

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: Aquit Mobil Am Hess Dodo Canyon K-03

Location: Unit K Section 03 Grid 65° 10', 126°45'

Latitude 65°02'33.36"N Longitude 126°46'13.96"W

From Established Reference Marker

Universal Well Location Reference 65.042600°N, 126.770544°W

Permit No. 4943 Lease No. N11

Aquitaine Company of Canada Ltd. 90%
Banff Oil (1970) Ltd. 10%
(Permittee, Licensee, Lessee)

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at N/A

Gas at N/A

Water at 7,320' - 7,600' Ronning Formation

Total Depth 9,010' Date of last operations January 20, 1972

Present condition of well Abandoned

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1.	13-3/8"	54#	62'	79'	120 Permafrost + 3% $CaCl_2$	None
2.	9-5/8"	36#	991'	1008'	550 Oilwell + 2% $CaCl_2$	None
3.						
4.						
5.						

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	9010 - 8750	Ordovican-Ronning	108 + 2% Gel	
2	7650 - 7250	Ordovician & Silurian	10? + 2% Gel	
3	6350 - 5750	Middle Devonian-Hume	230 + 2% Gel	
4	3050 - 2825	Lower Cretaceous	192 + 2% $CaCl_2$	
5	1058 - 958	Surface Casing	70 + 2% $CaCl_2$	50' above & 50' below surface casing
6	3' below surface		5	

The following logs have been run DIL, FDC, BHC-SGRC, SNP, Dipmeter

Other operations proposed Nil

Operations to be carried out by Aquitaine Company of Can. Ltd. Contractor Licence No. 0165

Address 540 - 5 Ave. S.W., CALGARY, Alta. Address 700 - 6 Ave. S.W., CALGARY 1, Alta.

Responsible Agent in field G. Robertson

Dated at Calgary, Alberta, this 25th Day of January 19 72

Signed by [signature] Company Aquitaine Company of Canada Ltd.

Title [illegible] Operator's Exploratory Licence No. [illegible] 1982

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 31 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

Dated February 2, 19 72

District Conservation Engineer

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

IAND 52-90-5 (7-71)

Voir au verso

CANADA

Nº de l'autorisation de forage .....

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande d'abandon d'un puits ou de suspension du forage

Conformément au «Règlement sur les terres pétrolifères et gazifères du Canada», nous demandons l'autorisation d'abandonner le puits ci-après ou de suspendre les travaux de forage

Nom et nº du puits .....

Emplacement: Unité ..... Section ..... Étendue quadrillée .....

Latitude ..... Longitude .....

Code d'ordinateur .....

Références universelles d'emplacement du puits .....

Nº de permis ..... Nº de concession .....

.....
(Détenteur de permis ou de licence, ou concessionnaire)

Date du début d'exécution du programme projeté .....

PÉTROLE, GAZ ET EAU
(Profondeur)

Pétrole à .....

Gaz à .....

Eau à .....

Profondeur globale ..... Date des derniers travaux .....

État actuel du puits .....

.....

.....

.....

TUBAGE

Diamètre extérieur (en pouces)	Poids	Longueur	Fixation à	Sacs de ciment et d'additifs	Longueur récupérée
1.	.....	.....	.....	.....	.....
2.	.....	.....	.....	.....	.....
3.	.....	.....	.....	.....	.....
4.	.....	.....	.....	.....	.....
5.	.....	.....	.....	.....	.....

PROGRAMME D'ABANDON PROJETÉ

Bouchon		Formation géologique	Nombre de sacs de ciment	Remarques
Nº	Profondeur			
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....

Les diagrammes suivants ont été tracés: .....

Autres travaux projetés .....

.....

Les travaux seront exécutés par ..... Nº de permis de l'entrepreneur .....

Adresse ..... Adresse .....

Agent extérieur responsable .....

Fait à ..... le ..... 19 .....

Signé par ..... Société .....

Titre ..... Nº de licence de sondage de l'exécutant .....

Nota: Aviser le bureau de l'ingénieur en conservation du district avant de commencer les travaux

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

APPROBATION

Demande étudiée et programme approuvé, sous réserve des conditions suivantes:

.....

.....

.....

.....

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

Ingénieur en conservation du district

Présenter les formules en triple exemplaire à l'ingénieur en conservation du district ministère des Affaires indiennes et du Nord canadien.

IAND 52-90-5 (7-71)

See Reverse

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT D.A File No. 5552

OIL AND MINERAL DIVISION

RIG INSPECTION REPORT

TO BE COMPLETED AS REQUIRED

A. Contractor Petrolia Rig# 7 Toolpusher D. Barker E. Black

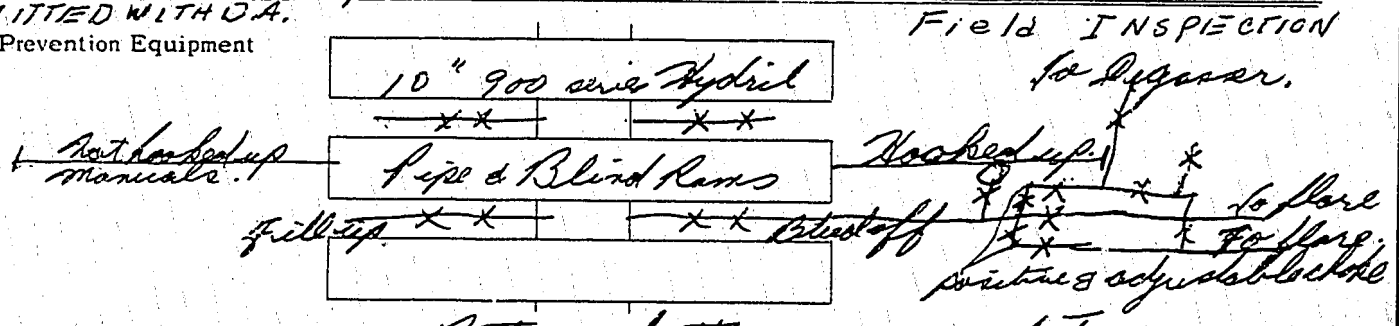
Well Name Aquit Mobile Am Hess Dodo Canyon K-03 Date and Time of Inspection Dec 8 @ 11:30 a.m.

Operation in Progress Tripping for a bit Depth 5709 Projected Total Depth

B. Blowout Prevention Equipment

SUBMITTED WITH D.A.

Field INSPECTION



Description and Location of pressure source Nitrogen bottles, accumulator

Location of BOP controls Rig floor and accumulator.

What kind of test was witnessed? Mechanical ✓ Pressure ____ Describe test Satisfactory

Satisfactory	Unsatisfactory		
C.	✓	1. Is drilling authority posted?	Drilling Authority
✓		2. Was drilling authority issued before well spudded?	
✓		3. Does BOP equipment appear to be properly connected? 1 manual to be hooked up.	BLOWOUT PREVENTION EQUIPMENT
✓		4. Are BOPs tested daily?	
✓		5. Was equipment adequately pressure tested before drilling out casing shoe?	
✓		6. Did it appear all of crew knew how to operate equipment	
✓		7. Is wellhead adequately heated for winter operation?	
✓		8. Are bleed-off lines tied down?	
✓		9. Are distance requirements for following equipment satisfactory? (a) Boiler (150')	FIRE HAZARDS
✓		(b) Open flame or electrical element heaters (75')	
✓		(c) Flare pit to wellhead (150')	
✓		(d) Oil or rubbish 75')	
✓		10. Are smoking regulation being observed?	
		11. Are tour reports satisfactory?	TOUR REPORTS
✓		12. Have required number of deviation surveys been run?	MISCELLANEOUS
✓		13. Are there any apparent hazardous conditions on the rig?	
✓		14. Does equipment conform to special H_2S area requirements? 2 gas masks	
✓		15. Is well properly located with respect to buildings, roads, etc.?	

D. Remarks and Recommendations

Item No.	(Any action required of Calgary Office must be listed here.)
Spt.	Conductor Pipe on D.A. 13 3/8" 54.5# K55 @ 60'-100' Ran to 63' w/ 120 sacks
Satisfactory	Surface Pipe P.A. 9 5/8" x 36# x K55 @ 1,000' Ran to 1027'0
	Helicopter time to rig 25 minutes return.
1.	Instructed Don Barker & E. Black Engineer plus welder that hard hats are to be worn at all times.
2.	Drilling authority to be posted in dog house except Engineers shack at all times. D.A. in engineers shack.
3.	Bare light under substructure to be
4.	Suggested to Tpush that gasmasks be attained for each member of crew. Gas masks available & satisfactory.
5.	Fire extinguisher satisfactory First aid kits satisfactory
6.	Asked T. Plush to hook up 1 manual B.O.P. Control.

Field Office Yellowknife Division Representative L. E. Blue.

Original to Oil Conservation Engineer Dept of IA & ND Calgary.
First copy to Field Office or Inspecting Engineer.

IAND 52-00-15 (6-69)

Drilling Authority No. 552
Project No. .....

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
OCT 26 1971
OIL CONSERVATION ENGINEER
CALGARY 2, ALBERTA
Arctic Territories & Yukon Territory

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 commer ·ng operations.

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

Name and number of well ....Aquit.Mobil.Am.Hess.Dodo.Canyon.K-03.....

Location: Unit .....K..... Section ....03..... Grid .65°10', .126°45'...
Latitude ..65°02'33.36"N... Longitude ..126°46'13.96"W.....
Unique Well Identifier..... 300K036010126450
Universal Well Location Reference. 65.042600°N 126.770544°W.....

Elevation: Ground ...995'.(estimated)..K.B. ..1,010'.(estimated)..... feet above sea-level.
Well is expected to produce from .....not known..... formation at a depth of about..... feet. Expected total final depth ...9,100 feet.....
Area assigned to well .....
(for District Conservation Engineer's use only)

.....

Permit No. ...4943..... Lease No.....Nil..... Acreage ...53,992 acres. ✓
✓ Permittee, licensee, or lessee Aquitaine Company of Canada Ltd. - 90%; Banff Oil (1970) Ltd. - 10%.
✓ Explanatory Licence No. ....1982.....
Surface owned by Crown or ....Crown.....
(If alienated submit name and address of owner and occupant.)

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

Ceasing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 13-3/8"	54.5#	K-55	New	60' - 100'	to surface
2. 9-5/8"	36#	K-55	New	1000'	to surface
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment. .Expected reservoirs in the Cretaceous, ...Devonian, Silurian and Ordovician to be controlled by drilling mud of adequate ....weight and Blow Out Preventers as per attached drawing.....
.....

Well will be drilled with Rotary Rig No. ...7..... by .Petrolia Drilling, Div. of Kenting Ltd.
(Drilling Contractor or company)

.....

Responsible agent of applicant:— Contractor's Business Licence No....0165.....
At well...Ernie Schack..... At registered office.....W. M. Bogert.....
Address c/o G. Loomis, Norman Wells, Address 540 - 5 Ave. S.W., Calgary, Alta...
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Calgary, this ..25..... day of ...October.....1971.
Signed by .....R.....Company .Aquitaine Company of Canada Ltd.
Title .Sr. Vice-President..... Operator's Licence No.....1982.....

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:
1. Additional casing programs must be approved by the district conservation engineer before they are run.
2. A weekly report must be submitted each Tuesday to the Yellowknife office.

Dated. Nov. 2..... 19. 71 .....
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.					

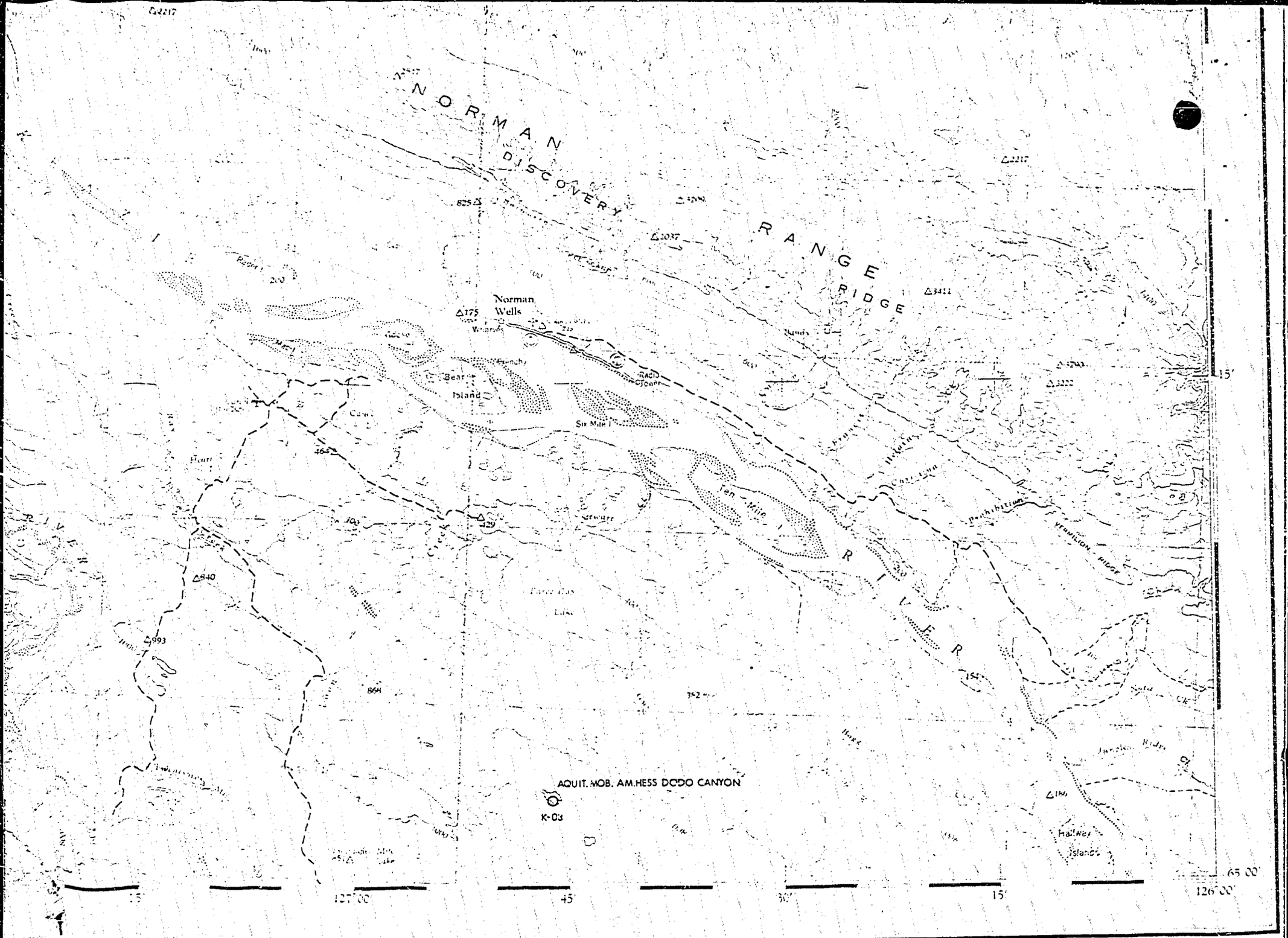
Nappes d'eau, de gaz et de pétrole prévues et genre de matériel anti-éruption. . . . . .
. . . . . .
. . . . . .
. . . . . .
Le puits sera foré à l'aide de la tour rotary nº. . . . . par . . . . . .
(Entrepreneur ou société de forage)

. . . . . .
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 . . . . . .

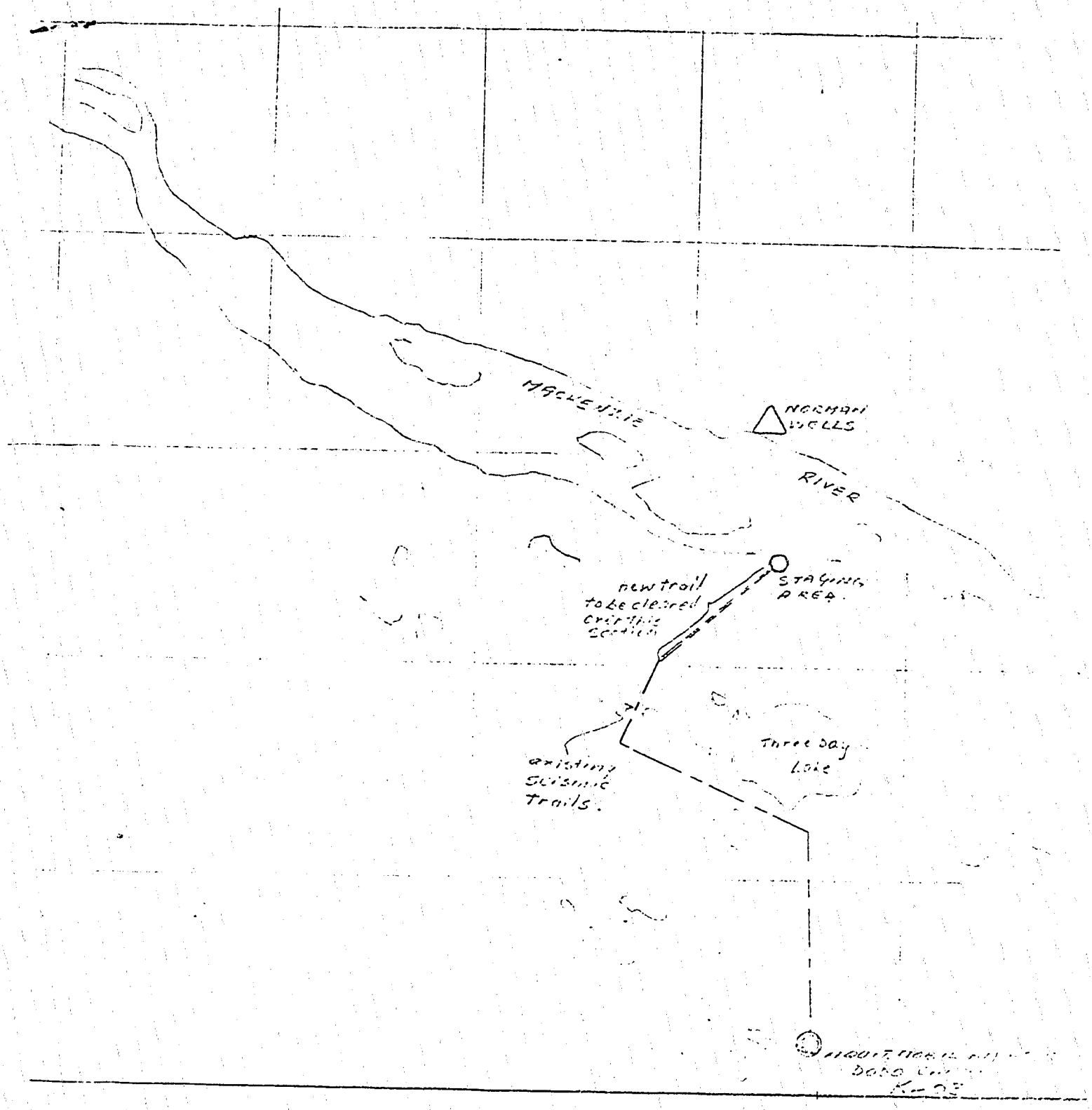
(À l'usage de la Division du pétrole et des minéraux)

APPROBATION

Demande étudiée et approuvée sous réserve des conditions suivantes:
. . . . . .
. . . . . .
. . . . . .
Date . . . . . 19. . . . . .



Établie et imprimée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE,
MINISTÈRE DES MINES ET DES RELEVÉS TECHNIQUES, en 1960, d'après les



SKETCH MAP
SHOWING THE
LOCATION, ACCESS AND STAGING AREA
FOR
AQUIT MOBIL ET AL HESS DODO CANYON K-03
65°02'33.30" N Latitude 126°46'18.96" W Longitude.
SCALE 1:250,000. TRACED FROM NATIONAL TOPOGRAPHIC
SERIES - NORMAN WELLS SHEET 96E.

OCT 27 1971

PROGRAM AND PROGNOSIS

Aquit Mobil Am Hess Dodo Canyon K-03

AFE #331

I. Location

65°02'33.36"N Latitude
126°46'13.96"W Longitude

II. Elevations

Ground: 995' (estimated)
K.B.: 1,010' (estimated G.L. to K.B. 15')

III. Geological Prognosis

Formation	Depths From K.B.	Depths Subsea	Thickness	Lithology
Upper Cretaceous				
East Fork	0'		500'	Shale with some sand
Little Bear	500'	+ 510'	700'	Shale with some sand
Slater River	1,200'	- 190'	1300'	Shale with some sand
Lower Cretaceous				
Sans Sault	2,500'	-1,490'	500'	Shale with some sand
Upper Devonian				
Imperial	3,000'	-1,990'	2000'	Shale with some sand
Canol	5,000'	-3,990'	500'	Shale
Middle Devonian				
Hare Indian	5,500'	-4,490'	500'	Shale
Hume	6,000'	-4,990'	430'	Limestone
Middle & Lower Devonian				
Bear Rock	6,430'	-5,420'	1100'	Anhydrite and some dolomite
Silurian & Upper Ordovician				
Mt. Kindle	7,530'	-6,520'	200'	Dolomite
Ordovician - Cambrian				
Ronning - cherty	7,730'	-6,719'	150'	Dolomite - cherty
- rhythmic	7,880'	-6,870'	970'	Dolomite with some shal
- cyclic	8,850'	-7,840'	150'	Dolomite with some shal
Cambrian				
Saline River	9,100'	-8,090'		Massive Salt

IV. Casing - Hole Size Program

Minimum Hole Diameter	Casing O.D.	Proposed Setting Depth	Cement Fill to	Type	Remarks
20" (AUGUR)	13-3/4" (Ins)	60' - 100'	Surface	Permafrost	
12-1/4"	9-5/8"	1000'	Surface	Permafrost & Oilwell	Bottom 200' and shoe joint to be filled w/ Oilwel
8-3/4"	7"	7000'	To be determined		Protective strin to be run only i hole conditions warrant
6-1/8"	4-1/2"	T.D.	To be determined		Dependent on protective (7") string being set

V. Mud Program

Depth From	Depth To	Type Mud	Weight	Viscosity	W.L.	Remarks
0'	1,000'	Saturated Salt Kelzan	minimal	as required	-	
1,000'	6,000'	Gel - Benex Low Solids	8.3 - 8.9	30 - 45	from 3000' - 15 cc	
6,000'	9,999'	Gel - Chemical dispersed solids	9.2 - 9.4	45 - 50	10 cc	

Mud program dependent on correspondence of lithology drilled with that prognosticated, adjustments being made in accordance with such deviation.

VI. Straight Hole Specifications

Depth From	Depth To	Maxiumum Distance Between Surveys	Maximum Deviaiton	Maximum Slope
0'	60'/100'	30'	1/2°	1° per 100'
60'/100'	1,000'	100'	2°	1° per 100'
1,000'	9,000'	500'	10°	1-1/2° per 100'

. . . 3

VII. Drilling Program

1.0 Conductor Hole

1.1 Drill 24" hole to sufficient depth to permit setting approximately 60 feet of 13-3/8" insulated casing. Circulating to clean hole should be kept to a bare minimum in order to avoid excessive washout in the Permafrost section being drilled. Run surveys in accordance with straight hole specifications indicated above.

1.2 Conductor Pipe - Run and cement 2 or 3 joints, approximately 60 to 100 feet of insulated 13-3/8" casing. Be certain that the area at collar between joints is insulated with the insulation material supplied. Amount of Permafrost cement required is approximately 160 sacks. Allow cement to set a minimum of 24 hours prior to drilling out. Re-cement from surface if good returns are not obtained on the primary cement job. Use 100% excess volume.

1.3 Weld on 13-3/8" casing bowl and install BOPs in accordance with the attached sketch.

2.0 Surface Hole

2.1 Drill 12-1/4" hole to 920 - 1000 feet. Stopping and circulating to clean hole should be minimized through the Permafrost interval in order to avoid severe washouts which can be caused by extended circulating. Annular velocities should be kept below 70 to 90 feet per minute. Make dummy trip and measure pipe to eliminate possible tally error. Take deviation survey every 100 feet. Increase survey frequency if limits defined in VI above are being approached. Maximum slope of 1° per 100' and maximum deviation of 2° are not to be exceeded.

2.2 Surface casing: 9-5/8" OD - J55 - 36# - ST&C. Run to total depth of surface hole (12-1/4"). Run 3 centralizers, one on shoe joint, third joint and fifth joint from bottom. Use "thread-lok" on first three joints. Run float collar one joint above guide shoe. Avoid long circulating period prior to cementing. Sufficient time to bring bottoms up is recommended as maximum. Cement with Permafrost cement and Oilwell cement as tail-in as indicated in IV above. The amount of cement to be used is 50% excess for gauge hole, should indications at the time of drilling warrant it, ariation to conform to existing conditions will be necessary. Use a wiper plug. Do not clear cement from lines after mixing completed. Slurry density for Permafrost cement is normally 15.9 ppg. Displace with water.

2.3 Land casing in slips and install seal assembly. Cut off casing with sufficient heighth above casing bowl to engage the secondary seal in the bottom of the 12" S900 casing head spool. Re-install BOPs in accordance with the attached sketch. Pressure test blind rams to 1000 psi for 15 minutes. Run in with drill pipe and pressure test pipe rams, hydril and choke manifold to 1000 psi for 15 minutes. Record pressure tests on tour reports. Also record corrective measures taken to repair if necessary.

3.0 Main Hole

3.1 Measure in to and record depth to top of cement, float collar and float shoe in tour reports. Drill out in 24 hours after plug is down or earlier if nippling up is completed and cement samples indicate it is feasible.

3.2 Bottom hole drilling assembly to be stabilized or "stiff" in accordance with requirements dictated while drilling.

3.3 Coring and Testing

3.31 Diamond Cores

Short diamond cores (approximately 10 feet) may be taken at the discretion of the wellsite geologist.

Possible Cores:

- one in the Hume (6,000' - 6,430')
- one in Bear Rock (6,430' - 7,530') if this formation not all anhydrite
- two in Mount Kindle (7,530' - 7,730')
- three in the Ronning (7,730' - 9,100')

3.32 Sidewall Cores

Will be taken in the Upper Devonian and Cretaceous formations at total depth. The number and levels will be at the discretion of the wellsite geologist, after logging.

3.33 Drill Stem Tests will be run at the discretion of the wellsite geologist. Porosity developments in the Cretaceous and Imperial formations should be tested on the way down if possible. The Middle Devonian and older formation may be tested after logging if preferable. A bottom hole sampler will be used to obtain fluid samples. Water samples to be taken in containers suitable for subsequent micro benzene analysis.

4.0 Intermediate Casing

The setting of intermediate casing will be dependent on conditions encountered as drilling proceeds as governed by the stability of the formations drilled.

5.0 Drilling Recorder

Use 5-pen recorder to record:

- rate of penetration
- weight suspended
- rotary r.p.m.
- pump pressure
- pump s.p.m.

Charts to be replaced punctually. Headings are to be filled out completely.

... 5

Notations of depth of sample points, connections and trips are to be made directly on the charts. Other abnormalities such as, kicks and tight spots or bridges should be noted directly on charts as well.

6.0 Blowout Prevention

6.1 All crews are to practice blowout prevention drill three (3) times per week.

6.2 All instumentation for detecting abnormal pressure-volume relationships are to be verified as to working condition, each tour, e.g. pit volume totalizer, flow sensor, and drilling recorder. Repairs of these instruments should be effected immediately.

6.3 Pump pressure at reduced rates will be recorded each tour in the tour sheets, e.g. pressures (stand pipe) at 30, 40, 50 s.p.m. of pump on hole.

6.4 Mud system volumes should be calculated daily to account for fluctuations

6.5 All crew members should be knowledgable in the detection and prevention of blowout conditions.

6.6 500 sacks barite should be stored for rapid incorporation into the mud system. Access to remaining barite should be arranged to ensure minimum delay in case of emergency.

7.0 Samples - Cuttings

7.1 Bagged samples are to be caught as follows:

7.11 One set unwashed for Aquitaine
0' - T.D. (10 foot intervals.)

7.12 One set washed for Department of Indian Affairs & Northern Development
0' - T.D. (10 foot intervals.) To be tied in 100 foot intervals for shipment

7.2 Bottled or in vials, washed

7.21 One set for Aquitaine
0' - T.D. (10 foot intervals)

7.22 One set for Mobil
0' - T.D. (10 foot intervals)

7.23 One set for Amerada Hess
0' - T.D. (10 foot intervals)

7.3 It will be the responsibility of the wellsite geologist to assure the arrival of cuttings, samples and cores at Aquitaine's Calgary office or destination designated by Aquitaine.

7.4 Cuttings analysis and gas detection equipment will be installed at the wellsite.

8.0 Logging

DIL, FDC, BHC-SGR and SNP and Dipmeter will be run. A detailed logging program will be provided prior to logging. A velocity survey will be run.

9.0 Reservoir Fluid Samples - Cores

All core, gas, water, and oil samples are to be submitted for analysis. Expedite the reception of these to appropriate laboratories to assure minimum delay between sampling and analysis.

10.0 Service Companies

Cementing: Halliburton Services Limited
Mud: Western Mud (Product sales only)
Coring: DyDrill Ltd.
Testing: Lynes (Norman Wells)
Core Analysis: To be determined
Fluid and Gas Analysis: To be determined
Logging: Schlumberger

Conservation Board: Department of Indian Affairs & Northern Development
Yellowknife, N.W.T.

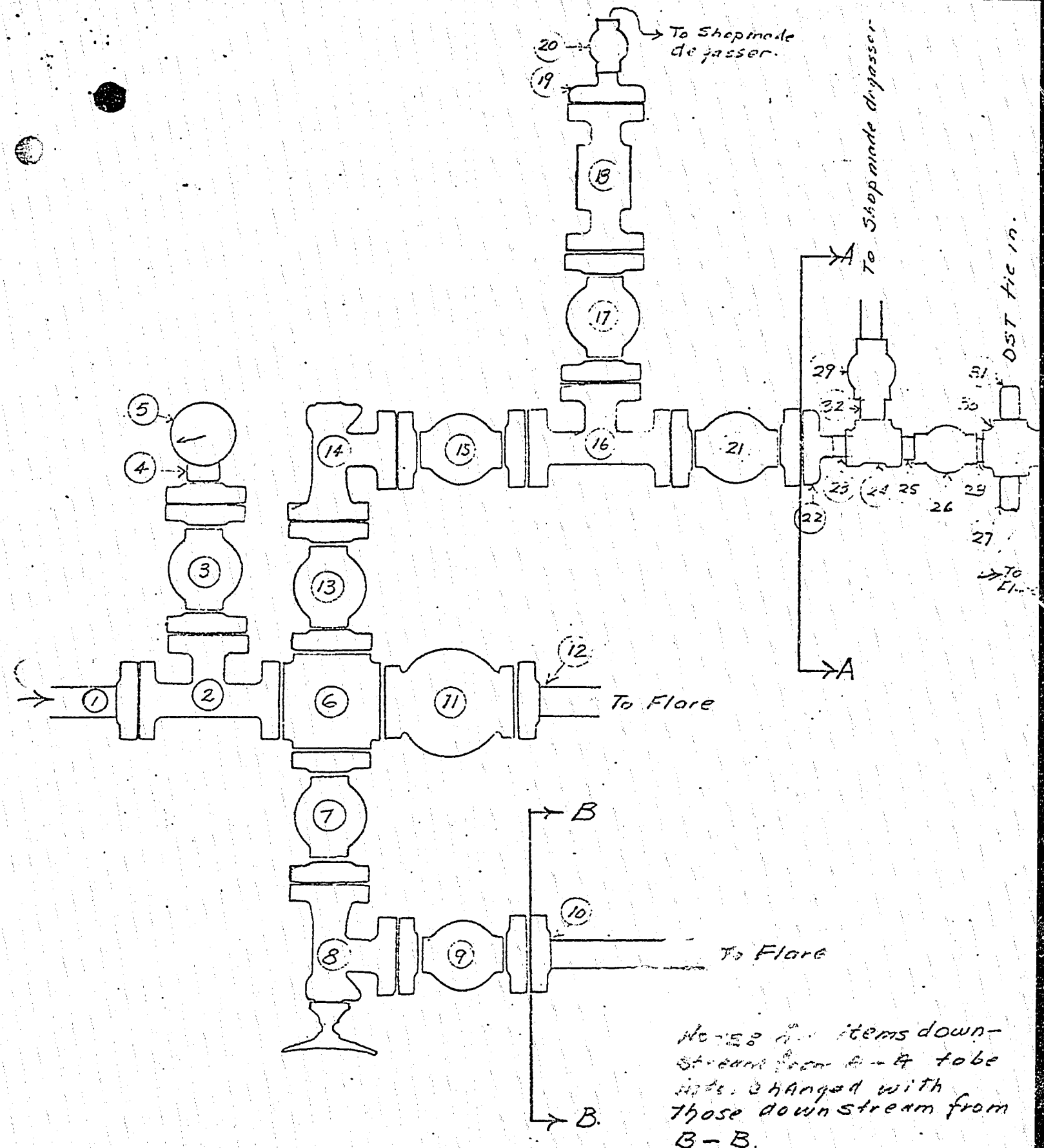
11.0 Special Instructions

11.1 Pull and run pipe at low rates to minimize pressure surges.

11.2 Mechanically actuate and verify closing of BOPs daily. Always close blind rams when out of hole.

11.3 All operations are considered strictly CONFIDENTIAL.

October, 1971
RJR/mb

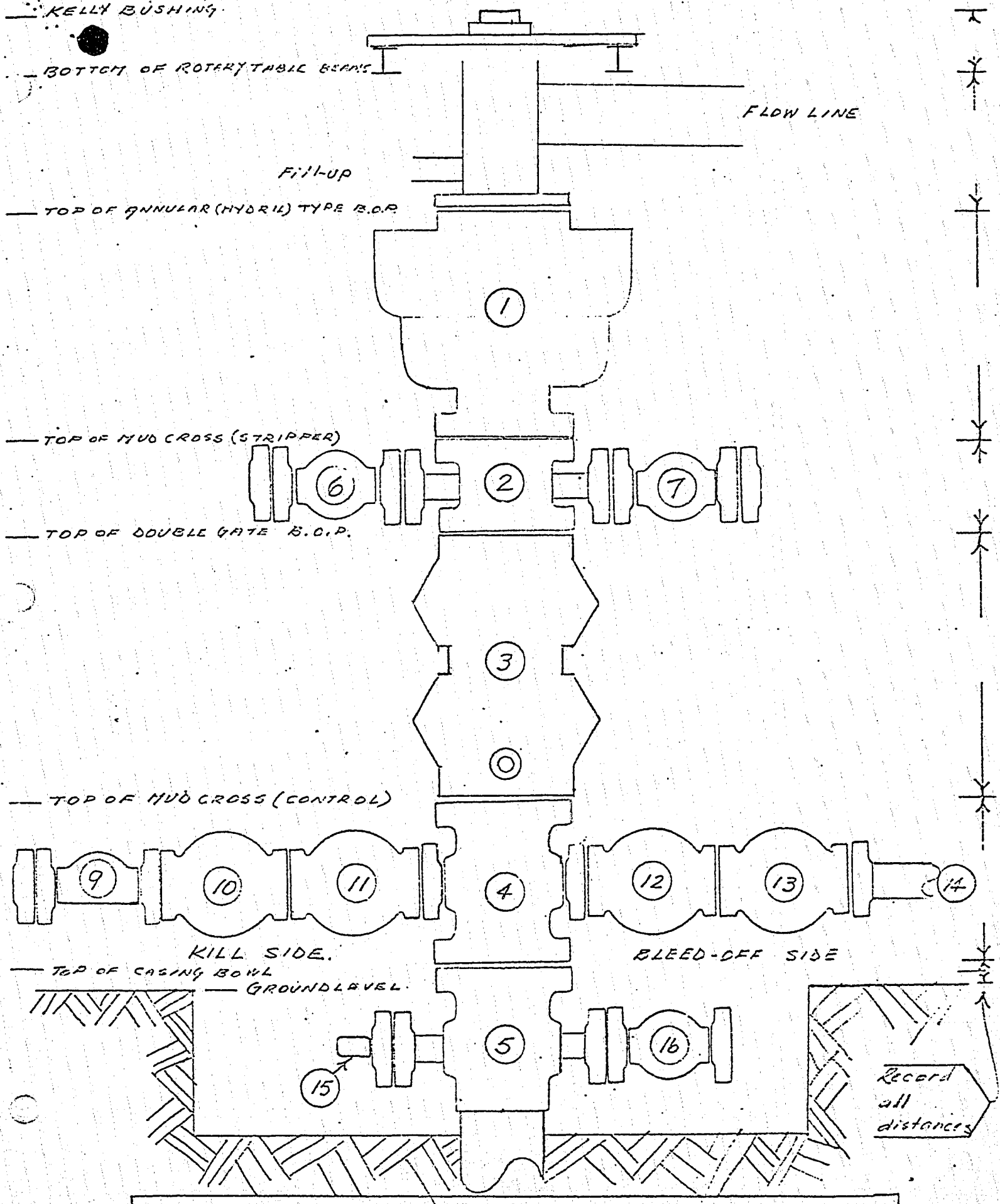


Note: Items downstream from A-A to be interchanged with those downstream from B-B.

MANIFOLD VALVING INFORMATION

MANIFOLD VALVING INFORMATION

ITEM NO.	DESCRIPTION
(1)	BLEED OFF FROM B.O.P — COMPANION FLANGE SIZE _____ PIPE SIZE _____ THREADED OR WELDED _____
(2)	FLANGED TEE — SIZE & W.P. #1 _____ #2 _____ #3 _____
(3)	VALVE — MAN. _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER. No. _____ ADAPTER _____
(4)	COMPANION FLANGE — FLANGE SIZE _____ W.P. _____ THREAD SIZE _____
(5)	PRESSURE GAUGE — MAN. _____ RANGE _____ SIZE THREAD _____ TYPE _____
(6)	CROSS — SIZE & W.P. #1 _____ #2 _____ #3 _____ #4 _____
(7)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER NO. _____ ADAPTER _____
(8)	CHOKE ADJUSTABLE — MAN _____ TYPE _____ SIZE & W.P. _____ NOTE: BE CERTAIN INSTALLED AS SHOWN ON SKETCH
(9)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER No. _____ ADAPTER _____
(10)	FLARE LINE — FLANGE SIZE _____ PIPE SIZE _____ THREADED OR WELDED _____
(11)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER No. _____ ADAPTER _____
(12)	FLARE LINE — FLANGE SIZE _____ PIPE SIZE _____ THREADED OR WELDED _____
(13)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER. No. _____ ADAPTER _____
(14)	CHOKE FIXED — MAN _____ TYPE _____ SIZE & W.P. _____ SIZE CHOKE INSTALLED: FOR NORMAL OPERATION SHOULD NOT HAVE BEAN LESS THAN _____
(15)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER No. _____ ADAPTER _____
(16)	FLANGED TEE — SIZE & W.P. #1 _____ #2 _____ #3 _____
(17)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER No. _____ ADAPTER _____
(18)	AUTOMATIC CHOKE — MAN _____ TYPE _____ INLET _____ OUTLET _____ SPARES _____
(19) (23)	COMPANION FLANGE — FLANGE SIZE _____ THREAD SIZE & TYPE _____
(20) (26) (29)	VALVES — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____
(21)	VALVE — MAN _____ TYPE _____ SIZE _____ W.P. _____ TRIM _____ SER No. _____ ADAPTER _____
(2) (25) (28) (32)	NIPPLES. — SIZE _____ THREAD _____ SCHED. _____
(24)	THREADED TEE — SIZE _____ SCHEDULE _____
(27) (31)	BULL PLUG — SIZE _____ SCHEDULE _____
(30)	THREADED CROSS — SIZE _____ SCHEDULE _____

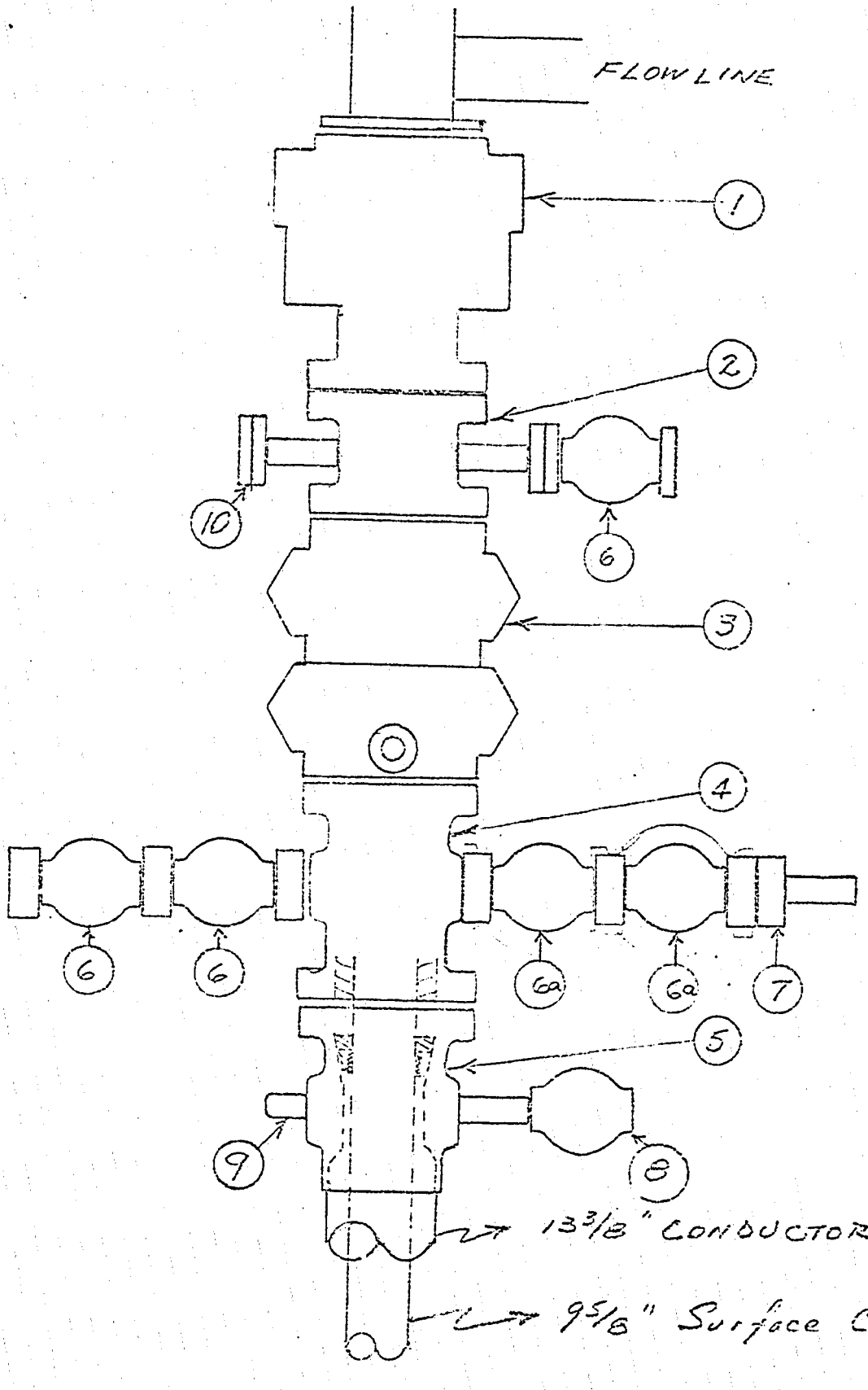


B.O.P. STACK AND VALVING INFORMATION

B.O.P STACK AND VALVING INFORMATION

ITEM No.	DESCRIPTION.	SUPPLIED BY
1	Annular B.O.P. Man. ____ Type ____ Size ____ W.P. ____ Top ____ Bottom ____ Outlet ____	
2	MUD CROSS STRIPPER Top Flange ____ No. 1 Side Outlet ____ Bottom Flange ____ No. 2 Side Outlet ____	
3	DOUBLE GATE B.O.P. Man. ____ Type ____ Size ____ W.P. ____ Top Rams ____ Top ____ Bottom ____ Side Outlet ____ Bot. Rams ____	
4	MUD CROSS CONTROL Top flange ____ No. 1 Side Outlet ____ Hangs ____ Csg Bot. flange ____ No. 2 Side Outlet ____ Type ____ Prtctr. ____	
5	CASING BOWL Top Flange ____ No. 1 S. Out. ____ Man. ____ Type ____ Bottom ____ No. 2 S. Out. ____ Hangs ____ Csg. Bowl Protr. ____	
6	VALVE Stripper Man. ____ Type ____ Size ____ W.P. ____ Trim ____ Ser No. ____ Adapter ____	
7	VALVE Stripper Man ____ Type ____ Size ____ W.P ____ Trim. ____ Ser. No. ____ Adapter ____	
8		
9	VALVE CHECK Man. ____ Type ____ Size ____ W.P. ____ Trim ____ Ser No. ____ Adapter ____	
10	VALVE CONTROL Man. ____ Type ____ Size ____ W.P. ____ Trim ____ Ser No. ____ Adapter ____	
11	VALVE CONTROL Man ____ Type ____ Size ____ W.P. ____ Trim ____ Ser No ____ Adapter ____	
12	VALVE CONTROL Man. ____ Type ____ Size ____ W.P. ____ Trim. ____ Ser No. ____ Adapter ____	
13	VALVE CONTROL Man ____ Type ____ Size ____ W.P. ____ Trim ____ Ser No ____ Adapter ____	
14	BLEED-OFF To MANIFOLD. Flange Size ____ Pipe Size ____ Threaded or welded ____	
15	CSG BOWL EQUIPMENT Companion Flange ____ Bull Plug ____ Reinstallation Nip ____	
16	VALVE CSG BOWL Man ____ Type ____ Size ____ W.P. ____ Trim ____ Ser No. ____	
17		
18		
19		
20		

Proposed B. O. P. Hook Up



INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
OCT 26 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

AQUIT MOBIL AYHESS 3000 CANYON K-03

(1) HYDRIL GK 12" 5 900 (PETROLIA)

(2) SPACER SPOOL 12" 5 900 x 12" 5 900 W/ 2 - 2" 5 1500 SIDE OUTLETS, FLANGED (PETROLIA)

(3) SHAFFER DBLE GATE 12" 5 900. (PETROLIA)

(4) OCT CASING SPOOL 12" 5 900 x 12" 5900 W/ 2 2" 5 1500 SIDE OUTLETS STUDDED (AQUITAINE)

(5) OCT CASING BOWL 12" 5900 x 13 3/8" SLIP ON W/ 2 - 2" threaded outlets complete w/ slips and seal and secondary seal for 9 5/8" casing (AQUITAINE)

(6) 2" 5 900 Flanged GATE VALVES. (PETROLIA)

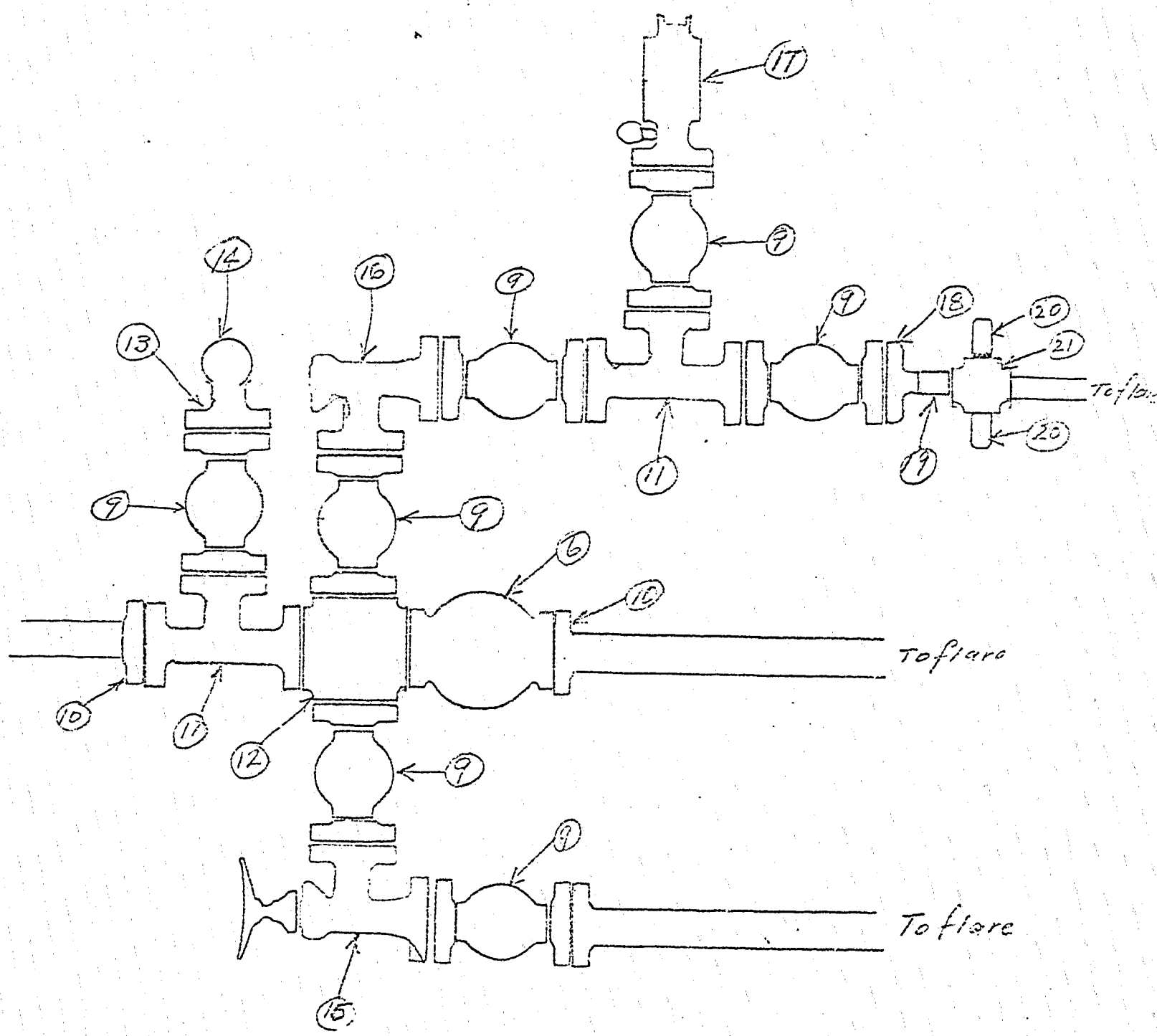
(6a) 3" 5 900 Flanged Gate Valves. (Petrolia)

(7) 2" 5 900 FLANGED LINE TO MANIFOLD (AQUITAINE)

(8) 2" threaded 2000 psi ball valve (AQUITAINE)

(9) 2" bull plug (AQUITAINE)

(10) 2" 5 900 BLANK FLANGE (PETROLIA)


17
9
14
16
9
9
18
20
21
13
To flare
11
19
20
9
9
6
10
To flare
10
11
12
9
9
To flare
15

1. Hydril GK 12" 5900
2. Space Saver flange or Spool 12" 5900.
3. SHAFFER Double gate 12" 5900 type B.
4. Spool 12" 5900 x 12" 5900 - S.O. 3" 5900
5. CASING BOWL 12" 5900 x 13 3/8" Slip on.
6. 3" 5900 GATE VALVES FLANGED Note Can be 2" 5900 ON KILL SIDE.
7. 3" 5900 GATE VALVES FLANGED NOTE CAN BE 2" 5900 ON KILL SIDE — MUST BE N.A.C.E. TRIM.
8. BLANK FLANGE 2" 5900
9. 2" 5900 GATE VALVE (N.A. CE. TRIM. FIRST OUTLET)
10. 3" 5900 WELD FLANGE.
11. 3" 5900 x 3" 5900 x 2" 5900 FLANGED TEE
12. 3" 5900 x 3" 5900 x 2" 5900 x 2" 5900 STUDDED CROSS
13. 2" 5900 x 2" 5900 COMPANION FLANGE
14. 2" CAMERON MUD GUAGE
15. 2" SERIES 900 VARIABLE CHOKE.
16. 2" 5 900 FIXED CHOKE.
17. SWACO AUTOMATIC CHOKE. — UP STEAM SIDE 3" SERIES 900 FLANGE WELDED 2" TEE OUTLET FOR MARTIN DECKER DOWN STEAM 4" FEMALE L.P.
18. 2" 5900 x 2" L.P COMPANION FLANGE.
19. 2" XXH nipple
20. 2" XXH bull plug (DST outlet)
21. 2" XXH CROSS

FLUID ANALYSES

FOR

AQUITAINE COMPANY OF CANADA LTD.

AQUIT MOBIL AMHESS DODO CANYON K-03
DODO CANYON
NORTHWEST TERRITORIES

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

CORE LABORATORIES — CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company Aquitaine Company of Canada Ltd. Page 1 of 4

Well Aquit Mobil AmHess Dodo Canyon K-03 File 921-276

Field Dodo Canyon, N.W.T. Analyst DS

Location 65 02' 33.36 N.L. 126 46' 13.96 W.L. Elevation: K.B. ____ Grd. 995'

Formation Bear Rock Depth 7320' - 7600'

Sampled from DST #1 (Top of Tool) by Lynes United Services

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

Date sampled Jan. 17/72 Date received Jan. 22/72 Date analysed Jan. 24/72

Container pressure ____ Mud ____ Water cushion ____

Recovery or flowrate: 1620' Liquid.

Analysis

Benzene	<0.1 ppm

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
FEB 2- 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BR

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

Company Aquitaine Company of Canada Ltd.

Well Aquit Mobil AmHess Dodo Canyon K-03 K.B. ____ Grd. 995'

Location 65 02' 33.36 N.L. 126 46' 13.96 W.L. Field Dodo Canyon Province N.W.T.

Formation Bear Rock Interval 7320' - 7600'

Sampled from DST #1 (Top of Tool) by Lynes United Services

Date sampled Jan. 17/72 Date analysed Jan. 27/72 Analyst LK

Recovery 1620' Liquid.

Mud type ____ Water cushion ____

Resistivity 0.26 Ohm-meters @ 68 °F

Specific gravity 1.0215 @ 60°F

pH 6.7 H_2S Absent

Refractive Index 1.3377 @ 70°F

Total Solids:

Calculated 27,678 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
9145	851	164	Trace	Abs.	-	-	12270	342	4906	Nil	Nil

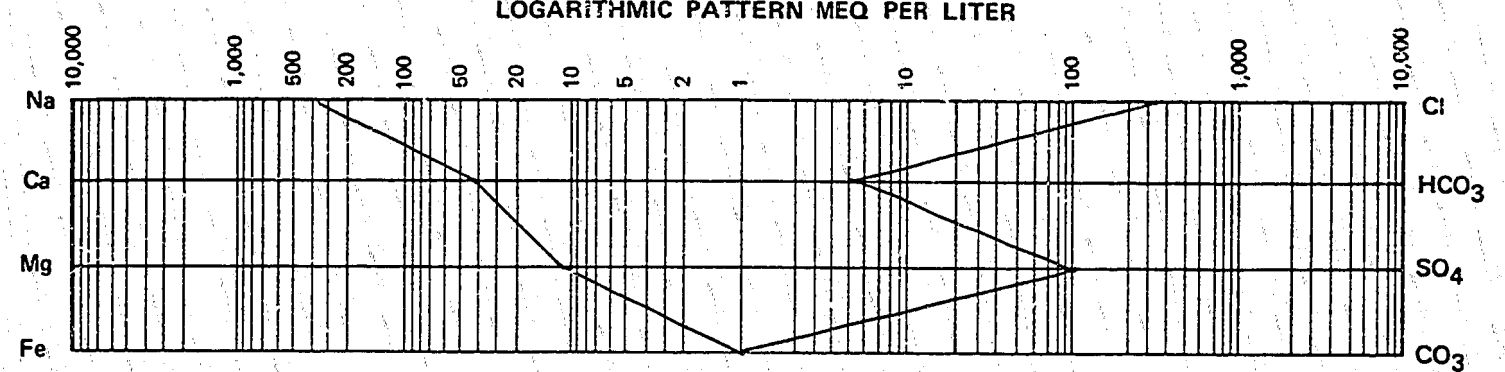
PER CENT CALCULATED SOLIDS

33.0	3.1	.6	Trace	Abs.	-	-	44.3	1.2	17.7	.0	.0

MEQ PER LITER

397.6	42.5	13.5	Trace	Abs.	-	-	346.0	5.6	102.0	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



25096. 9145.0

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

Company Aquitaine Company of Canada Ltd. Page 3 of 4

Well Aquit Mobil AmHess Dodo Canyon K-03 File 921-276

Field Dodo Canyon, N.W.T. Analyst LK

Location 65 02' 33.36 N.L. 126 46' 13.96 W.L. Elevation: K.B. ____ Grd. 995'

Formation Bear Rock Depth 7320' - 7600'

Sampled from DST #1 (495') by Lynes United Services

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

Date sampled Jan. 17/72 Date received Jan. 27/72 Date analysed LK

Container pressure ____ Mud ____ Water cushion ____

Recovery or flowrate: 1620' Liquid.

Mud Filtrate Analysis

Resistivity	=	0.262 Ohm-meters @ 64°F
Chloride	=	23,078 mg/liter

CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

Company Aquitaine Company of Canada Ltd. Page 4 of 4

Well Aquit Mobil AmHess Dodo Canyon K-03 File 921-276

Field Dodo Canyon, N.W.T. Analyst LK

Location 65 02' 33.36 N.L. 126 46' 13.96 W.L. Elevation: K.B. ____ Grd. 995'

Formation Bear Rock Depth 7320' - 7600'

Sampled from DST #1 (870') by Lynes United Services

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

Date sampled Jan. 17/72 Date received Jan. 22/72 Date analysed Jan. 27/72

Container pressure ____ Mud ____ Water cushion ____

Recovery or flowrate: 1620' Liquid.

Mud Filtrate Analysis

Resistivity	=	0.405 Ohm-meters @ 64°F
Chloride	=	13,730 mg/liter

WELL HISTORY REPORT

Aquit Mobil Am Hess Dodo Canyon K-03

JUNE 1972

673-11-5-411

WELL HISTORY REPORT

Aquit Mobil Amoco Bess Pedro Canyon E-03

JUNE 1972

673-11-5-41

AQUITAINE COMPANY
OF CANADA LTD.

Well History Report

Aquit Mobil Am Hess Dodo Canyon K-03

Table of Contents

SECTION I	Summary of Well Data
SECTION II	Geological Summary
SECTION III	Engineering Summary
SECTION IV	Logs
SECTION V	Analysis
SECTION VI	Completion Summary

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

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JUN 26 1972
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

SECTION I

AQUITAINE COMPANY
OF CANADA LTD.

WELL HISTORY REPORT

Aquit Mobil Am Hess Dodo Canyon K-03

SECTION I - Summary of Well Data

(a) Well Name and Number: Aquit Mobil Am Hess Dodo Canyon K-03

(b) Permittee: Aquitaine Company of Canada Ltd. - 90%
Banff Oil (1970) Ltd. - 10%

(c) Operator: Aquitaine Company of Canada Ltd.
540 - 5th Avenue S.W.
CALGARY, Alberta
T2P 0M4

(d) Location: Unit K, Section 03, Grid 65°10' 126°45'
Unique Well Identifier: 300K036010126450
Universal Well Location Reference: 65.042600° 126.770544 126.770544°

(e) Co-ordinates: Latitude: 65°02'33.36"
Longitude: 126°46'13.96"

(f) Permit No.: 4943

(g) Drilling Contractor: Petrolia Drilling, Division of Kenting Ltd.
700 - 6th Avenue S.W.
CALGARY, Alberta

Rig No. 7, Unit 40.

(h) Drilling Authority: Number 552
Date Issued November 2, 1971

(i) Classification: Wildcat

(j) Elevations: Ground: 995'
K.B.: 1,012'

(k) Spudded: November 28, 1971, at 8:00 a.m.

(l) Completed Drilling: January 13, 1972.

(m) Total Depth: 9,010'

(n) Well Status: Plugged and Abandoned.

(o) Rig Released: January 20, 1972, at 4:00 p.m.

(p) Hole Sizes: 20" to 79'; 12-1/4" to 1,008'; 8-3/4" to 9,010'.

(q) Casing: 13-3/8" conductor casing set at 79'.
9-5/8" surface casing set at 1,009'.

SECTION II

AQUITAINE COMPANY
OF CANADA LTD.

SECTION II - Geological Summary

(a) Formation Tops: See "Geological Marker Report" attached.

(b) Cored Intervals: See "Core Report" attached.

(c) Core Descriptions: See "Core Descriptions" attached.

(d) Sample Descriptions: See "Geological Sample Descriptions" attached.

(e) Paleontological Determinations: Not Applicable.

FORM 5157-1

GEOLOGICAL MARKER REPORT

AQUITAINE COMPANY OF CANADA LTD.

WELL NAME Aquit Mobil Am Hess Dodo Canyon K-03

LOCATION Dodo Canyon K-03 K.B 1,012'

FORMATION / MARKER	FROM PROGNOSIS	FROM SAMPLES	FROM LOG	SUBSEA
Upper Cretaceous				
East Fork	0'			
Little Bear	500'			
Slater River	1,200'			
Lower Cretaceous				
Sans Sault	2,500'			
Upper Devonian				
Imperial	3,000'		2,977'	-1,965'
Canol	5,000'		5,192'	-4,180'
Middle Devonian				
Hare Indian	5,500'		5,665' ?	-4,653' ?
Hume	6,000'		5,805'	-4,793'
Middle Argillaceous Member			6,005'	-4,993'
Middle and Lower Devonian				
Bear Rock	6,430'		6,256'	-5,244'
Bear Rock Anhydrite			6,352'	-5,340'
Silurian & Upper Ordovician				
Mt. Kindle	7,530'		7,514'	-6,502'
Ordovician - Cambrian				
Ronning - cherty	7,730'		7,629'	-6,617'
- rhythmic	7,880'		7,899'	-6,887'
- oolitic marker			8,450'	-7,438'
- cyclic	8,850'		8,720'	-7,708'
Cambrian				
Saline River	9,100'		8,966'	-7,954'
FINAL TOTAL DEPTH			9,010'	-7,998'

REMARKS

FORM 5161

BANFF OIL LTD.

CORE REPORT

WELL NAME: Aquit Mob 1 Am Hess Dodo Canyon K-03 LOCATION: Dodo Canyon K-03

CORE NO.	INTERVAL	RECOVERY	FORMATION	ANGLE OF DIP
1	5,857' - 5,888'	30'	Hume	
2	6,312' - 6,326'	15'	Bear Rock	
3	7,710' - 7,730'	20'	Ronning	
4	8,069' - 8,100'	25.4'	Ronning	
5	8,535' - 8,546'	10.6'	Ronning	
6	8,862' - 8,872'	10'	Ronning	

CORE DESCRIPTIONS

Core No. 1: (5857 - 5888') Recovered 29.65'

5857 - 5858' Limestone, medium to dark brown, fine to micro-crystalline with many cracks and fractures infilled with spar calcite.
Rare partings infilled with black, slightly bituminous shale, dense.
Rare ostracods noted.

5858 - 5859' Limestone, medium and dark brown, fine to micro-crystalline as above, dense.
Rare algal material unidentified.

5859 - 5860' Limestone, dark brown, micro-grained, bioclastic, with abundant unidentified fossil fragments and algal textures rare brachiopod fragments, dense.

5860 - 5861' Limestone, medium to dark brown, fine to micro-crystalline with trace of scattered ostracods, many inclusions of spar calcite, dense.
Unidentified algal material.

5861 - 5862' Limestone, medium brown, fine to micro-crystalline, with rare brachiopods, rare ostracods.
Trace of fractures infilled with spar calcite.
Minor inclusions of limestone, white calcilutite.

5862 - 5863' Limestone, medium to dark brown, fine to micro-crystalline with fractures infilled with black, bituminous shale and abundant spar calcite.
Rare ostracods.
Rare vugs in spar calcite, infilling fractures.

5863 - 5864' Limestone, medium brown, fine to micro-crystalline, with rare ostracods, dense.
Rare inclusions of limestone, light brown, calcilutite, with unidentified algal material noted.
Rare calcishperes.

5864 - 5865' Limestone, medium brown, fine to micro-crystalline, badly fractured, with numerous hairline stylolites infilled with black shale or spar calcite, rare brachiopods and ostracods noted.
Scattered intraclasts noted.
Rare stromatoparoid relicts.

5865 - 5866' Limestone, medium brown, fine to micro-crystalline with many vertical and oblique cracks and fractures infilled with secondary calcite.
Rare brachiopods noted.
Partings infilled with black shaly material were noted.

5866 - 5867' Limestone, medium brown, finely crystalline, with numerous sub-horizontal and oblique fractures and cracks infilled with secondary calcite (sparry).
Rare ostracods and brachiopod fragments noted.
Trace of micrite infilling dark brown to black.
Rare fossil ghosts noted and unidentified fragments.

5867 - 5868' Limestone, medium to dark brown, fine to micro-crystalline with numerous fractures, oblique and sub-horizontal infilled with spar calcite, dense.

5868 - 5869' Limestone, medium brown, finely crystalline, with numerous ostracods.
Stromatoparoid relicts noted.
Fractures and cracks infilled with spar calcite.
Micrite infilling noted.

5869 - 5870' Limestone, medium brown, finely crystalline to micro-crystalline, with abundant oblique and sub-horizontal fractures infilled with spar calcite.
Rare ostracods noted.

5870 - 5871' Limestone, medium brown, micro-crystalline with minor infilling of spar calcite, rare brachiopods and ostracods noted, dense.

5871 - 5872' Limestone, medium brown, micro-crystalline, grading to micrograined, with brachiopods noted, trace of micrite infilling.
Fractures infilled with secondary calcite and rare pockets of black carbon noted.
Rare coral ghosts?

5872 - 5873' Limestone, as above.

5873 - 5874' Limestone, medium to dark brown, micro-crystalline, micritic, with partings infilled with black, polished shale (carbonaceous).
Minor cracks and fractures infilled with spar calcite.
Rare fossil casts noted (brachiopods).

5873 - 5875' Limestone, medium to dark brown, finely crystalline, slightly micritic, with numerous brachiopod remains, calcispheres and corals noted.
One prominent coral noted.
One prominent crinoid noted 4MM on edge of core.
Rare spines noted.

5875 - 5876' Limestone, medium brown, finely crystalline, fossiliferous with one fossilized bone noted 3MM in length.
Traces of ostracods and brachiopod remains and casts.
Minor cracks and fractures infilled with secondary calcite.
Inclusions of spar calcite noted.

5876 - 5877'	Limestone, medium to dark brown, fine to micro-crystalline slightly micro-grained, with numerous fractures infilled with spar calcite and secondary calcite, rare ostracods and brachiopods noted, dense.
5877 - 5878'	Limestone, dark brown, micro-crystalline to micro-grained with micrite infilling with brachiopod and ostracods remains noted, minor fractures infilled with spar calcite.
5878 - 5879'	Limestone, dark brown, micro-grained to micro-crystalline with rare stromatoparoid relicts noted and rare cephlepod, rare ostracods, dense.
5879 - 5880'	Limestone, medium and dark brown, finely crystalline, with oblique fractures infilled with sparry calcite, rare brachiopod and ostracods noted. Rare micrite infilling noted.
5880 - 5881'	Limestone, medium to dark brown, finely crystalline, numerous fractures oblique, infilled with spar calcite. Rare fossil fragments (brachiopod) fragments noted.
5881 - 5882'	Limestone, medium to dark brown, fine to micro-crystalline with rare brachiopod remains, minor cracks and fractures infilled with secondary calcite. Numerous partings and stylolites infilled with black bituminous (highly polished) shale. Micrite infilling noted.
5882 - 5883'	Limestone, dark brown, micro-crystalline, with numerous inclusions of brown, crypto-crystalline, limestone (intraclasts) traces of ostracods and rare brachiopods. Minor fractures infilled with secondary calcite, dense.
5883 - 5884'	Limestone, dark brown, micro-crystalline, with numerous brachiopods, fractures infilled with black highly polished shale, with bituminous streak.
5884 - 5885'	Limestone, dark brown, micro-crystalline, with trace of ostracods, with fracturing noted, oblique, infilled with spar calcite, and minor oblique cracks infilled with secondary calcite.
5885 - 5886'	Limestone, dark brown, micro-crystalline, with trace of fractures and cracks, oblique, infilled with secondary calcite and spar calcite, rare ostracods and brachiopods remains noted.
5886 - 5887'	Limestone, dark brown, micro-crystalline, with fractures and cracks as above, brachiopod remains noted. Trace of partings infilled with black shaly material. Micrite infilling noted.

Core No. 2: (6312' - 6326') Recovered 14.6'

6312 - 6313'	Dolomite, medium to dark brown, fine to micro-crystalline, with inclusions of calcite crystals, dense. Trace of partings infilled with black shaly material.
6313 - 6314'	Dolomite, medium grey-brown, finely crystalline, slightly silty, with fractures infilled with secondary calcite, sparry?
6314 - 6315'	Dolomite, tan, fine to micro-crystalline, with traces of fractures infilled with spar calcite, rare calcispheres? fossil ghosts or shadows noted, dense.
6315 - 6316'	Dolomite, tan, fine to micro-crystalline, with abundant fractures infilled with spar calcite, rarely fossiliferous appears slightly brecciated.
6316 - 6317'	Dolomite, tan, micro-crystalline, to crypto-crystalline, brecciated, numerous inclusions of spar calcite infilling fractures, rarely pyritic, rare ostracods, with minor partings infilled with black shaly material, dense.
6317 - 6318'	Dolomite, medium to dark brown, finely crystalline, with traces of ostracods, fractured, with fractures infilled with secondary calcite, brecciated appearance, dense. Trace of black bituminous partings.
6318 - 6319'	Dolomite, medium to dark brown, finely crystalline, with trace of calcispheres or oolite casts, abundant carbon infilling.
6319 - 6320'	Dolomite, brown, finely crystalline, grading to fine grained, very oolitic, with many ostracods, carbon flecks and clear calcite crystals noted, fractures infilled with secondary calcite, dense.
6320 - 6321'	Dolomite, dark brown, finely crystalline, to slightly fine grained, with rare isolated pin point porosity and vugs lined with dolomite rhombs, slight stain (mineral) no cut or fluorescence, partial infilling of carbon in vugs.
6321 - 6322'	Dolomite, dark brown, finely crystalline to slightly fine grained, as above.
6322 - 6323'	Dolomite, dark brown, finely crystalline, with scattered fine vugs, and pin point porosity, vugs partially lined with carbon, essentially poor porosity.
6323 - 6324'	Dolomite, dark brown, finely crystalline, with scattered pin point and fine vuggy porosity, abundant carbon inclusions and vug linings.
[illegible]324 - 325'	Dolomite, dark brown, finely crystalline, with rare isolated vugs, dolomite lined, with rare carbon inclusions, minor fractures filled with secondary calcite, rare pin point porosity.

6324 - 6325'
(Continued)

Rare cracks infilled with secondary calcite.

6325 - 6326'

Dolomite, medium brown, grading to dark brown, finely crystalline, with rare oolite ghosts, fractures noted infilled with secondary calcite.
Trace of partings infilled with black shaly material and spar calcite, dense.

NOTE: Core on the whole has a brecciated appearance and when broken emits a sulphur odor.

Core No. 3: (7710 - 7730') Recovered 19.6'

7710 - 7712'	Dolomite, light grey-buff to buff, finely crystalline, slightly silty, with partings and cracks infilled with secondary dolomite, fractures obiique and vertical infilled with secondary dolomite and coarse dolomite rhombs, rare inter-crystalline porosity between dolomite rhombs.
7712 - 7715'	Dolomite, grey-buff to buff, finely crystalline, slightly silty, with abundant pyrite cubes, dense.
7715 - 7717'	Dolomite, grey-buff to buff, finely crystalline, slightly silty, rarely pyritic, with rare rusty red to pink very finely crystalline dolomite, traces of vertical fractures infilled with dolomite rhombs and secondary dolomite, trace of inter-crystalline porosity in dolomite rhombs.
7717 - 7720.5'	Dolomite, grey-buff to buff, finely crystalline, slightly silty, with slight pink cast, traces of partings filled with waxy green shale, and minor cracks infilled with secondary dolomite, dense.
7720.5 - 7723.7'	Dolomite, light buff, finely crystalline, interbedded with dolomite, pink finely crystalline, dense, pyritic.
7723.7 - 7725.7'	Dolomite, pink and buff, finely crystalline, very pyritic, rare inclusions of bright green amorphous material (malachite) dense, partings filled with dark green, waxy pyritic shale and bright green amorphous specks.
7725.7 - 7726'	Dolomite, pink-buff, finely crystalline with red specks, trace of secondary dolomite, infilling and partings filled with pale green clay material, probably mudstone, dense.
7726 - 7728'	Dolomite, pink and buff, finely crystalline, with white chert lining vugs at base of core. Trace of weathered green-white chert in vugs soft, washed slightly.

Core No. 4: (8069 - 8100') Recovered 25.4'

8069 - 8070.7'	Dolomite, grey-brown, pink and red, fine to micro-crystalline, with pale green dolomite, argillaceous in part, lenses of red and green dolomitic shale noted. Numerous cracks and fractures oblique and sub-horizontal infilled with pale green dolomitic mudstone, and red dolomitic shale. Minor partings infilled with apple green waxy shale, interval slightly disrupted.
8070.7 - 8070.8'	Chert orange and white, very oolitic, slightly dolomitic with two prominent inclusions of very oolitic chert, with oolites silicified, oolites infringing into grey-buff finely crystalline, dolomite at base of interval.
8070.8 - 8071.7'	Dolomite, grey-buff, fine to micro-crystalline, slightly silty, with numerous cracks and fractures, one large fracture infilled with coarse dolomite rhombs. Partings noted filled with black shaly material.
8071.7 - 8073.3'	Dolomite, pale pinkish-brown, fine to micro-crystalline, essentially micro-crystalline, with numerous cracks infilled with clear dolomite, many oblique fractures infilled with emerald to pale green and red dolomitic, slightly waxy shale. Minor veinlets infilled with rusty red dolomite.
8073.3 - 8078.7'	Dolomite, dark pinkish-brown, fine grading to micro-crystalline, with numerous cracks infilled with dolomite or red and green dolomitic shale, interbedded with dolomite white to green-white and pink and white slightly silty. Scattered intraclasts noted fine to pebble size, angular. Many partings filled with red and green, dolomitic shale waxy or polished. Wavy bedding noted for 6/10' approximately at 8076.7'.
8078.7 - 8079.2'	Abundant angular intraclasts up to 40MM in matrix of red argillaceous, silty dolomite and green argillaceous mudstone, with floating sand grains disrupted.
8079.2 - 8086.2'	Dolomite, light grey to slightly grey-green, finely crystalline, interbedded with dolomite, pink micro-crystalline and apple green to emerald green slightly mottled, slightly silty dolomitic, mudstone, becoming quite silty at times. Bedding partially uneven, and rare ghosts of oolites noted. Numerous cracks and fractures oblique and sub-horizontal infilled with green mudstone, and waxy green, slightly dolomitic shale. Top of interval indicates slumping.
8086.2 - 8092.1'	Dolomite, grey-brown, with slight pink cast, fine to micro-crystalline, with numerous pockets of clear dolomite crystals. Oblique fractures noted and many stylolites filled with black shaly material.

8092.1 - 8093.4' Dolomite, pink-red, grey and light green, micro-crystalline with numerous red shale, silty and slightly dolomitic, partings, numerous cracks vertical, and fractures infilled with red shale.
Uneven bedding noted.

8093.4 - 8094.4' Dolomite, light greenish-white, finely crystalline, with pink micro-crystalline dolomite, with abundant floating sand grains, sub-round, frosted and clear, medium to coarse.
Fractures noted infilled with green mud-stone, silty.

Core No. 5: (8535 - 8546') Recovered 10.6'

8535 - 8536'	Dolomite, grey-brown, finely crystalline, with minor stylolites infilled with black shaly material, rare cracks infilled with secondary dolomite, dense, grading to dolomite, grey-white to cream-white, finely crystalline with minor hairline stylolites infilled with black shaly material, rare fossil ghosts noted.
8536 - 8537'	Dolomite, light brown to tan, finely crystalline, rarely oolitic and trace of oolite shadows, grades to dolomite, light grey-buff, finely crystalline, dense. Minor stylolites and partings filled with black slightly pyritic shale, dolomitic.
8537 - 8538'	Dolomite, light grey-brown, finely crystalline, with one oblique fracture noted, dense.
8538 - 8539'	Dolomite, light brown to grey-brown, finely crystalline, dense, grading to dolomite, grey, micro-crystalline, dense, with rare floating medium to coarse sand, rounded, clear. Fractures, oblique, infilled secondary dolomite. Minor hairline cracks and stylolites infilled with grey to slightly grey-green shale, pyritic, with floating medium sand grains, clear.
8539 - 8540'	Dolomite, light grey-brown, finely crystalline, slightly pyritic, with one prominent vertical fracture infilled with secondary dolomite.
8540 - 8541'	Dolomite, grey-brown, finely crystalline, with minor partings filled with dark grey to black shaly material. Two large vugs up to 27MM noted lined with coarse dolomite rhombs, possibly connected by hairline vertical fracture to one vug approximately 5MM in size in centre of core end, dolomite lined. Rare scattered vugs lined with dolomite rhombs. Hairline stylolites noted.
8541 - 8542'	Dolomite, light grey-buff, finely crystalline, dense, with trace of vertical and oblique fractures infilled with secondary dolomite and rare partings infilled with black shaly material.
8542 - 8543'	Dolomite, medium brown to grey-brown, finely crystalline, dense, with fractures infilled with secondary dolomite, partings infilled with black shaly material occasional pyrite inclusions in shaly material.
8543 - 8544'	Dolomite, light grey-brown to medium grey-brown, finely crystalline, dense, with numerous fractures oblique, infilled with secondary dolomite, and partings infilled with black shaly material.

8544 - 8545'	Dolomite, medium brown to grey-brown, finely crystalline, dense, scattered oblique fractures infilled with secondary dolomite, and parting and stylolites infilled with black shaly material.
8545 - 8545.6'	Dolomite, medium brown to grey-brown, finely crystalline, dense, with small fractures infilled with secondary dolomite and stylolites infilled with black shaly material.

Core No. 6: (8862 - 6672') Recovered 10.2'

8862 - 8862.5' Dolomite, dark grey, brown, micro-crystalline, grading to argillaceous, rare scattered finely disseminated pyrite with extremely fine silt residue (when dissolved in HCl) dense.

8862.5 - 8870.4' Dolomite, dark grey-brown, micro-crystalline to crypto-crystalline, becoming very argillaceous, scattered very fine pyrite and veinlets of pyrite with many laminations or thin beds of dolomite, light grey-buff, micro-crystalline rarely fine.
Minor thin beds of dolomite dark brown up to 6/10', argillaceous grading to dolomitic mudstone.
Abundant thin beds of anhydrite, tan to brown, crypto-crystalline, dolomitic, with scattered very fine pyrite.
Oblique fractures noted infilled with gypsum.
Rare paper thin partings of black polished shale and rare partings with slightly bituminous shale gypsiferous in part.
One parting of black polished shale, with bituminous streak rare inclusions of anhydrite or gypsum, rarely pyritic, possible fossil cast noted.
This interval has a banded appearance and shows minor cross bedding.

8870.4 - 8871.8' Anhydrite, dark and light brown, crypto-crystalline, slightly dolomitic, with rare paper thin partings of black shale, with rare flecks of fine disseminated pyrite in anhydrite.

8871.8 - 8872.2' Dolomite, dark brown, micro-crystalline, to argillaceous, grading to slightly dolomitic mudstone, with thin beds of dark brown, dolomitic, anhydrite.
One oblique fracture noted.

AQUIT MOBIL AM HESS DODO CANYON K-03

SAMPLE DESCRIPTIONS

Samples Lagged at 2400'

70 - 80'	Shale, dark grey to black, micro-micaceous, chunky to slightly fissile. Sandstone, salt and pepper, fine to medium grained, quartzitic, slightly shaly, cherty in part, non-calcareous.
80 - 90'	Sandstone, light grey to salt and pepper, fine grained, quartzitic, silty, slightly kaolinitic, slightly carbonaceous, well indurated.
90 - 100'	Sandstone, as above. Siltstone light grey, shaly, minor amounts.
100 - 110'	Sandstone, light grey to salt and pepper, fine grained, quartzitic, silty in part, slightly kaolinitic, slightly carbonaceous, slightly micro-micaceous, rarely glauconitic, friable to indurated.
110 - 170'	Sandstone, as above.
170 - 180'	Sandstone, light grey to salt and pepper, fine grained, quartzitic, silty in part, as above. Trace of sandstone, grey-white, fine grained, quartzitic, with carbonaceous partings.
180 - 210'	Presumed sandstone, as above, possible very friable and porous. 99% Sawdust. Losing mud.
210 - 230'	Sandstone, light grey to salt and pepper, fine grained, quartzitic, silty, rarely glauconitic, slightly carbonaceous, dense. Minor shale, dark grey to black, chunky, slightly silty, micro-micaceous. Rare ironstone.
230 - 240'	Sandstone, as above. Shale, medium grey, micro-micaceous, very silty, fissile, flaky in part, grading to sandy. Trace of ironstone.
240 - 250'	Sandstone, light grey, very fine grained, to fine grained, slightly salt and pepper, quartzitic, silty, slightly carbonaceous, rarely glauconitic, slightly friable, essentially tight. Shale, medium grey, micro-micaceous, very silty to sandy, flaky in part. Trace of ironstone.

250 - 260'	Sandstone, light grey, fine to very fine grained, as above. Sandstone, salt and pepper, fine to slightly medium grained, slightly kaolinitic, silty, slightly carbonaceous, essentially dense. Trace of siltstone, light grey grading to very fine grained sandstone. Rare pyrite and ironstone. Trace of shale, as above, slightly carbonaceous.
260 - 270'	Sandstone, as above. Sandstone, buff, fine grained, quartzitic, kaolinitic, sideritic in part, slightly friable. Sandstone, grey-brown, fine grained, silty, carbonaceous, slightly shaly, minor amounts. Shale, as above, slightly carbonaceous. Rare pyrite and ironstone.
270 - 280'	Sandstone, as above. Shale, medium grey, silty, flaky to fissile, micro-micaceous, slightly carbonaceous.
280 - 290'	Shale, medium to dark grey, micro-micaceous, with rare carbonaceous flecks, chunky.
290 - 310'	Shale, medium to dark grey, as above, chunky, rarely fissile. Rare pyrite.
310 - 330'	Shale, medium to dark grey, micro-micaceous, chunky, grading to bentonitic. Rare pyrite.
330 - 340'	Shale, as above, with rare lenses of sandstone, light grey, very fine grained, rarely glauconitic.
340 - 350'	Shale, medium to dark grey, micro-micaceous, slightly carbonaceous, chunky, slightly fissile, grading to flaky.
350 - 360'	Shale, as above, slightly carbonaceous, with rare lenses of sandstone, light grey, very fine grained, rarely glauconitic. Rare ironstone.
360 - 370'	Shale, medium to dark grey, micro-micaceous, silty to sandy, rarely carbonaceous, chunky to flaky.
370 - 380'	Shale, medium to dark grey, micro-micaceous, chunky to slightly fissile. Shale, medium grey, bentonitic.
380 - 390'	Shale, as above.
390 - 400'	Shale, medium to light grey, micro-micaceous, with minor carbonaceous flecks, silty in part, chunky. Rare sandstone, light grey to slightly salt and pepper, very fine grained to siltsize, quartzitic, silty, dense.

400 - 410'	Shale, medium to dark grey, micro-micaceous, chunky, grading to slightly fissile, slightly bentonitic.
410 - 420'	Shale, as above, with rare sandy lenses, slightly bentonitic. Rare pyrite.
420 - 430'	Shale, as above.
430 - 440'	Shale, medium to dark grey, as above, with sandy lenses. Rare ironstone, with minor cracks, infilled with very light grey, sandstone.
440 - 450'	Shale, medium to dark grey, micro-micaceous, slightly silty, chunky, slightly fissile, grading to bentonitic in part.
450 - 460'	Shale, as above.
460 - 480'	Shale, as above.
480 - 490'	Shale, medium to dark grey, micro-micaceous, with rare lenses of sandstone, light grey, very fine grained, rarely carbonaceous, chunky, rarely fissile.
490 - 500'	Shale, medium to dark grey, micro-micaceous, chunky, slightly fissile.
500 - 530'	Shale, medium to dark grey to black, very micaceous, as above, slightly silty, chunky.
530 - 540'	Shale, medium to dark grey to black, micro-micaceous, slightly silty, chunky.
540 - 550'	Shale, dark grey to black, micro-micaceous, silty in part, chunky to slightly fissile.
550 - 580'	Shale, dark grey to black, micro-micaceous, with rare carbonaceous flecks, chunky to slightly fissile.
580 - 590'	Shale, dark grey to black, micro-micaceous, with minor lenses of sandstone, medium grey to salt and pepper, fine grained, quartzitic.
590 - 600'	Shale, dark grey to black, micro-micaceous, as above.
600 - 620'	Shale, medium to dark grey, micro-micaceous, slightly sandy, with rare carbonaceous, inclusions, chunky, slightly kaolinitic.
620 - 630'	Shale, as above.
630 - 650'	Shale, medium to dark grey, micro-micaceous, chunky to slightly fissile, grading to slightly bentonitic.
650 - 670'	Shale, as above, silty in part, with rare lenses of sandstone, light grey. very fine grained, quartzitic, chunky.

670 - 680'	Shale, medium to dark grey, micro-micaceous, slightly bentonitic, with numerous lenses of sandstone, light grey very fine grained, quartzitic.
680 - 690'	As above.
690 - 700'	Shale, medium to dark grey, micro-micaceous, silty in part, with rare sandy lenses, chunky.
700 - 710'	Shale, as above. Sandstone, medium grey to slightly salt and pepper, fine grained, silty, quartzitic, slightly glauconitic, shaly in part, rarely pyritic, dense.
710 - 720'	Shale, medium to dark grey, micro-micaceous, silty in part, with rare lenses of sandstone, medium grey, very fine grained, quartzitic. Rare sandstone, as above.
720 - 730'	Shale, as above.
730 - 740'	Shale, medium to dark grey, micro-micaceous, sandy in part, silty, chunky to slightly fissile.
740 - 750'	Shale, as above. Sandstone, light to medium grey, very fine grained, slightly carbonaceous, silty, quartzitic, minor amounts.
750 - 780'	Shale, medium to dark grey, micro-micaceous, slightly sandy to silty, rarely carbonaceous, chunky to slightly fissile. Sandstone, light grey to slightly salt and pepper, fine to very fine grained, quartzitic, silty, rarely glauconitic, rarely sideritic, slightly friable, essentially dense.
780 - 790'	Shale, as above. Minor sandstone, as above. Trace of siltstone, light grey-buff, shaly, micro-micaceous, dense.
790 - 800'	Shale, medium to dark grey, micro-micaceous, silty. Sandstone, medium to light grey, fine to very fine grained, quartzitic, silty, rarely glauconitic, slightly kaolinitic, friable. Trace of siltstone, grey-buff, shaly in part, micro-micaceous dense.
800 - 810'	Shale, as above. Minor sandstone, light grey to slightly salt and pepper, fine grained, quartzitic, silty in part, rarely glauconitic, slightly kaolinitic, friable.
810 - 820'	Shale, medium to dark grey, micro-micaceous, silty, chunky, to slightly fissile. Rare sandstone, as above.
820 - 830'	Shale, as above, slightly sandy.

830 - 840'	Shale, as above. Minor sandstone, light grey to slightly salt and pepper, fine grained, quartzitic, kaolinitic, slightly glauconitic, slightly carbonaceous, friable, trace of porosity.
340 - 850'	Shale, dark grey, micro-micaceous, slightly sandy, chunky to slightly fissile. Rare sandstone, as above.
850 - 860'	Shale, as above.
860 - 870'	Shale, as above. Sandstone, light grey to slightly salt and pepper, fine grained, quartzitic, silty, slightly kaolinitic, rarely glauconitic, and carbonaceous, grading to shaly, friable trace of porosity to dense.
870 - 880'	Shale, dark grey, micro-micaceous, slightly silty, chunky to fissile.
880 - 890'	Shale, as above, silty in part. Rare sandstone, light grey to slightly salt and pepper, as above. Siltstone, light grey-buff, argillaceous, dense. Rare inoceramus.
890 - 900'	Shale, medium to dark grey, silty in part, micro-micaceous, chunky, to slightly fissile. Rare sandstone, as above.
900 - 910'	Shale, medium to dark grey, silty, with trace of very fine grained, sandstone, lenses, chunky to slightly fissile, firm. Rare sandstone, light grey, fine to very fine grained, quartzitic, dense.
910 - 920'	Shale, as above. Rare sandstone, light grey, fine grained, quartzitic, kaolinitic, silty, trace of carbonaceous inclusions, dense.
920 - 930'	Shale, medium to dark grey, as above. Minor sandstone, light to medium grey, fine grained, quartzitic, silty, slightly carbonaceous, rarely calcareous, dense. Rare pyrite.
930 - 940'	Shale, medium to dark grey, silty with trace of sandy lenses. Minor sandstone, medium grey, fine to very fine grained, slightly sideritic, slightly calcareous, micaceous, quartzitic, with rare finely disseminated pyrite, rarely carbonaceous, silty, well indurated.
940 - 950'	Shale, as aboe. Minor sandstone, medium to dark grey, very fine grained, quartzitic, silty, slightly shaly, dense.

950 - 960'	Shale, medium to dark grey, micro-micaceous, silty in part, slightly sandy, chunky to slightly fissile. Minor sandstone, light grey to salt and pepper, fine grained quartzitic, silty, rarely glauconitic, dense.
960 - 970'	Shale, as above, firm. Rare sandstone, as above.
970 - 980'	Shale, as above. Rare sandstone, medium grey, very fine grained, shaly, dense.
980 - 990'	Shale, medium to dark grey, micro-micaceous, silty in part, chunky to slightly fissile. Minor sandstone, light grey to slightly salt and pepper, very fine grained, quartzitic, silty, slightly carbonaceous, rarely glauconitic, well indurated.
990 - 1000'	Shale, medium to dark grey, micro-micaceous, silty to sandy, chunky. Sandstone, light grey-white to salt and pepper, fine grained, chloritic, slightly glauconitic, quartzitic, silty, rarely carbonaceous, well indurated.
1000 - 1010'	Shale, medium to dark grey, micro-micaceous, silty, chunky to slightly fissile. Rare sandstone, as above. Rare siltstone, light grey-buff, grading to mudstone. NOTE: Ran 9 5/8" casing to 1008'
1010 - 1020'	Poor sample. Contaminated with plug material after drilling out shoe.
1020 - 1030'	Shale, dark grey to black, micro-micaceous, rarely silty, rarely fissile.
1030 - 1040'	Shale, dark grey, micro-micaceous, rarely carbonaceous.
1040 - 1050'	Shale, dark grey, micro-micaceous, silty in part, rarely carbonaceous. Rare sandstone, grey, fine grained, quartzitic, dense. Rare ironstone.
1050 - 1060'	Shale, medium to dark grey, micro-micaceous, silty, chunky.
1060 - 1090'	Shale, as above, with rare lenses of sandstone, grey-brown, very fine grained, silty, dense.
1090 - 1140'	Shale, medium to dark grey, micro-micaceous, with rare sandy lenses. Rare siltstone, brown, slightly shaly.
1140 - 1150'	Sample missing.
1150 - 1160'	Shale, medium to dark grey, micro-micaceous, rarely sandy, slightly carbonaceous. Rare sandstone, brown, very fine grained to siltsize, quartzitic, dense.

1160 - 1170'	Shale, dark grey to black, micro-micaceous, slightly sandy to silty, slightly carbonaceous. Rare sandstone, brown, as above. Rare pyrite.
1170 - 1180'	Shale, as above. Rare pyrite, as above.
1180 - 1190'	Shale, dark grey to black, micro-micaceous, silty rarely carbonaceous. Siltstone, medium brown, slightly glauconitic, dense, minor amounts, grades to very fine grained sandstone, sideritic in part.
1190 - 1200'	As above.
1200 - 1210'	Shale, medium to dark grey, micro-micaceous, with rare sandy and silty lenses, rare carbonaceous flecks.
1210 - 1220'	As above.
1220 - 1230'	Shale, medium to dark grey, micro-micaceous. Rare sandstone, medium grey-brown, fine grained, quartzitic, silty, slightly shaly, slightly carbonaceous, dense.
1230 - 1240'	Shale, as above. Sandstone, as above. Trace of pyrite.
1240 - 1250'	Shale, dark grey, micro-micaceous, as above. Sandstone, medium grey to grey-brown, fine grained, slightly shaly, silty, quartzitic; dense.
1250 - 1260'	Shale, as above. Sandstone, grey to grey-brown, very fine grained to siltsize, quartzitic, dense. Trace of siltstone, medium brown, dense.
1260 - 1270'	Shale, as above. Siltstone, medium brown, slightly shaly, dense. Minor amounts sandstone, as above.
1270 - 1280'	Shale, medium to dark grey, micro-micaceous, with silty and sandy stringers, rare carbonaceous flecks, firm. Rare sandstone, and siltstone, as above.
1280 - 1290'	Shale, as above, very silty. Rare sandstone, medium grey, very fine grained, silty, dense. Rare pyrite.
1290 - 1300'	Shale, as above. Sandstone, medium grey to grey-brown, very fine grained, rarely carbonaceous, rarely kaolinitic, dense.
1300 - 1310'	Shale, dark grey, very micaceous, silty in part, rare carbonaceous specks flaky to chunky. Rare sandstone as above. Pyrite.

1310 - 1320'	Shale, as above, flaky. Sandstone, grey-brown, very fine grained, silty, well indurated.
1320 - 1330'	Shale, medium to dark grey, very micaceous, silty in part, rare carbonaceous flecks, chunky. Rare sandstone, as above. Rare siltstone, medium brown, dense. Rare pyrite.
1330 - 1340'	Shale, as above. Rare siltstone, medium brown, sandy, rarely carbonaceous, dense. Rare sandstone, medium grey-brown, very fine grained, dense.
1340 - 1350'	Shale, as above.
1350 - 1360'	Shale, medium to dark grey, micro-micaceous, slightly fissile to flaky, slightly silty, rarely carbonaceous.
1360 - 1370'	Shale, as above.
1370 - 1380'	Shale, medium to dark grey, slightly fissile, chunky, micro-micaceous.
1380 - 1390'	Shale, as above. Sandstone, grey-buff to brown, fine to very fine grained, quartzitic, silty, slightly calcareous, slightly kaolinitic, rarely carbonaceous, and glauconitic, well indurated.
1390 - 1400'	Shale, medium to dark grey, micro-micaceous, slightly fissile to flaky, slightly carbonaceous. Sandstone, salt and pepper, fine to slightly medium grained, quartzitic, silty, slightly calcareous, silty, rarely carbonaceous, rarely glauconitic, rarely chloritic, dense.
1400 - 1410'	Shale, as above. Minor sandstone, as above.
1410 - 1420'	Shale, medium to dark grey, micro-micaceous, slightly fissile, slightly carbonaceous. Sandstone, salt and pepper, fine to medium grained, slightly calcareous, slightly kaolinitic, sub-angular to sub-round rarely chloritic, pyritic in part, slightly carbonaceous, slightly friable, essentially dense. Trace of pyrite.
1420 - 1430'	As above.
1430 - 1440'	Shale, medium to dark grey, as above. Minor sandstone, salt and pepper, fine to medium grained, silty, quartzitic, carbonaceous in part, with shale partings, kaolinitic, slightly glauconitic. sub-angular, to sub-round, slightly friable, essentially dense.
1440 - 1450'	Shale, as above. Sandstone, as above.

1450 - 1460'	Shale, medium to dark grey, micro-micaceous, slightly fissile, rarely carbonaceous, chunky. Trace of sandstone, as above.
1460 - 1470'	Shale, as above. Trace of sandstone, salt and pepper, fine to medium grained, slightly carbonaceous, rarely calcareous, slightly kaolinitic, and sideritic, sub-angular to sub-round grains, dense.
1470 - 1480'	Shale, as above. Sandstone, salt and pepper, fine to slightly medium grained, silty, slightly kaolinitic, chloritic in part, rarely calcareous, rarely glauconitic, with trace of shaly partings, dense.
1480 - 1490'	Shale, as above, with minor sandstone, as above.
1490 - 1500'	Shale, medium to dark grey, micro-micaceous, chunky, rarely carbonaceous, slightly fissile. Minor sandstone, as above. Sandstone, medium grey, fine grained, shaly, dense.
1500 - 1510'	Shale, as above, interbedded with light grey to slightly salt and pepper fine grained sandstone, argillaceous (laminated), dense. Trace of sandstone, salt and pepper, as above.
1510 - 1520'	Shale, as above. Minor sandstone, light brown, very fine grained, silty, quartzitic, rarely calcareous, dense. Trace of sandstone, medium grey-brown, very fine grained, slightly glauconitic, silty, dense.
1520 - 1530'	Shale, medium to dark grey, micro-micaceous, flaky in part, rarely carbonaceous, chunky. Minor sandstone, grey-brown, very fine grained, silty, dense.
1530 - 1540'	As above.
1540 - 1550'	Shale, as above, silty in part. Rare sandstone, as above.
1550 - 1560'	Shale, medium to dark grey, micro-micaceous, slightly fissile chunky, rarely carbonaceous. Rare sandstone, medium grey, very fine grained, shaly in part, dense.
1560 - 1570'	As above.
1570 - 1580'	Shale, medium to dark grey, slightly carbonaceous, micro-micaceous, fissile.
1580 - 1590'	Shale, medium to dark grey, micro-micaceous, slightly silty, carbonaceous in part, fissile.

1590 - 1600'	Shale, medium to dark grey, micro-micaceous, slightly carbonaceous, slightly silty, fissile in part. Minor shale, black, carbonaceous. Rare shale, medium grey, with sandy lenses.
1600 - 1610'	Shale, as above.
1610 - 1620'	Shale, medium to dark grey, micro-micaceous, slightly fissile, rarely carbonaceous. Rare sandstone, medium grey, very fine grained, glauconitic in part, shaly.
1620 - 1630'	Shale, medium to dark grey, micro-micaceous, rarely carbonaceous, with rare sandy inclusions.
1630 - 1640'	Shale, as above.
1640 - 1650'	Shale, as above.
1650 - 1660'	Shale, medium to dark grey, micro-micaceous, fissile in part, as above.
1660 - 1670'	Shale, as above.
1670 - 1680'	Shale, as above. Sandstone, grey-brown to salt and pepper, fine grained, quartzitic, rarely calcareous, silty, rarely carbonaceous, with occasional shaly partings, rarely carbonaceous, rarely glauconitic, dense.
1680 - 1690'	Shale, medium to dark grey, micro-micaceous, slightly silty, slightly fissile, rarely carbonaceous, chunky. Rare sandstone, salt and pepper, fine grained, slightly calcareous, slightly carbonaceous, rarely kaolinitic, dense. Rare sandstone, grey-brown, as above. Rare pyrite.
1690 - 1700'	Shale, as above. Minor sandstone, grey to medium grey, fine grained, shaly, slightly glauconitic, dense.
1700 - 1710'	Shale, as above. Minor sandstone, as above.
1710 - 1720'	Shale, medium to dark grey, micro-micaceous, rarely carbonaceous specks. Rare sandstone, salt and pepper, as above.
1720 - 1730'	Shale, as above, with rare sandy lenses.
1730 - 1740'	Shale, medium to dark grey, micro-micaceous, rarely carbonaceous, slightly fissile, chunky.
1740 - 1750'	Shale, as above, slightly silty, with rare sandy lenses.
1750 - 1760'	Shale, medium to dark grey, micro-micaceous, rarely carbonaceous, slightly silty, fissile in part to chunky.

1760 - 1770'	Shale, as above.
1770 - 1780'	Shale, medium to dark grey, micro-micaceous, with rare sandy lenses, slightly fissile to chunky.
1780 - 1790'	Shale, medium to dark grey, micro-micaceous, slightly fissile to chunky.
1790 - 1800'	Shale, as above. Rare pyrite.
1800 - 1810'	As above.
1810 - 1820'	Shale, medium to dark grey, as above, rarely carbonaceous, fissile in part to chunky. Rare pyrite.
1820 - 1830'	Shale, as above.
1830 - 1840'	Shale, medium to dark grey, as above.
1840 - 1850'	Shale, dark grey, micro-micaceous, fissile in part, with rare carbonaceous specks. Rare pyrite.
1850 - 1860'	Shale, as above, with rare lenses of very fine light grey sandstone, rarely carbonaceous, fissile in part, chunky.
1860 - 1870'	Shale, as above. Rare siltstone, medium grey, shaly, dense. Rare sandstone, medium to dark grey, very fine grained to siltsize, silty, slightly shaly, dense.
1870 - 1880'	Shale, medium grey to dark grey to black, micro-micaceous with minor lenses of sandstone, grey-brown, very fine grained, quartzitic, silty. Rare pyrite.
1880 - 1890'	As above.
1890 - 1900'	Shale, as above. Sandstone, medium grey to grey-brown, very fine grained, silty, quartzitic, slightly shaly, dense. Rare pyrite.
1900 - 1910'	Shale, medium to dark grey to black, with rare lenses of very fine grained, medium grey to grey-brown, sandstone. Sandstone, as above, a trace. Rare pyrite.
1910 - 1920'	Shale, as above. Sandstone, medium grey to grey-brown, very fine grained, silty, quartzitic, slightly carbonaceous, slightly shaly, dense. Rare pyrite.

1920 - 1930'	Shale, dark grey to black, micro-micaceous. Sandstone, medium grey to grey-brown, as above. Trace of sandstone, dark grey, very fine grained, silty, shaly in part, dense. Rare pyrite.
1930 - 1940'	Shale, as above. Minor sandstone, as above. Rare pyrite.
1940 - 1950'	Shale, as above, slightly silty, interbedded with sandstone, light to medium grey, very fine grained to siltsize, quartzitic, with trace of fine disseminated pyrite, dense. Pyrite.
1950 - 1960'	Shale, as above. Minor sandstone, as above. Pyrite, rare.
1960 - 1970'	Shale, dark grey to black, micro-micaceous, silty in part, interbedded with sandstone, medium to dark grey to grey-brown, fine grained to siltsize, quartzitic, silty, slightly shaly, dense. Rare pyrite.
1970 - 1980'	Shale, as above. Minor sandstone, as above. Pyrite.
1980 - 1990'	Shale, dark grey to black, micro-micaceous, silty in part. Minor sandstone, as above.
1990 - 2000'	Shale, as above. Trace of sandstone, salt and pepper, fine to rare medium grained, chloritic, slightly carbonaceous, dense. Trace of sandstone, medium grey-brown, fine to very fine grained, silty, quartzitic, interbedded with shale. Pyrite.
2000 - 2010'	Shale, as above, with sandy lenses. Minor sandstone, grey-brown to medium grey, fine grained, dirty, glauconitic in part. Trace of pyrite.
2010 - 2020'	Shale, medium to dark grey, micro-micaceous, silty in part, with rare lenses of sandstone, medium to light grey, fine to very fine grained, silty, dense. Minor sandstone, grey-brown, very fine grained, silty, quartzitic, slightly shaly, dense. Pyrite.
2020 - 2030'	Shale, as above. Rare sandstone, as above.
2030 - 2040'	Shale, medium to dark grey, micro-micaceous, fissile in part. Trace of sandstone, salt and pepper to grey-brown, fine grained, slightly glauconitic, silty, quartzitic, dense.

2040 - 2050'	Shale, as above. Sandstone, grey-brown to slightly salt and pepper, fine grained, quartzitic, silty, dirty, rarely glauconitic, dense. Pyrite.
2050 - 2060'	Shale, as above. Sandstone, medium grey, fine to very fine grained, quartzitic, silty, rarely pyritic. Trace of pyrite, as above.
2060 - 2070'	Shale, medium to dark grey, micro-micaceous, slightly silty, chunky, rarely fissile. Rare sandstone, as above. Trace of pyrite.
2070 - 2080'	Shale, as above. Rare sandstone, as above.
2080 - 2090'	Shale, medium to dark grey, with rare lenses of grey-brown, siltstone, dense. Rare sandstone, light grey to salt and pepper, fine grained, dense. Rare pyrite.
2090 - 2100'	Shale, medium to dark grey, micro-micaceous, slightly fissile Rare inoceramus.
2100 - 2110'	Shale, as above, with rare lenses of sandstone, light grey, very fine grained, silty, dense.
2110 - 2120'	Shale, as above. Rare pyrite.
2120 - 2130'	Shale, as above. Rare inoceramus.
2130 - 2140'	Shale, medium to dark grey to black, micro-micaceous, slightly fissile, chunky. Rare inoceramus.
2140 - 2150'	Shale, as above.
2150 - 2160'	Shale, dark grey to rare black, micro-micaceous, chunky, fissile in part. Rare inoceramus.
2160 - 2170'	Shale, as above. Rare light grey bentonite.
2170 - 2180'	Shale, dark grey, micro-micaceous, slightly fissile. Rare sandstone, medium grey-brown, very fine grained, to siltsize, silty, quartzitic, dense. Rare inoceramus.
2180 - 2190'	Shale, dark grey, micro-micaceous, as above. Rare pyrite.

2190 - 2200'	Shale, as above. Rare inoceramus.
2200 - 2210'	Shale, and inoceramus as above. Rare sandstone, light grey, very fine grained, silty, quartzitic, dense.
2210 - 2240'	Shale, as above. Rare inoceramus.
2240 - 2250'	Shale, dark grey, micro-micaceous, slightly fissile. Trace of inoceramus.
2250 - 2260'	Shale, as above. Rare inoceramus.
2260 - 2270'	Shale, medium to dark grey, micro-micaceous, fissile in part. Inoceramus, increasing.
2270 - 2280'	Shale, medium to dark grey, micro-micaceous, fissile in part. Minor amounts of inoceramus.
2280 - 2290'	Shale and inoceramus, as above.
2290 - 2300'	Shale, dark grey to black, micro-micaceous, flaky, with inoceramus in increasing amounts.
2300 - 2310'	As above.
2310 - 2320'	Shale, medium to dark grey, micro-micaceous, slightly fissile. Inoceramus.
2320 - 2330'	Shale, dark grey to black, micro-micaceous, flaky to blocky, with inoceramus as above. Rare shale, grey-white, micaceous, bentonitic to waxy.
2330 - 2340'	Shales, as above. Inoceramus.
2340 - 2350'	Shale, as above. Inoceramus, decreasing.
2350 - 2360'	Shale, dark grey to black, micro-micaceous, slightly fissile, essentially blocky. Trace of inoceramus.
2360 - 2370'	Shale, as above. Rare shale, grey-white as above. Trace of inoceramus.
2370 - 2380'	Shale, as above.
2380 - 2390'	Shale, as above.
2390 - 2400'	Shale, dark grey to black, micro-micaceous, slightly fissile. Rare fossil fragments. Rare bryazoa?

2400 - 2410' Shale, as above.
Rare fragments of white angular chert.
Rare limestone, white to cream, dolomitic, very finely crystalline, slightly sandy, dense.

Samples Lagged at 2400'

2410 - 2420' Shale, as above.
Rare limestone, as above.

2420 - 2430' As above.

2430 - 2440' Shale, dark grey to black, micro-micaceous, blocky, rarely fissile.
Rare limestone, white, dolomitic, very finely crystalline, dense.

2440 - 2450' As above.

2450 - 2460' Shale, as above.
Rare inoceramus.
Rare fragments of limestone, as above.

2460 - 2470' Shale, dark grey to black, micro-micaceous, slightly fissile, essentially blocky.

2470 - 2480' Shale, as above.
Rare shale, grey-white, waxy to bentonitic, micaceous in part.

2480 - 2490' Shale, dark grey, micro-micaceous, slightly flaky to blocky.
Rare white bentonitic to waxy, shale, micro-micaceous in part.

2490 - 2500' Shale, as above.
Rare inoceramus.

2400 - 2410' Shale, medium to dark grey, micro-micaceous, slightly flaky, essentially blocky.
Rare shale, light grey-green, bentonitic to waxy.
Rare inoceramus.

2510 - 2520' Shale, as above.
Trace of shale, light grey, blocky, slightly micro-micaceous.
Rare shale, grey-white, waxy, micro-micaceous.
Rare limestone, white, very finely crystalline, dolomitic, dense.
Rare sandstone, light grey to salt and pepper, fine grained, dense.

2520 - 2530' Shale, dark grey to black, micro-micaceous, rarely carbonaceous, with rare silty lenses.
Rare siltstone, medium brown, slightly argillaceous, dense.
Rare pyrite.

2530 - 2540' Shale, as above.
Rare ironstone and inoceramus.

2540 - 2550'	Shale, medium to dark grey, micro-micaceous, slightly fissile blocky. Rare light grey-white bentonite.
2550 - 2560'	Shale, as above.
2560 - 2570'	Shale, medium to dark grey, micro-micaceous, blocky. Rare dark brown, shaly siltstone. Rare inoceramus.
2570 - 2580'	Shale, as above. Rare chips of sandstone, grey-brown, very fine grained to siltsize, silty, slightly shaly, dense.
2580 - 2590'	Shale, as above. Rare shale, light green, waxy, micro-micaceous. Rare ironstone.
2590 - 2600'	Shale, as above.
2600 - 2610'	Shale, dark grey, slightly micro-micaceous, rarely pyritic. Pyrite. Rare siltstone, dark brown, dense.
2610 - 2620'	Shale, and pyrite, as above. Rare sandstone, dark grey, fine grained, dirty (shaly), slightly pyritic, dense.
2620 - 2630'	Shale, medium to dark grey, blocky, slightly micro-micaceous, rare large flakes of mica (biotite). Rare pyrite.
2630 - 2640'	Shale and pyrite, as above. Rare sandstone, medium grey, dirty, very fine grained, slightly glauconitic, dense. Rare ironstone.
2640 - 2650'	Shale, medium to dark grey, blocky, slightly micro-micaceous. Rare siltstone, medium to dark brown, shaly in part. Rare ironstone.
2650 - 2660'	Shale and pyrite, as above.
2660 - 2670'	Shale, medium to dark grey, blocky, slightly micro-micaceous, rarely flaky. Rare siltstone, medium to dark brown, dense. Rare sandstone, medium grey, very fine grained, dirty, slightly glauconitic, dense.
2670 - 2680'	Shale, as above. Rare sandstone, medium grey-brown, very fine grained, shaly, dirty, rarely glauconitic, dense. Rare pyrite.
2680 - 2690'	Shale, as above. Rare sandstone, as above. Rare pyrite.

2690 - 2700'	Shale, medium to dark grey, blocky, slightly micro-micaceous. Rare siltstone, medium brown, dense. Occasional inoceramus.
2700 - 2710'	Shale, as above.
2710 - 2720'	Shale, medium to dark grey, as above.
2720 - 2730'	Shale, medium to dark grey, blocky, slightly micro-micaceous.
2730 - 2740'	Shale, as above. Pyrite. Rare bentonite, grey-white. NOTE: Samples Logged Percentage at 2740'
2740 - 2750'	80% Shale, medium to dark grey, micro-micaceous. 20% Sandstone, light grey-white, fine grained, quartzitic, silty, glauconitic, slightly argillaceous, calcareous in part, rarely micaceous, dense.
2750 - 2760'	80% Shale, medium to dark grey, as above. 20% Sandstone, light grey-white, fine to very fine grained, silty, glauconitic, quartzitic, slightly argillaceous, slightly calcareous, rarely micro-micaceous, dense. Rare pyrite.
2760 - 2770'	70% Shale, as above, slightly flaky. 30% Sandstone, light grey-white, very fine grained, silty, glauconitic, quartzitic, micro-micaceous, slightly calcareous, dense.
2770 - 2780'	70% Shale, dark grey, blocky, micro-micaceous, in part. 15% Sandstone, light grey, as above. 5% Sandstone, medium grey, fine to very fine grained, quartzitic, silty, rarely glauconitic, dense.
2780 - 2790'	95% Shale, as above. 5% Sandstone, medium to light grey, very fine grained to siltsize, rarely glauconitic, micaceous in part, slightly calcareous, dense.
2790 - 2800'	As above.
2800 - 2810'	100% Shale, dark grey, blocky, slightly micro-micaceous, rare pyrite veinlets.
2810 - 2820'	100% Shale, as above.
2820 - 2830'	100% Shale, dark grey, blocky, micro-micaceous, in part, rarely glauconitic. Rare sandstone, grey-brown, fine grained, shaly, silty, dense.
2830 - 2840'	100% Shale, as above.

2840 - 2850'	100% Shale, dark grey, blocky, slightly micro-micaceous. Rare shale, light grey-green, with rare apple green mottling, micaceous. Rare pyrite and ironstone.
2850 - 2860'	100% Shale, as above. Rare sandstone, light grey-white, fine grained, quartzitic, silty, slightly glauconitic, calcareous in part, dense.
2860 - 2870'	100% Shale, as above.
2870 - 2880'	60% Shale, as above. 40% Sandstone, light grey to grey-brown, fine grained, quartzitic, silty, very glauconitic, slightly sideritic, calcareous in part, friable in part, with shaly partings. No shows. Rare sandstone, light buff, very fine grained, to siltsize, quartzitic, slightly calcareous, dense. Rare ironstone.
2880 - 2890'	60% Shale, as above. 40% Sandstone, light grey-buff, fine to very fine grained, quartzitic, silty, very glauconitic, slightly sideritic, slightly calcareous, with rare carbonaceous partings, dense, with sandstone, medium grey, fine grained, glauconitic, shaly, dense.
2890 - 2900'	80% Shale, as above. 20% Sandstone, white, fine grained, quartzitic, silty, glauconitic, slightly calcareous, slightly friable, essentially dense with sandstone, white, very fine grained to siltsize, slightly calcareous, argillaceous in part, dense.
2900 - 2910'	70% Sandstone, light buff, fine grained, very glauconitic, quartzitic, silty, calcareous, micaceous, slightly carbonaceous, dense. 30% Shale, medium to dark grey, slightly micro-micaceous, blocky, slightly sandy.
2910 - 2920'	80% Sandstone, as above, with sandstone, medium grey, fine grained, very glauconitic, silty, shaly in part, dense. 20% Shale, as above, rarely glauconitic. Rare siltstone, dark brown, glauconitic in part, with carbonaceous partings, shaly in part, dense. Trace of pyrite, rarely glauconitic.
2920 - 2930'	80% Shale, dark grey, blocky, micro-micaceous, in part, silty in part, slightly glauconitic. 20% Sandstone, as above. Rare ironstone, and pyrite.
2930 - 2940'	80% Shale, dark grey to black, micro-micaceous, blocky, slightly fissile, rarely silty and glauconitic. 20% Sandstone, grey-brown, fine grained, silty, glauconitic, slightly shaly, dense. Rare sandstone, grey-white, very fine grained to siltsize, quartzitic, glauconitic, slightly calcareous.

2930 - 2940' (Continued)	Rare sandstone, grey-brown, fine grained, silty, glauconitic slightly shaly, dense. Rare pyrite.
2940 - 2950'	70% Sandstone, as above, becoming more calcareous. 20% Shale, dark brown, micro-micaceous, silty, flaky, with shale, as above. Minor siltstone, medium brown, rarely calcareous, dense. Minor sandstone, grey-brown, fine to very fine grained, silty, glauconitic in part, argillaceous to shaly, dense. 10% Ironstone. Rare shell fragments.
2950 - 2960'	70% Sandstone, as above. 20% Shale, dark brown, as above. 10% Ironstone, as above. Minor siltstone, as above.
2960 - 2970'	70% Shale, dark grey to black, slightly micro-micaceous, with trace of shale, dark brown, as above, slightly glauconitic. Rare medium grey waxy shale. 25% Sandstone, medium grey, fine grained, slightly calcareous with shale intercalations, dense, with minor sandstone, light grey, fine grained, quartzitic, vitreous, dense. 5% Sandstone, white, fine grained, quartzose, calcareous, slightly glauconitic, slightly carbonaceous, friable, slight trace of porosity.
2970 - 2980'	90% Shale, dark grey to black, blocky, slightly micro-micaceous, rarely glauconitic. 10% Sandstone, grey-white, fine grained, quartzitic, silty, glauconitic, calcareous in part, with trace of carbonaceous partings. Rare sandstone, medium to light grey-green, fine grained, slightly shaly, with rare carbonaceous flecks, rarely sideritic.
2980 - 2990'	100% Shale, dark grey to black, blocky, with shale, light grey, micro-micaceous, slightly waxy, blocky.
2990 - 3000'	90% Shale, light grey, micro-micaceous, blocky, slightly fissile, with shale, medium grey, micro-micaceous, blocky, slightly fissile. Rare shale, dark grey, micro-micaceous in part, glauconitic in part. 10% Sandstone, grey-green, fine grained, quartzitic, silty in part, calcareous in part, with rare rose quartz fragments dense. Pyrite. Rare pyritized fossil fragments.
3000 - 3010'	90% Shale, light grey to slightly grey-green, micro-micaceous slightly waxy, with trace of carbonaceous flecks. 10% Sandstone, as above. Pyrite.

IMPERIAL 3000' (+1988')

3010 - 3020'	100% Shale, light to medium grey, micro-micaceous, slightly silty, with trace of carbonaceous flecks. Minor sandstone, as above. Pyrite.
3020 - 3030'	100% Shale, as above. Rare sandstone, as above. Rare pyrite.
3030 - 3040'	100% Shale, light grey as above with slight waxy appearance. slightly sandy, blocky, with rare shale, medium brown, blocky.
3040 - 3050'	100% Shale, light to medium grey, micro-micaceous, rarely silty, blocky. Minor sandstone, grey-green, fine grained, silty, quartzitic, slightly carbonaceous, calcareous in part, dense. Trace of pyrite.
3050 - 3060'	100% Shale, light grey to medium grey, as above. Sandstone, as above. Rare pyrite. Pyritized bone fossil noted.
3060 - 3070'	90% Shale, light grey, silty in part, carbonaceous, blocky, micro-micaceous. 10% Sandstone, grey-green, fine grained, silty, micaceous, quartzitic, slightly calcareous, dense. Rare pyrite clusters.
3070 - 3080'	90% Shale, as above. 10% Sandstone, grey-green, fine grained, calcareous in part, with rare fossil fragments noted, dense, intercalated with light grey shale, with sandstone, grey-green, fine to very fine grained, quartzitic, silty, slightly calcareous, dense.
3080 - 3090'	100% Shale, as above. Minor sandstone, as above.
3090 - 3100'	100% Shale, as above. Rare sandstone, grey-green, fine grained, as above.
3100 - 3110'	100% Shale, light grey, blocky, with rare carbonaceous flecks, rarely silty.
3110 - 3120'	90% Shale, as above, rarely waxy in appearance. 10% Sandstone, grey-green, fine grained, quartzitic, silty, with trace of carbonaceous flecks, calcareous in part, micaceous in part, dense.
3120 - 3140'	90% Shale, light to medium grey, micro-micaceous, blocky, slightly carbonaceous. 10% Sandstone, as above.

3140 - 3160'	90% Shale, light to medium grey, very micro-micaceous, blocky, with trace of carbonaceous flecks. 10% Sandstone, grey-green to grey, fine to very fine grained, silty, quartzitic, slightly shaly, rarely calcareous, rare carbonaceous flecks, dense.
3160 - 3170'	90% Shale, as above. 10% Sandstone, medium grey to grey-green, fine to very fine grained, quartzitic, rarely calcareous, intercalated with medium grey shale, dense.
3170 - 3180'	70% Shale, as above. 20% Sandstone, medium to light grey to grey-green, fine grained, quartzitic, silty, slightly glauconitic, rarely calcareous, with trace of carbonaceous flecks, rarely shaly partings. 10% Siltstone, medium to dark grey, slightly argillaceous, dense.
3180 - 3190'	70% Shale, medium to light grey, very silty, to slightly sandy, micro-micaceous, slightly carbonaceous. 20% Sandstone, medium to light grey-green, fine grained, quartzitic, silty, rarely glauconitic, rarely calcareous, slightly argillaceous. 10% Siltstone, light grey, argillaceous, slightly micaceous.
3190 - 3200'	90% Shale, medium to light grey, as above. 10% Sandstone, as above.
3200 - 3210'	95% Shale, light to medium grey, blocky, micro-micaceous, slightly silty, with carbonaceous flecks with trace of shale, black, slightly glauconitic. 5% Sandstone, medium grey to grey-green, fine grained, quartzitic, silty, slightly micaceous, grading shaly in part, dense. Rare pyrite.
3210 - 3220'	As above.
3220 - 3230'	As above. Rare black bituminous shale.
3230 - 3240'	100% Shale, as above. Rare sandstone, as above. Poor sample - abundant cavings.
3240 - 3250'	As above.
3250 - 3260'	As above.
3260 - 3270'	100% Shale, light to dark grey, blocky, micro-micaceous, silty in part. Shale, black, micro-micaceous, blocky.
3270 - 3280'	80% Shale, as above, with trace of dark brown, micro-micaceous, shale. 10% Sandstone, dark brown, fine grained, carbonaceous, shaly, dense.

3270 - 3280' (Continued)	10% Siltstone, dark brown, micro-micaceous, shaly.
3280 - 3290'	90% Shale, light to medium grey, blocky, micro-micaceous, slightly carbonaceous. 10% Sandstone, light to medium grey, fine grained, silty, slightly shaly, rarely fossiliferous, slightly calcareous, rarely glauconitic, dense.
3290 - 3300'	80% Shale, as above. Shale, dark brown, slightly carbonaceous, slightly bituminous micro-micaceous. 20% Sandstone, medium grey to grey-brown, fine to very fine grained, quartzitic, silty, rarely calcareous, and glauconitic, rarely carbonaceous.
3300 - 3310'	100% Shale, as above. Minor sandstone, as above.
3310 - 3320'	As above.
3320 - 3330'	100% Shale, light to medium grey, blocky, slightly micro-micaceous, slightly silty, with trace of carbonaceous flecks. Rare sandstone, as above.
3330 - 3340'	As above.
3340 - 3350'	100% Shale, light to medium grey, as above. Rare sandstone, medium grey, very fine grained, silty, shaly, slightly carbonaceous, dense.
3350 - 3360'	100% Shale, as above.
3360 - 3370'	100% Shale, light to medium grey, micro-micaceous, blocky, slightly silty.
3370 - 3380'	100% Shale, as above. Rare sandstone, medium grey, fine to very fine grained, silty, quartzitic, slightly carbonaceous, slightly shaly, rarely calcareous, dense.
3380 - 3390'	100% Shale, as above. Minor sandstone, as above, grading to siltstone, slightly argillaceous.
3390 - 3400'	100% Shale, medium to light grey, blocky, micro-micaceous, rarely carbonaceous. Rare sandstone, as above.
3400 - 3410'	90% Shale, as above. 10% Sandstone, medium grey to slightly grey-green, fine to very fine grained, quartzitic, silty, micro-micaceous, slightly calcareous, slightly carbonaceous, with shale intercalations.

3410 - 3420'	As above.
3420 - 3440'	70% Shale, as above, becoming slightly fissile. 30% Sandstone, medium grey, fine to very fine grained, as above, with sandstone, brown and white, with rare quartz grains, slightly glauconitic, calcareous, rarely fossiliferous, dense.
3440 - 3450'	100% Shale, light and dark grey, micro-micaceous, slightly flaky. Rare sandstone,as above.
3450 - 3460'	80% Shale, as above. 20% Sandstone, medium grey to slightly grey-green, fine to very fine grained, with scattered orange quartz grains, silty, quartzitic, slightly calcareous, slightly friable, with intercalations of shale, dark grey, slightly carbonaceous, micro-micaceous, dense.
3460 - 3470'	As above.
3470 - 3480'	80% Shale, as above. 20% Sandstone, medium grey to grey-green, as above, with sandstone, light grey, very fine grained, to siltsize, argillaceous in part, slightly carbonaceous, slightly friable, dense.
3480 - 3490'	80% Shale, dark grey to black, blocky, micro-micaceous. 20% Sandstone, medium grey to grey-green, fine to very fine grained, sitly, slightly argillaceous, carbonaceous, slightly calcareous, rarely glauconitic, dense.
3490 - 3500'	As above. Poor sample - abundant cavings.
3500 - 3520'	70% Shale, as above, rarely fissile, slightly silty. 20% Sandstone, light to medium grey to grey-green, fine to very fine grained, rarely glauconitic, slightly calcareous, with intercalations of light grey, slightly carbonaceous micro-micaceous shale. 10% Siltstone, light grey, argillaceous, calcareous in part, dense.
3520 - 3530'	As above. Poor sample - abundant cavings.
3530 - 3540'	80% Shale, dark grey to black, blocky, micro-micaceous. 20% Sandstone, light grey, fine to very fine grained, siltsize, slightly glauconitic, calcareous in part, micro-micaceous, argillaceous in part, dense with sandstone, medium grey, fine grained, silty, quartzitic, with scattered orange quartz grains, calcareous in part, rarely glauconitic, dense.
3540 - 3550'	As above.

3550 - 3560'	100% Shale, dark grey, blocky, micro-micaceous. Rare sandstone, as above. Abundant cavings.
3560 - 3570'	As above.
3570 - 3580'	100% Shale, grey to black, blocky, micro-micaceous. Abundant cavings. Poor sample.
3580 - 3590'	As above. Rare pyrite.
3590 - 3600'	90% Shale, medium to dark grey, blocky, micro-micaceous, slight trace of carbonaceous flecks, slightly silty. 10% Sandstone, medium grey to grey-green, fine grained, silty, slightly glauconitic, slightly shaly to argillaceous, calcareous in part, dense.
3600 - 3610'	100% Shale, as above.
3610 - 3620'	90% Shale, medium to dark grey, as above. 10% Sandstone, light to medium grey to grey-green, fine to very fine grained, silty, rarely carbonaceous, slightly calcareous, slightly argillaceous, dense.
3620 - 3630'	90% Shale, as above. Rare shale, black, with polished surfaces. 10% Sandstone, as above. Occasional chip shows intercalations of dark grey shale.
3630 - 3640'	80% Shale, as above. 20% Sandstone, light to medium grey to slightly grey-green, very fine grained, silty, rarely carbonaceous, rarely chloritic, dense, with shaly partings.
3640 - 3650'	100% Shale, medium to dark grey, micro-micaceous, blocky, rarely silty. Rare sandstone, as above.
3650 - 3660'	95% Shale, as above, silty in part, rarely carbonaceous flecked. 5% Sandstone, as above.
3660 - 3670'	95% Shale, as above, with shale, light grey, slightly flaky, micro-micaceous, slightly silty. 5% Sandstone, light to medium grey to grey-green, fine to very fine grained, silty, rarely glauconitic, rarely calcareous, essentially non calcareous, dirty, dense.
3670 - 3680'	80% Shales, as above. 20% Sandstone, light grey to light grey-green, fine grained, quartzitic, silty, with scattered orange quartz grains, rarely calcareous, slightly carbonaceous, dense, with minor sandstone, as above. Rare sandstone, medium grey-green, shaly, slightly carbonaceous, dense.

3680 - 3690'
90% Shale, medium to dark grey, blocky, micro-micaceous, intercalated with very fine grained, sandstone to siltstone laminae.
10% Sandstone, medium grey to grey-green, as above, micro-micaceous in part, dense.

3690 - 3700'
90% Shale, as above.
10% Sandstone, as above.
Poor sample after tight hole on trip.

3700 - 3710'
90% Shale, medium to dark grey, blocky, micro-micaceous.
10% Sandstone, light to medium grey, to grey-green, fine to very fine grained, silty, micro-micaceous, with traces of carbonaceous inclusions, slightly shaly, dense.

3710 - 3720'
90% Shale, as above.
10% Sandstone, as above.
Poor sample many cavings.

3720 - 3730'
Shale and sandstone, as above.
Rare ironstone.

3730 - 3740'
85% Shale, dark grey, blocky, slightly micro-micaceous.
15% Sandstone, light to medium grey to grey-green, fine grained, silty, slightly carbonaceous, with traces of shale intercalations, dense.
Rare pyrite.

3740 - 3750'
70% Shale, as above.
30% Sandstone, light to medium grey and grey-green, fine grained, silty, slightly shaly, carbonaceous in part, micro-micaceous, dense.
Rare pyrite.

3750 - 3760'
60% Shale, medium to dark grey, blocky, slightly micro-micaceous, silty in part.
40% Sandstone, light to medium grey, fine to very fine grained, silty in part, calcareous in part, slightly argillaceous, carbonaceous, rare fossil fragments, dense.
Rare pyrite.

3760 - 3770'
70% Shale, as above.
30% Sandstone, cream-white, fine grained, silty, very calcareous, with occasional orange quartz grains, slightly friable, with sandstone, as above.
Rare pyrite.

3770 - 3780'
70% Shale, dark grey, blocky, micro-micaceous in part, slightly silty.
30% Sandstone, light grey, fine to very fine grained, silty, argillaceous in part, dense, with sandstone, cream to white as above.
Rare pyrite.

3780 - 3790'	60% Shale, as above. 40% Sandstone, cream to light buff, fine grained, silty, with scattered orange quartz grains, sub-angular to sub-round, fairly well sorted, calcareous, slightly friable, essentially dense, rare fossiliferous, with sandstone, medium grey to slightly grey-green, fine to very fine grained, grading to siltstone, slightly carbonaceous, argillaceous in part, dense.
3790 - 3800'	60% Shale, dark grey, micro-micaceous, slightly silty. 40% Sandstone, as above Trace of siltstone, medium grey, very shaly.
3800 - 3810'	50% Shale, as above. 40% Sandstone, light to medium grey, fine to very fine grained, silty in part, calcareous in part, rarely carbonaceous, slightly argillaceous, micaceous, dense. 10% Sandstone, cream to light grey-buff, fine grained, silty, very calcareous, micaceous, with rare fossil fragments, rare carbonaceous fragments, dense. Trace of sandstone, grey-green, fine grained, silty, shaly, slightly glauconitic, dense.
3810 - 3820'	60% Shale, dark grey, blocky to slightly splintery, slightly micro-micaceous. 40% Sandstone, light to medium grey, as above, with sandstone, cream to buff, as above, with fossil fragments. Rare pyrite.
3820 - 3830'	100% Shale, dark grey to black, splintery, slightly micro-micaceous. Rare fossil fragments and pyrite. Rare sandstone, as above.
3830 - 3840'	90% Shale, as above. 10% Sandstone, light to medium grey to grey-green, fine to very fine grained, silty, micro-micaceous, slightly shaly, dense. Rare fragments of chalky limestone.
3840 - 3850'	90% Shale, dark grey to black, splintery to blocky, slightly micro-micaceous. 10% Sandstone, light to medium grey to grey-green, as above, with trace of sandstone, grey-brown, fine grained, silty, slightly glauconitic. Rare fossil fragments and pyrite.
3850 - 3860'	100% Shale, dark grey to black, blocky, rarely micro-micaceous slightly splintery, rarely fossiliferous. Rare ironstone.
3860 - 3870'	100% Shale, as above, with rare shale, medium grey, glauconitic. Rare sandstone, light grey to grey-green, fine grained, silty, slightly carbonaceous, dense. Trace of fossil fragments.

3870 - 3880'	90% Shale, dark grey to black, as above. 10% Sandstone, light grey to grey-green, silty, rare carbonaceous flecks and rare orange quartz grains, well sorted, dense. Trace of fossil fragments.
3880 - 3890'	As above.
3890 - 3900'	50% Shale, dark grey to black, slightly micro-micaceous, rarely silty. 50% Sandstone, light grey to slightly grey-green, fine to very fine grained, silty, rarely calcareous, with carbonaceous specks, scattered orange quartz grains, rarely friable, slightly argillaceous, with shale intercalations, dense.
3900 - 3910'	50% Shale, as above. 50% Sandstone, light grey to grey-green as above and minor sandstone, light brown, fine grained, quartzitic, silty, calcareous in part, slightly carbonaceous, slightly argillaceous, friable in part.
3910 - 3920'	60% Sandstone, light grey, fine to very fine grained, silty, with scattered fine orange quartz grains, fairly well sorted, slightly argillaceous, calcareous in part, micro-micaceous in part, rare carbonaceous specks, slightly friable, essentially dense. 40% Shale, as above.
3920 - 3930'	60% Sandstone, light grey as above, with sandstone, rusty brown, very fine grained, silty, slightly calcareous, argillaceous, slightly friable, essentially dense. Trace of sandstone, medium to dark grey, fine grained, silty, micaceous, slightly argillaceous, dense. 40% Shale, dark grey to black, blocky.
3930 - 3940'	70% Sandstone, light to medium grey, fine to very fine grained, quartzitic, silty, fairly well sorted, with scattered fine orange quartz grains, calcareous in part, slightly carbonaceous, argillaceous in part, slightly friable, essentially dense. Minor sandstone, grey-buff, fine grained, quartzitic, silty, with scattered fine orange quartz grains, slightly calcareous, slightly friable, essentially dense. 30% Shale, as above.
3940 - 3950'	70% Shale, dark grey, blocky, slightly micro-micaceous, silty in part. 30% Sandstone, as above.
3950 - 3960'	60% Shale, as above. 40% Sandstone, light grey to light grey-buff, fine to very fine grained, silty, micaceous, slightly calcareous, slightly carbonaceous, argillaceous in part, occasional fragments of green shale, slightly friable, essentially dense.

3960 - 3970'	70% Sandstone, as above, with minor sandstone, dark grey-green, fine grained, shaly in part, with trace of fossil fragments, dense. 30% Shale, dark grey, blocky, micro-micaceous, silty in part.
3970 - 3980'	90% Sandstone, as above. 10% Shale, as above.
3980 - 3990'	90% Sandstone, light grey, fine to very fine grained, grading to grey-green, silty, slightly argillaceous, slightly calcareous, slightly micaceous, carbonaceous in part, with scattered fine orange quartz grains, fairly well sorted, dense. 10% Shale, as above.
3990 - 4000'	90% Sandstone, light grey, fine to very fine grained, silty, calcareous, argillaceous in part, slightly carbonaceous, with rare shale intercalations, slightly friable, essentially dense, with rare sandstone, grey-brown, fine grained, quartzitic, with carbonaceous pellets, slightly calcareous, rarely friable, faint poor leached cut. 10% Shale, as above.
4000 - 4010'	80% Sandstone, as above, with sandstone, white, fine grained, calcareous, with carbonaceous pellets, faint cut, slightly friable. 20% Shale, dark grey, blocky, slightly micro-micaceous. Rare fragments of coal.
4010 - 4020'	80% Sandstone, light grey to grey-green, fine to very fine grained, silty, slightly argillaceous, calcareous in part, rarely carbonaceous, rarely friable, essentially dense, with rare sandstone, white, fine grained, calcareous, with carbonaceous pellets, as above. 20% Shale, dark grey to black, blocky, micro-micaceous in part, rarely silty. Rare fossil fragments
4020 - 4030'	Sandstone, and shale, as above. Rare fragments of coal.
4030 - 4040'	80% Sandstone, as above. 20% Shale, as above. Rare coal, slightly sandy and pyritic.
4040 - 4050'	80% Sandstone, light grey to grey-green, as above, becoming more calcareous, with trace of sandstone, grey to slightly grey-buff, fine grained, silty, rarely glauconitic, calcareous, slightly argillaceous, slightly friable, essentially dense. 20% Shale, as above. Rare fossil fragments.

4050 - 4060'	70% Sandstone, as above. 20% Shale, as above. 10% Siltstone, medium brown, grading to very fine grained sandstone, slightly calcareous, dense. Rare pyrite and ironstone.
4060 - 4070'	80% Sandstone, grey, fine to very fine grained, silty, slightly argillaceous, calcareous in part, micaceous, rarely friable, essentially dense, with rare sandstone, brown, very fine grained to siltsize, silty, slightly argillaceous dense. 20% Shale, dark grey to black, blocky, micro-micaceous, slightly silty. Rare pyrite.
4070 - 4080'	80% Sandstone, light grey as above, with minor sandstone, medium to dark brown, fine to very fine grained, very silty, slightly calcareous, grading to siltstone, slightly argillaceous. 20% Shale, dark grey to black, blocky, slightly micro-micaceous, rarely splintery.
4080 - 4090'	Shale and sandstone, as above. Rare ironstone and pyrite.
4090 - 4100'	90% Sandstone, light grey, fine to very fine grained, fairly well sorted, silty in part, slightly calcareous, with carbonaceous specks, rarely glauconitic, shaly in part, dense. 10% Shale, dark grey to black, blocky, slightly micro-micaceous. Rare ironstone.
4100 - 4110'	As above. Trace of pyrite.
4110 - 4120'	Sandstone, as above. Shale, as above. Poor sample after tripping.
4120 - 4130'	80% Sandstone, light to medium grey, to grey-green, fine grained, silty, slightly calcareous to non-calcareous, slightly carbonaceous, micaceous in part, slightly friable, essentially dense. 20% Shale, dark grey to black, slightly micro-micaceous. Trace of pyrite.
4130 - 4140'	80% Sandstone, as above, with trace of sandstone, medium brown, very fine grained, to siltsize, shaly in part, calcareous, dense. 20% Shale, dark grey to black, micro-micaceous, slightly carbonaceous.
4140 - 41 0'	80% Sandstone, light to medium grey to grey-green, as above, shaly in part. 20% Shale, as above.

4150 - 4160'	80% Sandstone, light grey to grey-green, as above, with sandstone, medium grey-brown, fine to very fine grained, silty grading to siltstone, slightly shaly, slightly carbonaceous, non calcareous, dense. 20% Shale, dark grey to black, blocky, slightly carbonaceous micro-micaceous, with trace of shale, medium grey, blocky, slightly silty.
4160 - 4190'	90% Sandstone, light grey to medium grey to grey-green, fine to very fine grained, silty, slightly argillaceous with trace of shale laminae, slightly carbonaceous, dense. 10% Shale, as above.
4190 - 4210'	90% Sandstone, light to medium grey to slightly grey-green fine to very fine grained, calcareous in part, slightly argillaceous, with trace of carbonaceous particles, rare partings, dense. 10% Shale, as above, slightly silty. Rare pyrite.
4210 - 4220'	As above.
4220 - 4240'	90% Sandstone, light to medium grey, as above, with sandstone, grey-brown, fine to very fine grained, silty in part, shaly in part, slightly calcareous, rarely carbonaceous, slightly friable, essentially dense. 10% Shale, as above. Rare fragments of coal.
4240 - 4260'	90% Sandstone, as above with minor shale intercalations. 10% Shale, dark grey, blocky, slightly silty, slightly micro-micaceous.
4260 - 4270'	100% Sandstone, light to medium grey, fine to very fine grained, silty, well sorted, slightly argillaceous, calcareous in part, slightly glauconitic, slightly carbonaceous, micaceous in part, with rare orange fine quartz grains, slightly friable, essentially dense, with minor dark grey silty shale intercalations and rare sandstone, medium brown, very fine grained, silty, rarely glauconitic, rarely carbonaceous, calcareous in part, slightly friable, essentially dense. Rare shale, as above.
4270 - 4280'	90% Sandstone, as above. 10% Shale, dark grey, blocky, silty in part, slightly micro-micaceous. Rare fossil fragments on edges of chips of sandstone, cream to buff, fine grained, silty, dense.
4280 - 4290'	Sandstone and shale, as above. Rare pyrite.

4290 - 4300'	60% Sandstone, light grey to slightly grey-green, fine to very fine grained, silty, slightly argillaceous, micaceous in part, slightly calcareous, slightly carbonaceous, rarely glauconitic, slightly fissile, essentially dense, rare intercalations of dark grey shale. 30% Sandstone, dark grey to grey-brown, fine grained, silty, slightly calcareous, slightly shaly, micaceous, calcareous in part, dense. 10% Shale, as above. Trace of siltstone, medium to dark brown, argillaceous, slightly calcareous.
4300 - 4310'	As above.
4310 - 4320'	90% Sandstone, medium grey to grey-green, fine grained, silty, slightly argillaceous, slightly calcareous, shaly in part, micro-micaceous, slightly carbonaceous, slightly glauconitic, rarely friable, essentially dense, with sandstone, as above. 10% Shale, dark grey to black, blocky, micro-micaceous, rarely silty.
4320 - 4330'	70% Sandstone, light to medium grey to grey-green, as above, with sandstone, medium brown, very fine grained, silty, slightly calcareous, friable in part, essentially dense. Minor sandstone, buff, very fine grained, slightly silty, calcareous, fossiliferous in part (brachiopods)? dense. 30% Shale, dark grey to rare black, blocky, slightly micro-micaceous.
4330 - 4340'	60% Sandstone, as above. 40% Shale, medium to dark grey, blocky, micro-micaceous, slightly silty.
4340 - 4350'	As above. Rare pyrite.
4350 - 4360'	60% Shale, dark grey, blocky, micro-micaceous, slightly silty. 40% Sandstone, light grey to grey-brown, and medium brown, fine to very fine grained, silty, rarely glauconitic, slightly argillaceous, grading slightly shaly, micaceous, rarely friable, essentially dense. Rare fossil fragments. Rare ironstone.
4360 - 4370'	90% Shale, dark grey to black, and slightly brown, blocky, micro-micaceous, silty. 10% Sandstone, as above.
4370 - 4380'	70% Shale, as above. 30% Sandstone, light grey to medium grey to grey-green, fine grained, silty, rarely calcareous, slightly argillaceous micaceous, dense, with minor sandstone, buff to brown, fine grained, silty, slightly calcareous, slightly micaceous, slightly friable, essentially dense.

4380 - 4390'	70% Shale, as above. 30% Sandstone, as above, with rare sandstone, light buff, fine grained, quartzitic, very glauconitic, sub-round, slightly calcareous, poorly sorted, friable, rare porosity?
4390 - 4400'	70% Shale, as above. 30% Sandstone, light to medium grey to grey-green, fine grained, silty, slightly argillaceous, rarely glauconitic, slightly calcareous, rarely friable, essentially dense.
4400 - 4410'	60% Shale, dark grey, blocky, micro-micaceous. 40% Sandstone, medium grey, fine to very fine grained, micro-micaceous, rarely calcareous, very shaly, dense, with minor sandstone, light grey and brown, as above.
4410 - 4420'	90% Shale, dark grey, slightly micro-micaceous, blocky, slightly silty. 10% Sandstone, as above.
4420 - 4430'	90% Shale, as above, slightly carbonaceous. 10% Sandstone, as above.
4430 - 4440'	100% Shale, dark grey, blocky, micro-micaceous, in part, rarely carbonaceous. Rare sandstone, as above.
4440 - 4450'	100% Shale, dark grey, blocky, micro-micaceous, slightly flaky, slightly silty, with shale, black, blocky, rarely micro-micaceous.
4450 - 4460'	100% Shale, dark grey, blocky, micro-micaceous, silty, slightly carbonaceous. Rare sandstone, medium grey, fine grained, dense.
4460 - 4470'	As above. Rare ironstone.
4470 - 4480'	100% Shale, dark grey, blocky, micro-micaceous, slightly silty, slightly carbonaceous. Minor sandstone, as above.
4480 - 4490'	100% Shale, as above. Minor sandstone, as above.
4490 - 4500'	100% Shale, as above. Minor sandstone, medium grey, fine to very fine grained, slightly silty, slightly carbonaceous. Rare shale, dark green, slightly waxy.
4500 - 4510'	100% Shale, dark grey, blocky, micro-micaceous, slightly silty, slightly carbonaceous, with rare shale, dark green, slightly waxy. Rare sandstone, as above. Occasional pyrite.

4510 - 4520'	90% Shale, as above. 10% Sandstone, medium grey to slightly grey-green, very fine grained, to siltsize, with rare shale intercalations, argillaceous in part, rarely calcareous, micaceous, dense.
4520 - 4530'	100% Shale, as above. Minor sandstone, as above.
4530 - 4540'	70% Shale, as above, very silty. 30% Sandstone, medium grey, very fine grained, grading to siltsize, silty, slightly argillaceous, micaceous, with shaly partings, dense.
4540 - 4550'	80% Shale, dark grey, blocky, micro-micaceous, very silty (siltstone intercalations). 20% Sandstone, as above. Rare pyrite.
4550 - 4560'	80% Shale, as above, silty. 20% Sandstone, medium grey to slightly grey-green, very fine grained, silty, slightly calcareous, slightly carbonaceous, micaceous in part, rarely glauconitic, dense.
4560 - 4570'	100% Shale, dark grey, micro-micaceous, blocky, with rare lenses of grey-green sandstone, fine grained, glauconitic. Minor sandstone, as above.
4570 - 4580'	100% Shale, as above, with trace of shale, black, fissile. Minor sandstone, as above. Rare ironstone, and pyrite.
4580 - 4590'	Shale, as above. Sandstone, as above.
4590 - 4600'	As above. Rare pyrite.
4600 - 4620'	100% Shale, as above. Rare sandstone, as above. Rare fossil fragments.
4620 - 4660'	100% Shale, medium to dark grey, blocky, to slightly fissile slightly silty, with rare carbonaceous specks, rare fossil fragments. Rare sandstone, as above.
4660 - 4670'	100% Shale, medium to dark grey, micro-micaceous, rarely silty, with rare carbonaceous flecks, blocky, with rare shale, black, blocky,slightly micro-micaceous.
4670 - 4680'	100% Shale, as above.
4680 - 4700'	100% Shale, dark grey, blocky, rare carbonaceous flecks.
4700 - 4730'	100% Shale, dark grey as above, with shale, black, blocky, rarely fissile, rarely micro-micaceous.

4730 - 4740'	100% Shale, dark grey, micro-micaceous, blocky, with rare shale, black, as above. Rare pyrite.
4740 - 4750'	100% Shale, medium to dark grey, as above, with shale, black, blocky, slightly micro-micaceous. Rare shale, brown, slightly flaky, slightly micro-micaceous.
4750 - 4760'	100% Shale, medium to dark grey and black, as above.
4760 - 4770'	100% Shale, as above, with rare shale, dark grey-green, micro-micaceous, blocky.
4770 - 4780'	100% Shale, as above.
4780 - 4810'	100% Shale, medium to dark grey, blocky, micro-micaceous, with minor shale, black, blocky, rarely micro-micaceous.
4810 - 4840'	100% Shale, medium grey as above.
4840 - 4870'	100% Shale, medium to dark grey, micro-micaceous, blocky, rare fine disseminated pyrite.
4870 - 4880'	100% Shale, medium to dark grey as above, very rare fossil fragments
4880 - 4890'	100% Shale, medium to dark grey, blocky, micro-micaceous in part, with rare fossil fragments. Rare ironstone.
4890 - 4920'	100% Shale, medium to dark grey as above. Rare fossil fragments.
4920 - 4940'	100% Shale, medium to dark grey as above, with rare fossil fragments, rarely fissile. Rare pyrite.
4940 - 4950'	100% Shale, medium to dark grey, to rare black, micro-micaceous, slightly fissile, essentially blocky.
4950 - 4960'	100% Shale, medium to dark grey as above, with shale, medium brown, slightly calcareous and bituminous, with rare shale, black to dark brown. Siltstone, medium brown, slightly dolomitic, slightly carbonaceous, dense.
4960 - 4970'	100% Shale, medium to dark grey, micro-micaceous in part, blocky, with minor shale, black, micro-micaceous, silty.
4970 - 4980'	100% Shale, medium to dark grey, as above, rarely silty, with shale, black, slightly silty, rarely micro-micaceous.
4980 - 4990'	100% Shale, as above.
4990 - 5010'	100% Shale, as above.
5010 - 5020'	100% Shale, medium to dark grey, micro-micaceous in part, blocky. Minor siltstone, medium brown, calcareous.

5020 - 5030'	100% Shale, as above. Rare siltstone, medium brown, slightly dolomitic to calcareous.
5030 - 5040'	100% Shale, as above.
5040 - 5050'	100% Shale, as above. Rare siltstone, light brown, slightly calcareous. Rare ironstone.
5050 - 5060'	100% Shale, as above.
5060 - 5070'	100% Shale, as above. Rare ironstone.
5070 - 5080'	100% Shale, medium to dark grey, blocky, micro-micaceous. Rare ironstone.
5080 - 5090'	As above.
5090 - 5100'	100% Shale, medium to dark grey, blocky, micro-micaceous.
5100 - 5120'	100% Shale, medium to dark grey as above, rarely splintery, with rare shale, light grey, micro-micaceous, slightly flaky, occasionally dolomitic. Rare ironstone.
5120 - 5130'	100% Shale, medium to dark grey, micro-micaceous, blocky, rarely flaky to splintery. Rare ironstone.
5130 - 5140'	100% Shale, as above.
5140 - 5150'	100% Shale, medium to dark grey, blocky, micro-micaceous.
5150 - 5160'	100% Shale, medium to dark grey as above, slightly flaky.
5160 - 5170'	100% Shale, as above. Rare siltstone, medium to dark grey-brown, shaly.
5170 - 5180'	As above.
5180 - 5190'	100% Shale, medium to dark grey, blocky, micro-micaceous. Rare ironstone.
5190 - 5200'	100% Shale, as above. Rare ironstone. Rare siltstone, dark brown, shaly.

CANOL 5200' (-4188')

5200 - 5210'	100% Shale, dark brown, silty, bituminous, blocky, rarely fissile, micro-micaceous, rarely dolomitic. Minor siltstone, dark brown, shaly, micaceous.

5210 - 5220'	100% Shale, dark brown to black, silty in part, bituminous, rarely dolomitic. Minor siltstone, as above.
5220 - 5230'	100% Shale, as above, with shale, medium grey, micro-micaceous, blocky. Trace of siltstone, dark brown, bituminous, shaly, rarely dolomitic.
5230 - 5240'	90% Shale, as above. 10% Siltstone, medium to dark brown, shaly, slightly dolomitic, dense.
5240 - 5250'	100% Shale, medium to dark brown, as above, slightly silty, rarely dolomitic, very bituminous with shale, medium grey, micro-micaceous, blocky. Rare siltstone, as above.
5250 - 5260'	90% Shale, dark brown to black, slightly silty, rarely dolomitic, with shale, medium grey. as above. 10% Siltstone, medium to dark brown, bituminous, shaly, slightly dolomitic, dense.
5260 - 5270'	100% Shale, dark brown to black, very bituminous, as above, with black shale, silty. Minor siltstone, as above.
5270 - 5280'	As above.
5280 - 5290'	100% Shale, dark grey to black, slightly bituminous, silty, brittle in part, with minor shale, dark brown, as above. Minor siltstone, as above. Rare pyrite.
5290 - 5300'	As above.
5300 - 5310'	Shale, as above. Rare siltstone, dark brown, shaly.
5310 - 5320'	100% Shale, grey to black, micro-micaceous, slightly silty, bituminous in part, slightly brittle. Rare pyrite.
5320 - 5330'	100% Shale, as above. Rare siltstone, dark brown, shaly.
5330 - 5340'	As above.
5340 - 5350'	100% Shale, dark grey, micro-micaceous, blocky, with minor shale, dark brown to black, as above.
5350 - 5360'	100% Shale, dark grey, micro-micaceous, slightly silty, micro-micaceous, blocky, slightly brittle. Rare pyrite.
5360 - 5370'	100% Shale, as above with shale, dark brown, to black, bituminous in part, silty, blocky, brittle. Trace of siltstone, dark brown.

5370 - 5380' 100% Shale, dark brown to black, as above, rarely fissile, with rare unidentified fossil remains.
Rare siltstone, dark brown, shaly, dense.

5380 - 5390' 100% Shale, medium to dark grey, micro-micaceous, blocky, with shale, dark brown, to black, bituminous, brittle.

5390 - 5400' 100% Shale, as above.

5400 - 5410' 100% Shale, medium to dark grey, as above, with minor shale, dark brown to black, bituminous, brittle.
Trace of siltstone, grey-brown, shaly in part.

5410 - 5420' 100% Shale, dark brown to black, micro-micaceous, with trace of coal, slightly pyritic.
Pyrite.

5420 - 5430' 100% Shale, dark grey, blocky, micro-micaceous, with minor shale, black to dark brown, as above.
Rare pyrite.

5430 - 5440' 100% Shale, as above.

HARE INDIAN 5445' (-1433')

5440 - 5450' 100% Shale, black, bituminous, slightly carbonaceous, rarely siliceous, micro-micaceous, slightly pyritic, blocky.

5450 - 5460' 100% Shale, black, bituminous, carbonaceous, slightly siliceous, micaceous, pyritic, with trace of shale, dark brown, to black, bituminous, with white specks.
Trace of siltstone, dark brown, dolomitic.
Trace of dolomite, dark brown, very finely crystalline, slightly carbonaceous.
Trace of chert, dark brown, to black, angular.

5460 - 5470' 100% Shale, as above.
Trace of dolomite, dark brown to black, siliceous.
Rare siltstone, medium brown, dolomitic.
Pyrite, as above.

5470 - 5480' 100% Shale, dark brown to black, bituminous, siliceous, in part, blocky.
Trace of dolomite, dark brown, siliceous (almost a chert), pyritic in part.
Trace of chert as above and pyrite.

5480 - 5490' 100% Shale, dark brown to black, bituminous, silty, micro-micaceous, siliceous, brittle, with shale, black, carbonaceous, with white spore cases and fine disseminated pyrite.
Minor chert black, as above.
Trace of dolomite, and siltstone, as above.

5490 - 5510' As above.

5510 - 5520' 100% Shale, dark brown, bituminous, blocky, calcareous in part, with shale, black, bituminous with coaly inclusions, very siliceous, minor veinlets of pyrite, brittle.

5520 - 5530'	100% Shale, as above, with rare inclusions of dark brown dolomite, coaly in part, pyritic in part, siliceous, brittle.
5530 - 5540'	100% Shale, as above. Rare dolomite, dark brown, siliceous in part, dense.
5540 - 5550'	100% Shale, black, bituminous, siliceous, micaceous, minor cracks infilled with secondary dolomite, pyrite veinlets noted, coaly partings, brittle. Minor dolomite, dark brown, very siliceous, hardness of chert. Trace pyrite. Chert, black.
5550 - 5570'	As above.
5570 - 5580'	100% Shale, as above, with minor inclusions of dolomite, siliceous, rare finely disseminated pyrite, almost hardness of chert. Occasional fragments of chert. Trace of pyrite.
5580 - 5590'	100% Shale, black, as above, with coaly partings with shale, dark brown, bituminous, with trace of white specks, calcareous. Trace of pyrite.
5590 - 5600'	100% Shale, black, as above. Shale, dark brown, bituminous, slightly calcareous, blocky, rare pyrite. Rare limestone, white and brown, calcarenite?
5600 - 5610'	100% Shale, as above. Pyrite increasing. Limestone, brown and white, pyritic in part, calcarenite.
5610 - 5620'	As above.
5620 - 5630'	Shale, as above. Trace of pyrite.
5630 - 5640'	100% Shale, as above Rare pyrite.
5640 - 5650'	As above.
5650 - 5660'	100% Shale, dark brown, bituminous, micro-micaceous, calcareous in part, rare white specks, blocky, becoming brittle, with minor shale, black, as above.
5660 - 5680'	100% Shales, as above.
5680 - 5690'	100% Shale, dark brown, micro-micaceous, rarely white specked, silty, blocky, with shale, black, micro-micaceous, bituminous, siliceous brittle.

5690 - 5700' 100% Shale, black, bituminous, with rare white specks, calcareous in part, slightly siliceous, with rare fragments very siliceous, grading to hardness of chert, with shale dark brown, as above.

5700 - 5710' 100% Shales, as above, with trace of coaly partings.

5710 - 5720' 100% Shale, as above, with shale, medium grey, micro-micaceous, blocky, possible cavings.
Rare pyrite.

5720 - 5730' 100% Shale, dark brown and black, bituminous, as above, with rare shale light grey to slightly grey-green, rarely calcareous, blocky.

5730 - 5740' 100% Shale, dark brown, as above, with shale, black, siliceous, bituminous, slightly micro-micaceous.

5740 - 5750' 100% Shale, as above.
Rare limestone, white and buff, calcarenitic in part.

5750 - 5760' 100% Shale, as above, with shale, dark brown, with rare white specks, calcareous.
Pyrite.

5760 - 5770' As above.

5770 - 5780' 100% Shale, dark brown and black, as above, slightly pyritic and silty, with shale, medium to dark grey to grey-brown, micro-micaceous, blocky.
Rare pyrite.

5780 - 5790' 100% Shale, as above, silty in part, blocky, slightly flaky.
Trace of siltstone, dark brown, slightly dolomitic, shaly.
Rare dolomite, dark brown, siliceous in part.
Pyrite, a trace.
Rare fragments of coal.

5790 - 5800' 100% Shale, as above.
Rare pyrite.
Rare limestone, white and brown, calcarenitic, fossiliferous.

5800 - 5810' 100% Shale, as above.
Rare limestone, as above.
Rare spines noted.

HUME 5810' (-4798')

5810 - 5820' 90% Limestone, medium brown, fine to slightly medium crystalline, with trace of fractures infilled with secondary calcite, dense.
Limestone, buff to cream, calcilutite to calcisiltite, with rare fossil fragments (ostracods).
Limestone, dark brown, finely crystalline, slightly dolomitic with trace of fractures infilled with secondary calcite, dense.

5810 - 5820' (Continued)

Trace of limestone, dark brown, calcarenite, slight cut, slightly friable.
10% Shale, as above, with rare spines.
Trace of pyritized spines.
Shale, with abundant white specks noted.

5820 - 5830'

100% Limestone, buff to medium brown, fine to rare medium crystalline, slightly dolomitic, dense.
Limestone, cream to buff to brown, calcilutite, rarely calcisiltite, with rare tentaculites remains, rare stylolites noted.
Limestone, dark brown, finely crystalline, with small cracks infilled with secondary calcite, dense.
Rare spar calcite noted.

5830 - 5840'

100% Limestone, buff to brown and tan, finely to microcrystalline, slightly dolomitic, dense.
Limestone, dark brown, finely crystalline, dolomitic in part, with trace of black, shale intercalations, rare crinoid fragments, dense.
Limestone, cream to buff to brown, calcisiltite, slightly fossiliferous.
Numerous stylolites noted.
Rare calcarenite, noted.

5840 - 5850'

100% Limestone, cream to buff and tan, fine to microcrystalline, rarely medium crystalline, slightly dolomitic, with trace of fractures infilled with secondary calcite.
Limestone, cream to buff, calcilutite to calcisiltite, with traces of stylolites.

5850 - 5857' (Circ.)

100% Limestone, medium brown, finely crystalline, slightly sucrosic, slightly dolomitic, slight trace of porosity, rare gilsonite flecks, slight stain, essentially very poor.
Limestone, medium and dark brown mottled, finely crystalline slightly dolomitic, dense.
Limestone, tan, micro-crystalline, to slightly platy, with trace of secondary calcite infilling minor cracks.
Limestone, cream to buff, calcisiltite, dolomitic, with secondary calcite veining, dense.
Numerous stylolites noted and spar calcite.

5857 - 5888'

Core Interval

5888 - 5890'

Limestone, cream to white, calcilutite to calcisiltite, rare stromatoparoid relicts?
Limestone, medium to dark brown, mottled, fine to microcrystalline, with secondary calcite veining, dense.
Rare limestone, dark brown, fine grained, dense.
Trace of stylolites.
Poor sample, abundant cavings.

5890 - 5900'

100% Limestone, as above.

5900 - 5910'

100% Limestone, cream to white, calcilutite to calcisiltite, with rare calcishperes.
Limestone, medium to dark brown, mottled, fine to micro-crystalline, with secondary calcite veining dense.
Minor limestone buff to tan, micro-crystalline, to sub-lithographic, dense.
Limestone, medium brown, micro-crystalline, dense.
Numerous chips of spar calcite.

5910 - 5920'

100% Limestone, medium to dark brown, fine to micro-crystalline, with numerous cracks infilled with secondary calcite, dense.
Limestone, brown to tan, micro-crystalline to sub-lithographic, dense.
Minor limestone, calcilutite to calcisiltite as above.
Minor limestone, cream to grey-buff, calcilutite, rarely fossiliferous.
Rare spar calcite.

5920 - 5930'

100% Limestone, cream to grey-buff, calcilutite, rare oolites, rare coral fragments, unidentified algal material noted.
Limestone, buff to brown, calcarenitic, dense.
Limestone, medium and dark brown, finely crystalline, with traces of stylolites, and calcite veining.

5930 - 5940'

100% Limestone, medium to dark brown, finely crystalline, slightly calcilutite, with numerous stylolites and minor cracks filled with secondary calcite.
Limestone, tan, micro-crystalline, with minor calcite inclusions.
Limestone, cream to buff, calcilutite to calcisiltite, with unidentified fossil fragments.

5940 - 5950'

100% Limestone, medium and dark brown, as above.
Limstone, tan, micro-crystalline, with trace of calcite veining.
Limestone, dark brown, fine crystalline, grading to slightly calcarenite, dense.
Limestone, cream to white, calcilutite to calcisiltite, with unidentified fossil fragments, numerous stylolites infilled with black, shaly bituminous material.

5950 - 5960'

100% Limestone, tan, micro-crystalline, to sub-lithographic, with rare cracks infilled with secondary calcite.
Limestone, cream to white, calcilutite to calcisiltite, with rare unidentified fossil fragments, rare coral shadows.
Limestone, buff to brown and dark brown, dense.
Rare spar calcite.

5960 - 5970'

100% Limestone, medium to dark brown, finely crystalline, dense.
Limestone, tan, micro-crystalline, to sub-lithographic as above.
Minor amounts of calcilutite as above.

5970 - 5980'	100% Limestone, medium to dark brown, mottled, resinous appearance, finely crystalline, with trace of calcite veining, dense. Limestone, medium brown, finely crystalline, trace of calcite veining dense. Limestone, cream to buff, calcilutite rarely oolitic, with trace of calcite veining, dense. Rare spar calcite crystals.
5980 - 5990'	100% Limestone, as above.
5990 - 6000'	100% Limestone, medium and dark brown, mottled, slight resinous appearance, finely crystalline, slightly fossiliferous (ostracods), dense. Limestone, tan, micro-crystalline to sub-lithographic, with trace of secondary calcite infilling cracks, dense. Limestone, buff and light brown, calcilutite to calcisiltite, slightly fossiliferous, unidentified.
6000 - 6010'	100% Limestone, cream to buff, calcilutite to calcisiltite, fossiliferous as above. Limestone, medium to dark brown, mottled, finely crystalline' rarely fossiliferous, trace of stylolites, dense.
6010 - 6020'	100% Limestone, medium and dark brown, mottled, finely crystalline, with trace of calcite veining and stylolites infilled with bituminous material. Limestone, cream to buff, calcisiltite to calcilutite, as above.
6020 - 6030'	100% Limestone, as above. Limestone, brown, fine grained, calcarenitic. Limestone, grey-buff, micro-crystalline, dense.
6030 - 6040'	90% Limestone, as above. 10% Shale, medium grey, micro-micaceous, slightly flaky, slightly dolomitic.
6040 - 6050'	80% Limestone, dark brown, finely crystalline, slight resinous appearance, rarely oolitic, dense. Limestone, as above. Rare brachiopods noted. 20% Shale, light to medium grey to grey-green, micro-micaceous flaky.
6050 - 6060'	90% Limestone, medium grey-buff, fine to micro-crystalline, slightly dolomitic, slightly argillaceous, with rare pyrite. 10% Shale, medium grey as above.
6060 - 6070'	90% Limestone, grey-buff, fine to micro-crystalline, grading to argillaceous, dense. Limestone, cream, calcarenitic, dense. Limestone,white calcilutite, fossiliferous (tentaculites and brachiopod remains), dense. 10% Shale, medium grey, micro-micaceous, flaky, calcareous to slightly dolomitic.

6070 - 6080'

80% Limestone, cream to grey-white, finely crystalline, slightly fossiliferous (brachiopods), dense.
Limestone, grey-buff, fine to micro-crystalline, dense.
Limestone, cream calcarenitic, fossiliferous in part, dense.
Rare crinoids noted.
20% Shale, medium grey, micro-micaceous, flaky, calcareous.

6080 - 6090'

70% Limestone, as above.
30% Shale, as above.

6090 - 6100'

70% Limestone, medium grey, fine to micro-crystalline, with trace of stylolites, dense.
Limestone, grey-buff, finely crystalline, with trace of fossil fragments, dense.
Limestone, cream to white, finely crystalline, fossiliferous (rare crinoids).
30% Shale, medium grey, micro-micaceous, flaky, calcareous.

6100 - 6110'

80% Limestone, grey-buff, finely crystalline, dense.
Limestone, cream calcilutite, rarely fossiliferous, dense.
Limestone, cream to white, finely crystalline, with rare brachiopod fragments, dense.
20% Shale, as above.

6110 - 6120'

100% Limestone, grey-buff, finely crystalline, with trace of brachiopod fragments, dense.
Limestone, grey-brown, finely crystalline, with trace of brachiopod fragments dense.
Limestone, medium brown, finely crystalline, slightly fragmental, rarely fossiliferous, dense.
Limestone, cream calcilutite, slightly fossiliferous, dense.
20% Shale, medium grey, micro-micaceous, flaky, calcareous.

6120 - 6130'

90% Limestone, grey-buff, finely crystalline, with trace of ostracods, rarely stylolitic, dense.
Limestone, cream to grey, finely crystalline, slightly fossiliferous, ostracods and rare crinoids, dense.
10% Shale, as above.

6130 - 6140'

90% Limestone, cream to grey, to grey-brown, finely crystalline, slightly fossiliferous, rarely pyritic, dense.
Limestone, grey-brown, fine grained, with trace of crinoids.
Limestone, medium grey, finely crystalline, dense.
10% Shale, as above.

6140 - 6150'

90% Limestone, medium grey-buff, finely crystalline, to micro-crystalline, slightly fragmental appearance, rarely fossiliferous, dense.
Limestone, medium brown, finely crystalline, dense, minor amounts.
Limestone, cream to white and brown, mottled, finely crystalline, with trace of brachiopod fragments, dense.
10% Shale, medium grey, micro-micaceous, flaky, calcareous.

6150 - 6160'

100% Limestone, grey-buff, to grey-brown, mottled, finely crystalline, slightly fossiliferous, trace of calcite veining dense.
Limestone, cream to white and brown, as above.
Rare shale, as above.

6160 - 6170'

100% Limestone, medium grey to grey-buff, finely crystalline, dense.
Limestone, grey-brown, mottled, finely crystalline, rarely pyritic, slightly fossiliferous, dense.
Limestone, brown and white, mottled, finely crystalline to fragmental, rarely pyritic, dense.
Minor limestone, white, calcilutite with rare brachiopod fragments.
Minor limestone, grey-brown, fine to micro-crystalline, rare ostracods, dense.

6170 - 6180'

100% Limestone, medium brown, fine to micro-crystalline, dense.
Limestone grey-brown, finely crystalline, with trace of ostracods, dense.
Limestone, cream to white, calcilutite, with unidentified fossil fragments, dense.
Rare shale, grey-green, flaky, calcareous.

6180 - 6190'

100% Limestone, medium brown, finely crystalline, to fragmental, slightly fossiliferous, dense.
Minor limestone, cream to white and brown, mottled, fragmental in part, trace of ostracods, dense.
Rare shale, as above.
Brachiopod fragments noted.

6190 - 6200'

100% Limestone, cream to white, calcilutite, very fossiliferous, bioclastic.
Limestone, medium grey-brown, as above.
Rare shale, medium grey to slightly grey-green, calcareous.
Rare brachiopod fragments.

6200 - 6210'

100% Limestone, medium brown, fine to micro-crystalline dense.
Limestone, medium to dark brown, mottled, finely crystalline slightly fossiliferous with trace of calcite veining, dense.
Limestone, cream, calcilutite, to calcisiltite, with traces of unidentified fossil fragments.
Limestone, medium grey, finely crystalline, grading to argillaceous in part, dense.
Rare shale, and brachiopod fragments as above.

6210 - 6220'

100% Limestone, light grey-tan, fine to micro-crystalline, with rare unidentified fossil remains, dense.
Limestone, medium and dark brown, mottled, finely crystalline with scattered ostracods, dense.
Limestone, brown and buff mottled, finely crystalline, slightly fossiliferous, dense.
Limestone, buff, calcilutite to calcarenite with rare fossil fragments, dense.
Rare shale, as above.

6220 - 6230'

100% Limestone, light grey-tan, fine to micro-crystalline to sub-lithographic, slightly pyritic, dense.
Limestone, buff to brown, mottled, finely crystalline, very fossiliferous, (ostracods).

6220 - 6230' (Continued)	Limestone, dark brown, finely crystalline, with trace of calcite veining, dense. Shale, black, blocky, calcareous, hard with shale, light grey to medium grey, flaky, possibly cavings. Crinoids noted.
6230 - 6240'	As above.
6240 - 6250'	100% Limestone, grey to grey-tan, micro-crystalline to sub-lithographic, rarely pyritic, dense. Shale, as above, cavings? Rare shale, grey-green, calcareous, pyritic.
6250 - 6260'	As above.

BEAR ROCK 6263' (-5251')

6260 - 6270'	80% Dolomite, medium brown, finely crystalline, calcareous in part, dense. 20% Limestone, cream to white, calcilutite to calcisiltite, with fossil fragments. Shale, as above.
6270 - 6280'	80% Dolomite, medium brown, finely crystalline, grading to fine grained, slightly calcareous, dense. 20% Limestone, brown, calcarenite, slightly friable, essentially dense. Limestone, medium brown, finely crystalline, dense.
6280 - 6290'	90% Dolomite, medium to dark brown, finely crystalline, slightly calcareous, with minor scattered very fine pin point and inter-crystalline porosity, rare stain, no fluorescence, stain probably mineral. Trace of vugs infilled with secondary calcite. Porosity essentially poor. Rare dolomite, medium brown, finely crystalline, dense. 10% Limestone, as above.
6290 - 6300'	90% Dolomite, medium brown, finely crystalline, slightly calcareous, grading to fine grained, as above, with rare scattered porosity, as above, essentially dense. 10% Limestone, as above.
6300 - 6310'	90% Dolomite, medium to dark brown, fine to micro-crystalline to micro-grained, rare carbon flecks, dense. Dolomite, medium to light brown, fine to micro-grained, slightly calcareous, dense. 10% Limestone, tan, fine to micro-crystalline, dolomitic, dense.
6310 - 6312' (Circ.)	100% Dolomite, medium brown, fine to micro-grained, with rare carbon flecks, dense. Dolomite, medium brown, finely crystalline, with rare isolated vugs. Dolomite, tan, finely crystalline, calcareous, dense.
6312 - 6326'	Cored Interval.

6326 - 6330'	100% Dolomite, medium brown, finely crystalline, with numerous clear calcite crystals in matrix, rare pin point porosity and rare isolated very fine vugs, rare carbon flecks, rare stain (mineral), no cut or fluorescence. Dolomite, tan, fine to micro-crystalline, dense.
6330 - 6340'	100% Dolomite, light brown, fine to micro-crystalline, dense.
6340 - 6350'	100% Dolomite, light brown, as above with abundant stylolites, dense. Dolomite, medium to dark brown, fine to micro-crystalline, slight resinous appearance, dense. Dolomite, light buff, fine to micro-crystalline, dense.
6350 - 6360'	60% Anhydrite, tan and white, and grey-white, crypto-crystalline, slightly dolomitic, dense. 40% Dolomite, as above.
6360 - 6370'	80% Anhydrite, tan, white and grey-white, crypto-crystalline dolomitic. 20% Dolomite, light brown, fine grained, with pockets of white crystalline anhydrite.
6370 - 6380'	90% Anhydrite, as above. Anhydrite, white sugary. 10% Dolomite, medium brown, fine grained, slightly anhydritic, dense.
6380 - 6390'	80% Anhydrite, tan, white and grey-white, crypto-crystalline massive, slightly dolomitic. 20% Dolomite, medium to dark brown, finely crystalline, very anhydritic, rare vugs, possibly anhydrite infilled and leached out.
6390 - 6400'	90% Dolomite, light brown, fine grained to micro-grained, with trace of stylolites, rare ostracods? dense. 10% Anhydrite, as above.
6400 - 6410'	100% Anhydrite, tan, white and grey-white, crypto-crystalline slightly dolomitic. Minor dolomite, as above. Many cavings.
6410 - 6420'	90% Anhydrite, as above. 10% Dolomite, medium to dark brown, finely crystalline, with minor anhydrite inclusions, dense.
6420 - 6430'	50% Anhydrite, as above. 50% Dolomite, medium brown, finely crystalline, slight brecciated appearance, very anhydritic, dense.
6430 - 6440'	50% Anhydite, tan and grey-white, slightly dolomitic. 50% Dolomite, medium brown, to buff and brown, fine crystalline to fine grained, slightly anhydritic, with trace of scattered pin point porosity grading to dense.

6440 - 6450'	80% Anhydrite, as above. 20% Dolomite, dark brown, fine to micro-crystalline, dense.
6450 - 6460'	100% Anhydrite, as above.
6460 - 6470'	70% Anhydrite, tan, white and grey, crypto-crystalline. Anhydrite, white, sugary. 30% Dolomite, medium brown, finely crystalline, slightly anhydritic, with trace of stylolites, dense.
6470 - 6480'	60% Dolomite, medium to dark brown, fine to micro-crystalline, slightly anhydritic, with trace of stylolites, dense. 40% Anhydrite, tan, white and brown, crypto-crystalline, slightly dolomitic.
6480 - 6490'	As above.
6490 - 6500'	90% Dolomite, tan, micro-crystalline, with trace of calcite veining, trace of stylolites, dense. 10% Anhydrite, as above.
6500 - 6510'	90% Dolomite, medium to dark brown, finely crystalline, brecciated appearance with trace of secondary dolomite veining, anhydritic, numerous stylolites, dense. 10% Anhydrite, tan, white and grey-white, crypto-crystalline slightly dolomitic.
6510 - 6520'	As above.
6520 - 6530'	60% Dolomite, medium to dark brown, slight resinous appearance, finely crystalline, with pockets of white sugary anhydrite, rare isolated pin point porosity, essentially dense. Dolomite, buff, earthy, anhydritic. 40% Anhydrite, tan, white and grey, with minor inclusions of medium brown, finely crystalline, dolomite.
6530 - 6540'	70% Dolomite, medium to dark brown, mottled, finely crystalline, with brecciated appearance with scattered pin point porosity and rare very fine vugs, lined with dolomite rhombs. 30# Anhydrite, white, tan and brown, and white sugary with interbeds of dolomite, dark brown, resinous, finely crystalline, dense.
6540 - 6550'	70% Dolomite, medium and dark brown, mottled, resinous, finely crystalline, with numerous stylolites, and scattered poor pin point porosity and rare vugs, anhydritic. 30% Anhydrite, as above.
6550 - 6560'	As above.
6560 - 6570'	80% Dolomite, light to medium and dark brown, mottled, brecciated appearance, finely crystalline, with numerous stylolites, with scattered poor porosity as above, rare carbon flecks, rare calcispheres and pseudo-oolites, anhydritic essentially dense. 20% Anhydrite, varicolored, crypto-crystalline, dolomitic in part.

6570 - 6580'	60% Anhydrite, dark brown, tan, white and grey-white, dolomitic. 40% Dolomite, medium to dark brown, mottled, brecciated finely crystalline, anhydritic, dense.
6580 - 6590'	As above.
6590 - 6600'	90% Anhydrite, dark brown, tan and grey-white, with minor inclusions of dark brown, finely crystalline, dolomite. 10% Dolomite, medium brown, finely crystalline, very anhydritic, rare pin point porosity and rare vugs, essentially poor porosity, grading to dense.
6600 - 6610'	90% Anhydrite, as above. 10% Dolomite, medium brown, finely crystalline, very anhydritic, rare pin point porosity and rare vugs, grading to dense.
6610 - 6620'	70% Dolomite, medium brown, finely crystalline, slightly anhydritic, with trace of stylolites, minor cracks infilled with secondary dolomite, fossiliferous in part, with rare pin point porosity and vugs, rare carbon flecks. Rare ostracods and crinoids? 30% Anhydrite, as above.
6620 - 6630'	80% Dolomite, light to medium brown, mottled, finely crystalline with slight brecciated appearance, minor cracks infilled with secondary dolomite, rare pin point porosity, rare carbon flecks, trace of calcite crystals, dense. Minor dolomite, light brown, finely crystalline, dense. 30% Anhydrite, dark brown, tan and white, slightly dolomitic.
6630 - 6640'	70% Dolomite, light to medium brown, mottled, finely crystalline, slightly brecciated appearance, rare pin point porosity, essentially dense. Minor dolomite, tan, fine to micro-crystalline, with rare ostracods, dense. 30% Anhydrite, vari-colored, slightly dolomitic, crypto-crystalline.
6640 - 6650'	90% Anhydrite, tan, dark brown and grey-white, dolomitic. 10% Dolomite, light brown to tan, finely crystalline to micro-crystalline, dense.
6650 - 6660'	70% Anhydrite, as above. 30% Dolomite, medium grey-brown, fine to micro-crystalline, dense. Dolomite, medium brown, finely crystalline, slightly anhydritic, dense.
6660 - 6670'	90% Anhydrite, tan, dark brown, and grey-white, slightly dolomitic. 10% Dolomite, as above, anhydritic.
	80% Anhydrite, as above. 20% Dolomite, medium to grey-brown, fine to micro-crystalline, dense. Dolomite, tan, fine to micro-crystalline, dense.

6680 - 6690'	80% Anhydrite, tan, white and dark brown, dolomitic in part. 20% Dolomite, medium to grey-brown, fine to micro-crystalline, dense. Rare shale, grey-green to green, rarely pyritic, slightly dolomitic.
6690 - 6700'	70% Anhydrite, as above, with inclusions of dolomite, dark brown. 30% Dolomite, medium grey-brown to dark brown, fine to micro-crystalline, with veining of anhydrite, dense.
6700 - 6710'	As above.
6710 - 6720'	60% Dolomite, medium to dark brown, mottled, slight resinous appearance, finely crystalline, slightly anhydritic rare very fine vugs, essentially dense. Dolomite, tan, fine to crypto-crystalline, dense. 40% Anhydrite, as above.
6720 - 6730'	70% Dolomite, medium and dark brown, mottled, slightly resinous, finely crystalline, slightly anhydritic, with rare very fine pin point porosity, essentially dense, rare minute vugs. 30% Anhydrite, tan, white and dark grey, with trace of white sugary.
6730 - 6740'	60% Dolomite, medium and dark brown, mottled, slight resinous appearance, fine to micro-crystalline,anhydritic, rarely pyritic, trace of fine to medium dolomite rhombs. Dolomite, dark grey, crypto-crystalline, dense with dolomite, grey-brown to medium brown, finely crystalline, anhydritic in part, dense. 40% Anhydrite, dark grey, tan and brown and white, with lenses of dolomite dark brown, fine to micro-crystalline, and rare partings infilled with shale, black, pyritic, dolomitic.
6740 - 6750'	80% Anhydrite, tan, brown, dark grey and white, with rare dolomite stringers. 20% Dolomite, grey-brown, finely crystalline, slight brecciated appearance, dense. Dolomite, as above.
6750 - 6760'	100% Anhydrite, as above. Minor dolomite, as above.
6760 - 6770'	100% Anhydrite, tan, dark brown and grey-white, crypto-crystalline, with minor dolomite, dark brown, finely crystalline, anhydritic, dense.
6770 - 6780'	80% Anhydrite, as above. 20% Dolomite, medium to grey-brown, finely crystalline, slightly anhydritic, dense. Minor dolomite, light buff, earthy to sucrosic, anhydritic.

6780 - 6790'	80% Anhydrite, tan, crypto-crystalline, slightly dolomitic. 20% Dolomite, light buff, fine to micro-crystalline, slightly anhydritic, dense.
6790 - 6800'	80% Anhydrite, as above, with dark brown, dolomite stringers. 20% Dolomite, as above. Dolomite, dark brown, fine to crypto-crystalline, slightly anhydritic, dense.
6800 - 6810'	70% Anhydrite, as above. 30% Dolomite, medium to grey-brown and dark brown, fine to micro-crystalline, slightly anhydritic, dense.
6810 - 6820'	90% Anhydrite, tan,grey-white and dark brown, crypto-crystalline, slightly dolomitic. 10% Dolomite, tan, fine to micro-crystalline, dense. Dolomite, grey-brown, finely crystalline, with trace of pockets filled with anhydrite and infilling cracks.
6820 - 6830'	90% Anhydrite, as above. 10% Dolomite, grey brown, finely crystalline, slightly anhydritic, dense. Minor dolomite, tan, fine to micro-crystalline, dense.
6830 - 6840'	As above.
6840 - 6850'	100% Anhydrite, tan and grey-white, crypto-crystalline, dolomitic. Rare dolomite, medium grey-brown, finely crystalline, slightly anhydritic, dense. Dolomite, buff, finely crystalline, dense, rare.
6850 - 6860'	80% Anhydrite, as above. 20% Dolomite, medium grey-brown, as above. Dolomite, medium brown, finely crystalline, slight brecciated appearance, with anhydrite infilling, minor cracks, dense.
6860 - 6870'	80% Anhydrite, as above, dolomitic. 20% Dolomite, medium brown to grey-brown, finely crystalline slightly anhydritic, dense. Trace of dolomite, tan, fine to micro-crystalline, dense.
6870 - 6880'	As above.
6880 - 6890'	80% Anhydrite, tan, grey-white, crypto-crystalline, dolomitic 20% Dolomite, light grey-tan, fine to micro-crystalline, slightly anhydritic, dense. Dolomite, medium grey, fine to crypto-crystalline, anhydritic in part, dense.
6890 - 6900'	90% Anhydrite, as above. 10% Dolomite, buff to tan, finely crystalline, with minor cracks infilled with anhydrite.
6900 - 6910'	90% Anhydrite, tan, brown and grey-white, slightly dolomitic.

6900 - 6910' (Continued)	10% Dolomite, light brown, finely crystalline, with minor partings filled with anhydrite, dense.
6910 - 6920'	100% Anhydrite, tan, brown, and grey-white, interbedded with dolomite, as above, possibly gypsiferous.
6920 - 6930'	90% Anhydrite, as above, dolomitic. 10% Dolomite, tan to light brown, finely crystalline, with anhydrite, stringers and pockets, dense.
6930 - 6940'	80% Anhydrite, as above. 20% Dolomite, medium brown to grey-brown, fine to micro-crystalline, anhydritic in part, dense. Dolomite, light grey-buff, fine to micro-grained, dense.
6940 - 6950'	80% Anhydrite, tan, grey and brown, crypto-crystalline, dolomitic. 20% Dolomite, buff to cream, earthy to sucrosic, anhydritic dense.
6950 - 6960'	80% Anhydrite, tan, grey and brown as above. 20% Dolomite, light buff to grey-buff, micro-crystalline, anhydritic in part, dense.
6960 - 6970'	80% Anhydritic, as above. 20% Dolomite, light grey-buff, to grey, fine to micro-crystalline, slightly anhydritic, with rare cracks infilled with sugary anhydrite.
6970 - 6980'	100% Anhydrite, tan, crypto-crystalline, dolomitic. Anhydrite, white, sugary. Rare dolomite, as above:
6980 - 6990'	Sample missed.
6990 - 7000'	70% Anhydrite, as above, dolomitic. 30% Dolomite, medium brown, finely crystalline to fine grained to slightly sucrosic, with very fine pin point porosity and minute vugs lined with dolomite rhombs, rare soft white anhydrite inclusions, porosity essentially poor, rare cracks filled with secondary dolomite. Dolomite, dark brown to medium brown, finely crystalline to fine grained, essentially dense. Rare gypsum noted.
7000 - 7010'	50% Dolomite, light to medium brown, mottled, fine grained, to sucrosic, with trace of pin point porosity and rare vugs, with dolomite crystals in matrix, rarely anhydritic. Dolomite, dark brown, finely crystalline, resinous appearance, essentially dense. 50% Anhydrite, as above, dolomitic. Rare grey-green waxy shale.
7010 - 7020'	80% Anhydrite, tan, crypto-crystalline and grey-white, dolomitic. 20% Dolomite, light to medium brown, finely crystalline, slightly anhydritic, dense. Rare dolomite, medium grey to grey buff, fine to micro-crystalline to micro grained, with rare fossil fragments.

7020 - 7030'	100% Anhydrite, as above. Minor dolomite brown to tan, micro-crystalline with trace of anhydrite infilling cracks.
7030 - 7040'	100% Anhydrite, tan, grey-white and dark brown, slightly dolomitic. Rare dolomite, as above.
7040 - 7050'	100% Anhydrite, as above. Rare dolomite, grey-tan, fine to micro-crystalline, dense.
7050 - 7060'	80% Anhydrite, tan, white and grey-white, dolomitic, crypto-crystalline. 20% Dolomite, light to medium brown, fine grained to fine crystalline, with rare pin point porosity, anhydritic, with clear dolomite crystals in matrix.
7060 - 7070'	80% Anhydrite, as above. 20% Dolomite, light brown as above. Dolomite, dark brown, finely crystalline, slight resinous appearance, slightly anhydritic, dense.
7070 - 7080'	70% Anhydrite, tan, grey-white and white, crypto-crystalline, dolomitic in part. 30% Dolomite, light to medium brown, fine grained, trace of pin point porosity and rare vugs, trace of clear dolomite crystals in matrix. Dolomite, medium brown, finely crystalline, anhydritic rare gypsiferous, dense.
7080 - 7090'	70% Anhydrite, as above. 30% Dolomite, light to medium brown, as above. Dolomite, dark brown, finely crystalline, with resinous appearance, and rare vugs and pin point porosity.
7090 - 7100'	70% Dolomite, cream to light buff, finely crystalline to fine grained, with trace of fine vugs and pin point porosity. 30% Anhydrite, as above.
7100 - 7110'	70% Dolomite, cream to light buff, finely crystalline to fine grained, with trace of fine vugs and pin point porosity slightly anhydritic. 30% Anhydrite, tan, brown and grey-white, crypto-crystalline slightly dolomitic.
7110 - 7120'	70% Dolomite, cream to buff, finely crystallline, anhydritic in part, rare pin point porosity and vuggy porosity, occasional stylolites noted filled with black shaly material. 30% Anhydrite, as above.
7120 - 7130'	70% Dolomite, medium grey-brown, fine to micro-crystalline, slightly brecciated appearance, anhydritic, cracks infilled with anhydrite, dense. 30% Anhydrite, as above.
7130 - 7140'	80% Dolomite, medium grey-brown, fine to micro-crystalline, anhydritic in part, dense.

7130 - 7140' (Continued)	Dolomite, dark brown, finely crystalline, slightly anhydritic, with trace of stylolites. 20% Anhydrite, tan, brown and grey-white, dolomitic. Trace of dolomite rhombs and gypsum.
7140 - 7150'	Sample missed.
7150 - 7160'	100% Anhydrite, tan, brown and grey-white, dolomitic. Rare dolomite, as above.
7160 - 7170'	100% Anhydrite, as above. Rare dolomite, light grey-brown, finely crystalline, anhydritic, dense.
7170 - 7180'	90% Anhydrite, as above. 10% Dolomite, light buff, finely crystalline, anhydritic, clear dolomite crystals in matrix. Dolomite, grey-buff, fine to micro-crystalline, slightly anhydritic, dense.
7180 - 7190'	100% Dolomite, buff to brown, and medium brown, fine grained to sucrosic, rarely anhydritic, with trace of carbon flecks. Trace of anhydrite, as above.
7190 - 7200'	90% Dolomite, buff to brown and medium brown, fine grained to micro-grained, slightly sucrosic, rare carbon flecks, anhydritic in part, dense. Dolomite, medium brown, finely crystalline, with cracks infilled with secondary anhydrite. 10% Anhydrite, as above, dolomitic.
7200 - 7210'	100% Anhydrite, as above. Trace of dolomite, as above.
7210 - 7220'	90% Anhydrite, tan, white and grey-white, slightly dolomitic. 10% Dolomite, medium to light brown, fine grained to finely crystalline, anhydritic, dense.
7220 - 7230'	80% Dolomite, medium to dark brown, finely crystalline, slight resinous appearance, with rare cracks infilled with secondary anhydrite, dense. Dolomite, medium brown, fine grained, slightly anhydritic, dense. Dolomite, light brown, very fine grained, to earthy, dense. 20% Anhydrite, as above.
7230 - 7240'	80% Anhydrite, tan, brown, and grey-white, slightly dolomitic. 20% Dolomite, as above.
7240 - 7250'	80% Dolomite, light buff to cream, finely crystalline, grading slightly fine grained, anhydritic in part. One oolite noted. 20% Anhydrite, as above.
7250 - 7260'	80% Dolomite, medium brown, finely crystalline, anhydritic in part, dense.

7250 - 7260' (Continued)	Dolomite, buff, fine grained, sucrosic, anhydritic in part, dense, with minor pockets and cracks infilled with anhydrite. 20% Anhydrite, tan and white crypto-crystalline, dolomitic.
7260 - 7270'	90% Dolomite, brown to grey-brown, finely crystalline with minor pockets of white anhydrite and minor cracks infilled with anhydrite, minor stylolites, dense. 10% Anhydrite, as above.
7270 - 7280'	70% Dolomite, brown to grey-brown, to medium brown, finely crystalline, anhydritic, dense. 30% Anhydrite, as above.
7280 - 7290'	60% Dolomite, as above. 40% Anhydrite, as above.
7290 - 7300'	70% Anhydrite, tan, brown and grey-white, crypto-crystalline Anhydrite, cream to white sugary. 30% Dolomite, medium brown, finely crystalline, anhydritic dense.
7300 - 7310'	50% Dolomite, medium to dark brown, finely crystalline, with minor cracks infilled with anhydrite. Dolomite, buff, very finely crystalline, very anhydritic, to dolomitic, anhydrite. 50% Anhydrite, white soft, very dolomitic. Anhydrite, as above.
7310 - 7320'	90% Anhydrite, tan, dark brown and grey-white, crypto-crystalline, dolomitic. Rare dolomite, as above. 10% Dolomite, as above.
7320 - 7330'	100% Anhydrite, tan, dark brown and grey-white, dolomitic, with anhydrite, soft white. Rare dolomite, as above.
7330 - 7340'	60% Dolomite, medium brown, finely crystalline, with scattered trace of pin point porosity and vugs, slightly anhydritic, rare carbon flecks. Dolomite, buff, finely crystalline, with inclusions of clear gypsum crystals. 40% Anhydrite, as above.
7340 - 7350'	90% Dolomite, medium to dark brown, finely crystalline with trace to fair pin point porosity and vuggy porosity, with rare carbon flecks, grading to dense. 10% Anhydrite, as above.
7350 - 7360'	100% Dolomite, medium to dark brown, finely crystalline, with scattered pin point porosity and vuggy porosity, rare carbon flecks, grading to dense. Dolomite, light brown, fine to micro-crystalline, with rare stylolites dense. Rare anhydrite,as above.

7360 - 7370'

90% Dolomite, medium to dark brown, finely crystalline, rare stylolites occasional chip shows fine vugs and rare pin point porosity, anhydritic in part, essentially dense.
Dolomite, buff, very fine grained (sucrosic), dense.
10% Anhydrite, tan, dark brown and grey-white, crypto-crystalline, dolomitic in part.
Anhydrite, white, soft.

7370 - 7380'

60% Anhydrite, tan, dark brown and grey-white as above.
Anhydrite, white soft.
40% Dolomite, medium to dark brown, as above.

7380 - 7390'

100% Dolomite, medium brown to medium grey-brown, finely crystalline, rarely anhydritic, rare pin point porosity, essentially dense, with trace of carbon flecks, trace of stylolites.
Dolomite, buff, fine grained to slightly sucrosic, friable.
Rare anhydrite, cavings?

7390 - 7400'

80% Anhydrite, tan and dark brown, crypto-crystalline, slightly dolomitic.
20% Dolomite, medium to dark brown, finely crystalline, as above.
Dolomite, medium brown, earthy to slightly sucrosic, dense.

7400 - 7410'

90% Dolomite, medium to dark brown mottled, finely crystalline to fine grained, with rare isolated vugs and pin point porosity, trace of carbon flecks, porosity essentially poor.
Trace of stylolites and minor dolomite crystals in matrix.
Minor dolomite, brown, earthy to sucrosic as above.
10% Anhydrite, as above.

7410 - 7420'

90% Dolomite, medium to dark brown, mottled, finely crystalline with many stylolites infilled with black shaly material and clear gypsum, traces of scattered vugs and pin point porosity, with rare carbon flecks.
Minor dolomite buff, finely crystalline, slightly anhydritic.
Dolomite, buff to brown, earthy to sucrosic, dense.
10% Anhydrite, as above.

7420 - 7430'

100% Dolomite, medium to dark brown, finely crystalline, rare porosity as above, rare pockets of anhydrite, essentially dense, with stylolites observed.
Minor dolomite, light brown, very fine grained to earthy, dense.
Rare anhydrite.

7430 - 7440'

90% Dolomite, buff to medium brown and dark brown, finely crystalline, with rare clear gypsum and rare pockets of soft white anhydrite, rare dolomite crystals in matrix, essentially dense.
10% Anhydrite, tan and dark brown, crypto-crystalline, slightly dolomitic.

7440 - 7450' 90% Dolomite, buff to medium brown and dark brown, mottled, finely crystalline, anhydritic, with rare pin point porosity, essentially dense.
10% Anhydrite, as above, with anhydrite, white soft.

7450 - 7460' 90% Dolomite, as above.
Dolomite, dark brown, finely crystalline, rarely anhydritic, dense.
10% Anhydrite, as above.

7460 - 7470' 100% Anhydrite, tan, grey-white and brown, crypto-crystalline, dolomitic.
Rare dolomite, as above.

7470 - 7480' Abundant cavings, lithology assumed as above.
Many bridges.

7480 - 7490' 80% Dolomite, buff to grey-buff, and grey-brown, fine to micro-crystalline, slightly anhydritic, dense.
Dolomite, light grey-buff, fine to micro-crystalline, dense.
Minor dolomite, light grey-white, micro-granular, rarely anhydritic, slightly friable.
20% Anhydrite, as above with anhydrite, white sugary.

7490 - 7500' 95% Anhydrite, tan, grey-white and dark grey, massive, slightly dolomitic, with anhydrite, white sugary.
10% Dolomite, buff to grey-brown, fine to micro-crystalline to rarely micro-grained, rarely anhydritic.
Many shale cavings.

7500 - 7510' 90% Anhydrite, tan grey-white, dark grey, dolomitic.
10% Dolomite, grey-brown, fine to micro-crystalline, dense.
Trace of dolomite, buff, very fine grained to sucrosic slightly friable.

7510 - 7520' 95% Dolomite, buff to brown, finely crystalline, rarely micro-crystalline, pyritic in part, dense.
5% Anhydrite, as above.
Abundant pyrite.

MOUNT KINDLE 7520' (-6508')

7520 - 7530' 95% Dolomite, buff to brown and grey-brown, fine to micro-crystalline, very pyritic with minor cracks infilled with sugary anhydrite.
Dolomite, crystals in matrix.
5% Anhydrite, tan, and grey-white crypto-crystalline, slightly dolomitic.

7530 - 7540' 100% Dolomite, buff to brown, fine to micro-crystalline, slight pyrite, rare pockets of sugary anhydrite, dense.
Dolomite, buff, fine grained, earthy, slightly anhydritic, slightly friable (porosity?).

7540 - 7550' 100% Dolomite, buff to light brown, finely crystalline with trace of dolomite crystals in matrix, slightly anhydritic, dense.
Dolomite,buff, very fine grained, with infilling of very fine white sugary anhydrite.

7550 - 7560' 100% Dolomite, buff to brown, finely crystalline, slightly anhydritic, with scattered fair vugs and trace of pin point porosity, not stain, no cut.
Dolomite, buff, as above.

7560 - 7570' 100% Dolomite, buff to medium brown, finely crystalline, with scattered fair vuggy and trace of inter-crystalline and pin point porosity, with rare dolomite rhombs lining vugs, no shows.

7570 - 7580' 100% Dolomite, buff to medium brown, finely crystalline with scattered fair fine vugs and pin point porosity, trace of inter-crystalline porosity, rarely anhydritic, rarely pyritic.
Rare dolomite rhombs and trace of clear gypsum.

7580 - 7590' 100% Dolomite, buff to brown, finely crystalline, as above.
Rare dolomite rhombs and clear gypsum as above.

RONNING 7595' (-6583')

7590 - 7600' 100% Dolomite, buff to brown, as above.
Dolomite, light grey-white, fine to micro-crystalline, with clay residue after heating in HCl.
Dolomite, white, very fine grained to sucrosic, rarely pyritic, friable.

7600 - 7610' Dolomite, light grey, micro-crystalline to micro-granular rarely pyritic, with clay residue.
Dolomite, white, very fine grained to sucrosic, rarely pyritic, friable.

7610 - 7620' 100% Dolomite, cream to white, medium crystalline, with rare pink grains dense.
Rare dolomite, white to slightly pink dense.
Rare dolomite, cream to white crystalline, rare apple green shale intercalations, dense.

7620 - 7630' 100% Dolomite, cream to white, medium crystalline, with minor pink grains and rare apple green shale intercalations dense.
Rare pale green slightly waxy shale.
Dolomite, light grey-white micro-crystalline, dense.

7630 - 7640' 100% Dolomite, cream to white to buff, with rare pink crystals, medium crystalline, with minor blebs of pale green shale, dense.
Dolomite, white, micro-crystalline, with rare pink cast, dense.
Dolomite, cream, micro-granular, slightly friable.
Rare shale, medium grey-green waxy, micro-micaceous.

7640 - 7650'

100% Dolomite, cream to buff, to grey-white, with rare pink crystals, medium crystalline, with rare blebs of apple green shale.
Dolomite, pink medium crystalline, with green shale blebs, dense.
Dolomite, buff, micro-crystalline, dense.
Chert, white, to milky white, slightly dolomitic, with rare quartz infilling cracks.

7650 - 7660'

100% Dolomite, cream to buff, micro-crystalline, rarely pyritic, rare cracks infilled with gypsum.
Dolomite, cream to white to buff, medium crystalline, with minor blebs of apple green shale, dense.
Chert white to milky white, and buff and white (translucent) slightly dolomitic with minor veining of quartz (clear).
Chert milky white, slight weathered appearance.

7660 - 7664' (Circ.)

Dolomite, cream to white, micro-crystalline with cracks infilled with clear gypsum, dense.
Dolomite, cream, very fine grained, very fine silt to clay residue, dense.
Chert, white and buff, milky, sandy, slightly dolomitic.

7664 - 7670'

100% Dolomite, cream to white, micro-crystalline, with rare cracks infilled with clear quartz grains, dense.
Dolomite, pink to brown, finely crystalline, residue of extremely fine silty to clay residue noted.
Rare chert as above.
Poor sample after tripping.

7670 - 7680'

100% Dolomite, cream to buff, fine to micro-crystalline, slightly silty, dense.
Dolomite, pink and white, medium crystalline, (mosaic texture) with rare inclusions of chert, dense.
Chert milky white and buff, with minor cracks infilled with clear quartz.
Rare shale, green waxy and clear sub-angular quartz grains.

7680 - 7690'

100% Dolomite, pink, micro-crystalline, slightly silty, rarely pyritic, dense.
Dolomite, buff, finely crystalline to rare medium crystalline rare pink crystals, rare inclusions of pale green shale, minor cherty inclusions, dense.
Chert, white and buff as above.
Trace of oolites.

7690 - 7700'

100% Dolomite, pink and white, fine to micro-crystalline (silt to clay particle when dissolved), dense.
Dolomite, cream to buff, finely crystalline, rarely medium crystalline, with rare pink crystals, dense.
Rare chert, as above.

7700 - 7710'

100% Dolomite, cream to light buff, finely crystalline, slightly pyritic, rare pink crystals, dense.
Dolomite, cream to white, micro-crystalline, slightly silty, dense, with rare cracks infilled with clear gypsum dense.

7710 - 7715' (Circ.)	100% Dolomite, cream to white, micro-crystalline, slightly silty, pyritic in part, dense. Dolomite, cream to buff, finely crystalline, with rare pink crystals slightly silty, dense. Dolomite, pink and white, (mosaic texture) finely crystalline, dense, with dolomite pink and white very fine grained, friable, silty to clay residue. Occasional fragment of chert white milky and clear angular quartz. Rare apple green waxy shale. NOTE: Depth Correction 5' higher. Cored Interval 7710 - 7730'
7710 - 7730'	Cored Interval
7730 - 7740'	100% Dolomite, white, finely crystalline, with clay residue friable. Dolomite, cream to buff and pink, medium crystalline, mottled, with grain size amorphous interstitial material green in color, minor waxy green shale partings, rarely pyritic, and minor cracks infilled with milky white chert. Chert milky white, with bright green amorphous material.
7740 - 7750'	100% Dolomite, buff and lightly pink mottling, medium crystalline, with green amorphous interstitial material green in color, dense. Dolomite, pink medium crystalline, dense. Dolomite, grey-white, fine to micro-crystalline, dense. Dolomite, light grey-buff, medium crystalline, dense. Large dolomite rhombs noted. Minor shale, pale green waxy, rarely pyritic.
7750 - 7760'	100% Dolomite, white to cream, finely crystalline, cherty in part, dense. Dolomite, buff and pink mottled, finely crystalline, slightly chert dense. Dolomite buff, finely crystalline, with clear quartz inclusions, dense. Chert, milky white with oolites.
7760 - 7770'	100% Dolomite pink finely crystalline, grading to rarely medium crystalline, dense. Dolomite, cream to white, finely crystalline, dense. Dolomite, grey-buff, fine to micro-crystalline, rare grains size green amorphous interstitial material, dense. Rare chert, as above.
7770 - 7780'	100% Dolomite, buff, fine to micro-crystalline, silty, dense. Dolomite, pink as above. Chert white and rare buff. Rare apple green waxy green shale.
7780 - 7790'	100% Dolomite, white to grey-white, micro-crystalline, slightly silty. Dolomite, buff, finely crystalline, rare pink, mottled, slightly silty, dense. Rare shale, as above.

7790 - 7800' 100% Dolomite, buff to grey-buff, fine crystalline to rare fine grained, slightly silty, with rare inclusions of white weathered chert, with rare bands of pink and red fine crystalline to fine grained dolomite, dense.
Dolomite pink and reddish brown, finely crystalline with rare inclusions of green amorphous material, dense.
Dolomite, grey-white, micro-crystalline, slightly silty, dense.
Dolomite, white, micro-grained, silty, dense.

7800 - 7810' Dolomite, as above.
Dolomite, pink and white fine to micro-grained, slightly friable.
Rare chert, white.

7810 - 7820' 100% Dolomite, buff to grey-brown, fine to micro-crystalline grading to fine grained, with minor cracks and blebs infilled with red silty material (clay) rare veinlets of clear dolomite, dense.

7820 - 7830' 100% Dolomite, buff to brown, finely crystalline, grading to fine grained, with dolomite crystals in matrix noted, rare fine stylolites,
Dolomite, crystals noted on chip edges, possible vug linings.

7830 - 7840' 100% Dolomite, buff, fine to micro-crystalline, rarely silty rare veinlets of rusty clay material, red, dense.
Dolomite, buff to brown, as above.
Minor dolomite, pink as in previous samples.
Chert, white to buff, translucent, minor amounts.

7840 - 7850' 100% Dolomite, buff to grey-buff, fine to micro-crystalline with minor pale apple green waxy shale intercalations, dense.
Dolomite, cream to white, fine to micro-grained, silty, dense.
Rare chert, as above.

7850 - 7860' 100% Dolomite, pink to red, mottled with white, fine to medium crystalline, trace of interstitial red ferruginous clay material, dense.
Dolomite, pink fine to micro-grained, silty, residue, slightly friable, dense.

7860 - 7870' 100% Dolomite, pink to red, and white mottled, fine to medium crystalline with trace of interstitial grain size red ferruginous clay material and dark brown grain size material. Dolomite, pink and white, fine to micro-grained, silty.
Dolomite, white, fine to micro-grained.
Rare apple green waxy shale.
Coarse dolomite rhombs noted.

7870 - 7880' Dolomite, as above.

7880 - 7890'	100% Dolomite, pink and red, fine to medium crystalline, rarely coarse with trace of interstitial (grain size) red ferruginous material, dense. Dolomite, white, medium crystalline, with trace of red interstitial clay material. Dolomite, pink and white, mottled, fine to micro-crystalline silty in part. Rare fragments of white oolitic chert. Rare apple green waxy shale.
7890 - 7900'	Dolomite, as above. Dolomite, grey-white, finely crystalline to micro-crystalline slightly silty, dense. Rare shale, as above.
7900 - 7910'	100% Dolomite, white, medium crystalline, to slightly coarsely crystalline, with scattered interstitial green clay material, dense. Trace of clear gypsum and angular quartz grains.
7910 - 7920'	100% Dolomite, white, fine to micro-crystalline, with interbeds of dolomite, medium grey to slightly grey-green silty, pyritic in part, slight green cast, dense. Dolomite, white as above, rare. Dolomite, white, fine to medium grained to sucrosic, silty, trace intergranular porosity. Trace of apple green waxy shale.
7920 - 7930'	100% Dolomite, as in previous sample. Dolomite, grey-buff, fine to micro-crystalline, silty in part, with extremely fine silt residue and veinlets of clear quartz. Minor dolomite, light brown, very fine grained to sucrosic trace of inter-granular porosity?
7930 - 7940'	100% Dolomite, grey-white, fine to micro-crystalline, dense. Dolomite, white, very fine grained to sucrosic, slightly pyritic, friable with trace of fair inter-granular porosity? Rare green shale partings. Pyrite.
7940 - 7950'	100% Dolomite, grey-brown, fine grained to micro-grained, rarely glauconitic with silty and clay residue when dissolved in acid, interbedded with shale, grey-green, silty, pyritic, grades to shaly dolomite. Dolomite, grey-white, fine grained to sucrosic, silty and clay residue, slightly glauconitic, friable, trace of porosity. Shale, light grey-green, slightly dolomitic, silty, rare amounts.
7950 - 7960'	100% Dolomite, grey-white, slightly green cast, finely crystalline, with rare pale grey-green shale laminae, silty, and dolomitic in part. Dolomite, brown, with reddish cast, finely crystalline slightly silty, possibly sphalerite inclusions, dense. Dolomite, grey-pink, very fine grained, silty, slight clay residue. One shell fragment noted.

7960 - 7970'	100% Dolomite, white with light green cast, fine to micro-crystalline, very fine silt residue, rarely cherty. Dolomite, white, very fine grained, to sucrosic, slightly silty, friable (trace of porosity)? Dolomite, grey-buff to slightly pink finely crystalline, with trace of floating sand grains, clear to opaque, medium to coarse, up to 1/10MM minor amounts. Rare chert, white translucent.
7970 - 7980'	100% Dolomite, white, fine to very fine grained, to sucrosic silty, easily broken with abundant reddish brown specks. Dolomite, grey-buff to slightly pink, finely crystalline.
7980 - 7990'	100% Dolomite, pink and buff, mottled, finely crystalline dense. Dolomite, buff to grey-buff, finely crystalline, slightly silty, dense. Dolomite, white, finely crystalline with rare partings filled with apple green shale.
7990 - 8000'	100% Dolomite, buff to grey-buff, finely crystalline, slightly dense. Dolomite, grey-white very fine grained to sucrosic, essentially dense. Dolomite, white with slight green cast, fine to micro-crystalline, silty, dense.
8000 - 8010'	100% Dolomite, pink and red mottled, finely crystalline grading to fine grained, silty in part, with veinlets of secondary dolomite. Dolomite, white to green-white, fine grained to slightly sucrosic. Dolomite, buff to brown, finely crystalline, slightly silty, dense.
8010 - 8020'	100% Dolomite, as above. Dolomite, light buff to grey-buff, finely crystalline to rare medium crystalline, dense. Dolomite, pink and brown, fine grained easily broken, trace of inter-granular porosity? Rare red to maroon shale, dolomitic apparently from shaly partings. Pale green shale noted.
8020 - 8040'	Samples missed.
8040 - 8050'	Dolomite, cream to buff, finely crystalline, slightly silty dense.
8050 - 8060'	100% Dolomite, pink finely crystalline, dense. Dolomite, cream to white, finely crystalline with rare reddish brown blebs or inclusions, slightly silty, dense. Dolomite, white very fine grained to sucrosic, trace of inter-granular porosity? Rare chips of brick red dolomitic shale.

8060 - 8069' 100% Dolomite, pink and red, fine to micro-crystalline, with minor inclusions or blebs of red clay material.
Dolomite, cream to white, as above.
Occasional chip of brick red dolomitic shale and green waxy shale.
Rare chert, yellow-white, translucent, with trace of oolites.

8069 - 8100' Cored Interval

8100 - 8110' Dolomite, white to light green, micro-crystalline, slightly silty, with rare medium to coarse, sub-round and frosted to clear floating sand grains, minor light green waxy shale partings.

8110 - 8120' 100% Dolomite, white micro-crystalline, slightly silty, with trace of rare green shale partings.
Rare dolomite, pink and white micro-crystalline to finely crystalline, dense.

8120 - 8130' 100% Dolomite, cream to white, micro-crystalline, with medium sand grains (floating) sub-round grains, dense.
Dolomite, pink and white as above with minor laminae of shale emerald green.
Dolomite, white micro-grained, sucrosic, trace of fine intergranular porosity?

8130 - 8140' 100% Dolomite, brown-red, micro-crystalline, rarely finely crystalline, grading slightly argillaceous and silty, dense.
Dolomite, pink and white, micro-grained to siliceous, trace of inter-granular porosity?
Dolomite, as above.
Rare shale partings.
Rare limestone, white chalky.

8140 - 8150' 100% Dolomite, grey-brown, finely crystalline, dense.
Dolomite pink and white very fine grained, to sucrosic as above.
Dolomite, light green, pink and white, mottled, micro-crystalline, dense.
Trace of limestone, white, chalky.

8150 - 8160' Dolomite, cream to white micro-crystalline, silty.
Dolomite, light grey-buff, micro-crystalline, silty in part, dense.

8160 - 8170' 100% Dolomite, dark grey-brown, fine to micro-crystalline, dense.
Dolomite, light brown, finely crystalline with many emerald green specks, dense.
Dolomite, tan, micro-crystalline, dense, with dolomite, pink, micro-crystalline, dense.

8170 - 8180' 100% Dolomite, medium grey-brown, micro-crystalline, slightly pyritic, dense.
Dolomite, light to medium grey, micro-crystalline, with minor blebs of emerald green shale or clay material, dense.

8170 - 8180' (Continued)	Dolomite, as above. Rare limestone, as above.
8180 - 8190'	100% Dolomite, white to light grey-white, micro-crystalline slightly silty, dense. Dolomite, white, micro-grained, to sucrosic, trace of inter-granular porosity? Dolomite, pink fine micro-crystalline, with rare dark red argillaceous partings.
8190 - 8200'	100% Dolomite, white to grey-white, micro-crystalline, slightly silty, dense. Dolomite, white micro-grained, as above. Dolomite, pink micro-crystalline, with dolomitic red shale partings.
8200 - 8210'	Dolomite, cream to white, micro-crystalline, as above. Dolomite, buff, finely to micro-crystalline, slight pink banding, rare rusty-red argillaceous veining, dense. Dolomite, white, micro-grained, as above.
8210 - 8220'	100% Dolomite, pink and buff, micro-grained to sucrosic, slight trace of inter-granular porosity. Dolomite, dark grey-brown, finely crystalline, slightly pyritic, dense. Dolomite, cream-white, micro-crystalline with partings filled with dark shaly material. Rare dolomite, medium brown, finely crystalline, dense.
8220 - 8230'	100% Dolomite, dark grey-brown, finely crystalline, dense. Dolomite, grey-buff, micro-crystalline, with rare dark shaly partings. Dolomite, brown, micro-crystalline, dense.
8230 - 8240'	100% Dolomite, dark grey-brown, fine to rare medium crystalline, rare cracks infilled with secondary dolomite, rare scattered fine pyrite, and minor partings infilled with black shale, possible oolite ghosts. Rare dolomite, buff, micro-grained to sucrosic, with trace of inter-granular porosity, very poor. Rare angular clear quartz crystals. Rare limestone, white, chalky.
8240 - 8250'	100% Dolomite, dark grey-brown, mottled appearance, fine to rare medium crystalline, partings noted, filled with black shaly material, minor cracks filled with secondary dolomite. Dolomite, light grey-buff, medium crystalline, dense. Rare dolomite, buff, micro-grained, as above.
8250 - 8260'	100% Dolomite, medium to dark grey-brown, fine grading to medium crystalline as above. Dolomite, light buff, micro-grained, to earthy to sucrosic, rare inter-granular porosity, poor. Dolomite, cream to buff, finely crystalline, rarely medium crystalline, dense. Trace of limestone, white, calcilutite.

8260 - 8270' 100% Dolomite, light grey-brown to brown, micro-crystalline with partings filled with black, shale.
Dolomite, medium to dark grey-brown, as above.
Dolomite, light buff, as above, minor amounts.
Limestone, as above.

8270 - 8280' 100% Dolomite, light grey and white, micro-crystalline, dense.
Dolomite, white, micro-grained to sucrosic, trace of inter-granular porosity?
Dolomite, light grey-brown, as above.
Rare limestone, as above.

8280 - 8290' 100% Dolomite, cream to white, to light buff, micro-crystalline, silty in part.
Dolomite, grey-buff to buff, finely crystalline minor cracks infilled with secondary dolomite.
Dolomite, cream to white micro-grained, to sucrosic, rarely infilled with secondary dolomite, rare trace of inter-crystalline porosity, essentially dense.
Rare limestone, as above.

8290 - 8300' 100% Dolomite, buff to grey-buff, finely crystalline with numerous partings infilled with black shale.
Dolomite, dark grey-brown, finely crystalline, dense.

8300 - 8310' 100% Dolomite, cream to white, micro-crystalline, slightly silty, dense.
Dolomite, medium brown, finely crystalline, rare partings infilled with black shaly material, dense.

8310 - 8320' 100% Dolomite, cream to white, greenish-white in part, micro-crystalline, slightly silty, dense.
Dolomite, medium to dark brown, finely crystalline, rarely pyritic, dense.
Rare angular quartz crystals.

8320 - 8330' 100% Dolomite, dark brown, finely crystalline, resinous appearance, with partings filled with black bituminous shale, rare pockets of clear dolomite rhombs.
Dolomite, medium brown, finely crystalline, dense.
Coarse dolomite rhombs noted, possibly vug linings.

8330 - 8340' 100% Dolomite, dark brown, as above.
Dolomite, white, micro-grained, to sucrosic, trace of very fine inter-granular porosity?
Dolomite, grey-white, micro-crystalline, dense.

8340 - 8350' 100% Dolomite, grey-brown, micro-crystalline, with rare fossil ghosts.
Dolomite, buff to brown, finely crystalline, with trace of shale partings, rare oolite ghosts or shadows.

8350 - 8360' 100% Dolomite, grey-brown to brown, micro-crystalline, dense.
Dolomite, white, micro-crystalline, with rare pyrite, dense.
Dolomite, medium brown, micro-crystalline, grading to slightl fine grained, dense.

8360 - 8370'
100% Dolomite, white, micro-grained, to sucrosic, with trace of inter-granular porosity?
Dolomite, grey-white, as above, dense.
Poor sample after tripping and cleaning to bottom.

8370 - 8380'
100% Dolomite, white to grey-white, mottled, micro-crystalline, slightly silty with partings filled with green waxy shale.
Dolomite, white, micro-grained to sucrosic, rare trace of porosity essentially tight.

8380 - 8390'
100% Dolomite, white, as above.
Dolomite, medium brown, micro-crystalline, to micro-grained dense.

8390 - 8400'
100% Dolomite, medium brown, micro-crystalline, slightly silty, dense.
Dolomite, white, as above.
Trace of coarse dolomite rhombs, possibly vug linings.

8400 - 8410'
As above.

8410 - 8420'
100% Dolomite, tan to grey, micro to crypto-crystalline, minor veining infilled with bituminous material, rarely pyritic, dense.
Dolomite, cream to white, to grey-white, micro-crystalline dense.
Dolomite, dark brown to grey-brown, fine to micro-crystalline with cracks infilled with secondary dolomite, rarely pyritic.
Chert, tan and light grey, with concoidal fractures.

8420 - 8430'
100% Dolomite, grey and grey-white, micro-crystalline, dense
Dolomite, dark grey-brown, finely crystalline with trace of secondary dolomite infilling cracks and trace of dolomite rhombs, possibly scattered vug linings.
Dolomite, light buff, fine to micro-crystalline, with rare isolated fractures partially infilled with coarse dolomite rhombs.
Dolomite, tan and grey, as above.

8430 - 8440'
100% Dolomite, white, micro-crystalline, with numerous partings and stylolites infilled with black shaly material.
Dolomite, medium brown, micro-crystalline, with trace of stylolites infilled with black, shaly material.
Dolomite, grey-brown, micro-crystalline, with many stylolites filled with black shaly material, brown streak rare oolite ghosts.
Dolomite, white, micrograined to sucrosic, rare inter-granular porosity?
One well formed pelecepod noted.

8440 - 8450'
100% Dolomite, white, micro-crystalline, dense.
Dolomite, tan to light brown, fine to micro-crystalline, dense.
Dolomite, medium brown, micro-crystalline, dense.

8450 - 8460'	90% Dolomite, as above. 10% Chert, grey-white and brown and black, with concoidal fractures with well defined oolites, slightly dolomitic centres, oolites have siliceous coating. Occasional quartz clear with oolites.
8460 - 8470'	90% Dolomite, tan, micro-crystalline, dense. Dolomite, cream to white, micro-grained to sucrosic, as above. Dolomite, white and brown, micro-crystalline, oolitic, with oolite centres fibrous, partially destroyed by dolomitization. Occasional oolite not preserved by siliceous material. 10% Chert, as above, oolitic.
8470 - 8480'	90% Dolomite, white and tan, micro-crystalline, oolitic, with black oolites (chert white and grey matrix around oolites) dense. Dolomite creamy-grey, crypto-crystalline, dense. Dolomite, light grey, micro-crystalline, rarely pyritic, dense. 10% Chert, grey-brown, tan and black, oolitic, slightly dolomitic, trace of concoidal fractures.
8480 - 8490'	100% Dolomite, dark and light brown, micro-crystalline, with oolites, partially altered by dolomitization, non siliceous coating on oolites, dense. Dolomite, dark brown, fine to micro-crystalline, resinous appearance with trace of black bituminous shaly partings. Minor dolomite, medium brown, fine to micro-grained, with rare trace of porosity?
8490 - 8500'	100% Dolomite, dark brown, finely crystalline with trace of black bituminous partings and inclusions of clear dolomite crystals. Dolomite, brown and white mottled, micro-crystalline, with scattered altered oolites to ghosts of oolites, trace of partings filled with black bituminous shale. Dolomite, tan, micro to crypto-crystalline, dense.
8500 - 8506'	Dolomite, as above. <u>NOTE</u>: Depth corrected 2' deeper.
8508 - 8510	Poor sample.
8510 - 8520'	100% Dolomite, grey to tan, fine to micro-crystalline, dense. Dolomite, cream to white, micro-crystalline, dense. Very poor sample 90% Cavings.
8520 - 8530'	100% Dolomite, light grey-buff and tan, fine to micro-crystalline, with rare cracks infilled with secondary dolomite and partings infilled with black shale. Dolomite, grey-white, finely crystalline, grading to micro-granular, dense. Very poor sample as above.

8530 - 8535'	100% Dolomite, white to grey-white, micro-crystalline, dense. Dolomite, light grey-brown, medium crystalline, with trace of shale partings. Dolomite, brown and white, mottled, finely crystalline minor oolite ghosts or shadows, dense. 50% Shale cavings.
8535 - 8546'	Cored Interval.
8546 - 8550'	100% Dolomite, grey-white to white, finely crystalline, with rare cracks infilled with secondary dolomite, dense. Very poor sample after coring, tripping and reaming. 95% Shale cavings.
8550 - 8560'	100% Dolomite, grey-white, fine to micro-crystalline, with cracks infilled with secondary dolomite. Dolomite, medium brown to grey-brown, finely crystalline, trace of secondary dolomite infilling cracks and fractures, stylolites infilled with black shaly material. Dolomite, medium brown, finely crystalline, with rare fossil ghosts, dense.
8560 - 8570'	100% Dolomite, medium brown to grey-brown, finely crystalline, trace of stylolites and partings infilled with black shaly, material. Dolomite, medium to dark brown, finely crystalline, with cracks infilled with secondary dolomite, slight resinous appearance, dense. Dolomite, light grey to grey-white, fine to micro-crystalline, dense.
8570 - 8580'	100% Dolomite, medium to dark brown, mottled, finely crystalline, with minor partings infilled with secondary dolomite, dense. Dolomite, grey-white to grey, finely crystalline, to micro-crystalline, rarely crypto-crystalline, dense.
8580 - 8590'	100% Dolomite, medium to dark brown, mottled, finely crystalline, with cracks or fractures infilled with secondary dolomite, slight resinous appearance, partings or stylolites infilled with black shaly material. Dolomite, grey-white, micro-grained, slightly sucrosic.
8590 - 8600'	100% Dolomite, medium to dark brown, mottled, finely crystalline, resinous appearnace, rare very fine inter-crystalline and pin point porosity, numerous cracks infilled with secondary dolomite and partings infilled with black bituminous material. Dolomite, light brown and white, mottled, finely crystalline, dense. Dolomite, buff, micro-grained, to sucrosic.

8600 - 8610' 100% Dolomite, medium and dark brown, mottled, finely crystalline with cracks or fractures infilled with secondary dolomite and partings and stylolites infilled with black shaly material.
Dolomite, medium brown and white, mottled, finely crystalline, with rare pin point inter-crystalline porosity essentially dense, minor cracks or fractures infilled with secondary dolomite.
Rare fossil ghosts.

8610 - 8620' 100% Dolomite, medium and dark brown, as above.
Dolomite, buff, micro-grained, slightly sucrosic with rare fossil ghosts.
Dolomite, white, very fine grained to sucrosic, slight trace inter-granular porosity?

8620 - 8630' 100% Dolomite, white to grey-white, micro-crystalline, pyritic in part, grading to rare crypto-crystalline, trace of fractures, dense.
Dolomite, dark brown, as above.
Dolomite, white, micro-grained, as above.

8630 - 8640' 100% Dolomite, grey-white to pearly grey, micro-crystalline to crypto-crystalline, rarely pyritic, dense.
Dolomite, grey-tan, crypto-crystalline dense.
Dolomite, grey-white, micro-grained to earthy, slight trace of stylolites, dense.

8640 - 8650' 100% Dolomite, dark and medium brown, mottled, finely crystalline, resinous appearance, cracks or fractures infilled with secondary dolomite and traces of partings infilled with black shaly material.
Dolomite, grey-tan, crypto-crystalline, slightly pyritic dense.
Dolomite, grey to grey-white, micro-crystalline, dense.

8650 - 8660' 100% Dolomite, dark and medium brown, mottled, finely crystalline, with resinous appearance, dense.
Dolomite, grey to tan, crypto-crystalline, to micro-crystalline, rarely pyritic, dense.

8660 - 8670' 100% Dolomite, dark and medium brown, finely crystalline, resinous appearance, rare carbon particles, trace of fractures infilled with secondary dolomite, and partings infilled with black bituminous shale, rare brachiopod casts and ghosts.
Dolomite, grey-tan, micro to crypto-crystalline, with trace of partings infilled with bituminous shale.

8670 - 8680' 100% Dolomite, as above.
Dolomite, grey-buff, micro-grained to earthy, rare inter-granular porosity?
Minor dolomite, light and medium brown, micro-crystalline, with minor inclusions of calcite crystals, rare oolite ghosts, dense.

8680 - 8690' Dolomite, as above.

8690 - 8700' 100% Dolomite, dark and medium brown, mottled, finely crystalline, slight resinous appearance, with trace of cracks infilled with secondary dolomite.
Dolomite, grey and tan, micro-crystalline to crypto-crystalline, dense.
Dolomite, white, micro-crystalline, grading to slightly earthy on edges of chips, dense.

8700 - 8710' Dolomite, as above.

8710 - 8720' 100% Dolomite, medium to dark brown, finely crystalline, with cracks infilled with secondary dolomite and partings infilled with black slightly bituminous shale.
Dolomite, dark to medium brown, slight resinous appearance dense.
Dolomite, dark brown, crypto-crystalline, slightly silty, dense.

8720 - 8730' Dolomites, as above.
Dolomite, light grey-white, to light grey-buff, micro-crystalline, dense.
Dolomite, grey-buff, micro-crystalline, to slightly earthy dense.

8730 - 8740' 100% Dolomite, dark grey-brown, crypto-crystalline to micro-crystalline, grading slightly shaly, dense.
Dolomite, tan and medium brown, micro-crystalline, grading to crypto-crystalline.
Dolomite, as above.

8740 - 8750' 100% Dolomite, tan to grey-tan, and dark brown, crypto-crystalline to micro-crystalline, dense.
Minor dolomite, medium and dark brown, finely crystalline slight resinous appearance, as in previous samples.
Trace of dolomite, grey-brown, micro-crystalline with rare oolites, altered, trace of clear sand grains.

8750 - 8760' 100% Dolomite, as above.

8760 - 8770' 100% Dolomite, grey-tan, crypto-crystalline, dense.
Dolomite, dark grey-brown, crypto-crystalline, rarely pyritic, dense.
Dolomite, light grey-buff, fine to micro-crystalline, with rare floating sand grains, sub-round, clear.
Minor dolomite, pearly grey, micro-crystalline, dense.
Rare dolomite, grey-buff, micro-crystalline, grading slightly argillaceous, dense.
Rare gypsum crystals.

8770 - 8780' 100% Dolomite, light grey-brown to tan, crypto-crystalline dense.
Dolomite, medium brown and white, mottled, fine to micro-crystalline, with abundant oolites, altered and rare floating sand grains, mediu, clear, sub-round.
Dolomite, medium grey-brown, micro to crypto-crystalline, dense, with trace of partings infilled with black bituminous shale, rare floating sand grains, medium(?mm).

8780 - 8787' (Circ.)
100% Dolomite, brown to dark brown, and dark grey-brown, fine crystalline grading to slightly argillaceous, rare partings filled with black bituminous shale, rare gypsum inclusions. Dolomite, grey-brown, micro-crystalline with trace of floating sand grains, medium, dense.
Dolomite, medium brown, very oolitic, rare ostracods, slightly gypsiferous, oolites appear slightly altered to clear dolomite centers and rarely pyritized.
Dolomite, buff to brown, argillaceous.
Rare anhydrite, tan and white, crypto-crystalline.
Rare gypsum crystals.

8787 - 8790'
100% Dolomite, tan and brown, crypto-crystalline, dense.
Dolomite, grey-buff, argillaceous, dense.
Dolomite, dark and light brown, very oolitic, with oolites altered.
Rare gypsum noted.
Poor sample after tripping.

8790 - 8800'
Dolomites, as above.
Very poor sample.

8800 - 8810'
100% Dolomite, grey-buff to tan, crypto-crystalline, dense.
Dolomite, medium to dark brown, mottled, finely crystalline, with trace of bituminous partings.
Dolomite, dark brown, micro-crystalline, dense.
Occasional fragment of tan crypto-crystalline anhydrite.
Abundant cavings.

8810 - 8820'
100% Dolomite, grey-buff, and tan, crypto-crystalline, dense.
Dolomite, medium brown and white, mottled, finely crystalline to micro-crystalline, dense.
Dolomite, cream to white, micro-crystalline, dense.
Very poor samples, 90% cavings.

8820 - 8830'
100% dolomite, tan and dark brown, crypto-crystalline, dense.
Dolomite, medium grey-buff, argillaceous, dense.
Dolomite, light buff, argillaceous dense.
Rare gypsum crystals.
Rare white anhydrite.

8830 - 8840'
100% Dolomite, dark brown, crypto-crystalline, to aphanitic with trace of gypsum.
Dolomite, light buff, argillaceous, dense.
Dolomite, light to medium grey, argillaceous, dense.
Trace of gypsum and rare white anhydrite.

8840 - 8850'
100% Dolomite, dark brown, crypto-crystalline, dense.
Dolomite, as above.

8850 - 8860'
100% Dolomite, grey-buff, micro-crystalline, argillaceous dense.
Dolomite, dark brown, crypto-crystalline, grading aphanitic
Dolomite, grey-brown, micro-crystalline, slightly argillaceous

8860 - 8862'	Drilled, no sample caught.
8862 - 8872'	Cored Interval.
8872 - 8880'	Very poor sample. 99% Shale, cavings. Lithology assumed as in cored interval.
8880 - 8890'	Very poor sample. 99% Shale cavings. Dolomite, dark brown, micro to crypto-crystalline, dense, with anhydrite tan and grey crypto-crystalline.
8890 - 8900'	Dolomite, dark brown, micro-crystalline, dense. Dolomite, light grey-brown, micro-crystalline, dense. Dolomite, medium to dark brown, crypto-crystalline, dense.
8900 - 8905'	100% Dolomite, tan and grey-tan, crypto-crystalline, rarely pyritic, dense. Dolomite, light brown, micro-crystalline, dense. Dolomite, medium brown, slightly anhydritic, dense. Rare anhydrite, grey-white and tan crypto-crystalline.
8905 - 8910'	100% Dolomite, as above. Rare anhydrite, tan, crypto-crystalline.
8910 - 8915'	100% Dolomite, dark brown, micro-crystalline, dense, with trace of argillaceous residue. Dolomite, tan to brown, crypto-crystalline, dense. Dolomite, medium brown, micro-cystalline, dense. Rare anhydrite, as above.
8915 - 8920'	100% Dolomite, brown to tan, crypto-crystalline, dense. Dolomite, dark brown to grey-brown, micro-crystalline, dense. Dolomite, light to medium brown, micro-crystalline, grading argillaceous, dense.
8920 - 8925'	100% Dolomite, brown to tan, as above. Dolomite, medium brown, micro-crystalline, rare anhydrite or gypsum on chip edges, possibly fractures infilled with gypsum or anhydrite.
8925 - 8930'	100% Dolomite, dark brown, micro-crystalline, slightly argillaceous, dense. Dolomite, grey-brown, micro-crystalline, with rare inclusions of clear gypsum. Dolomite, dark grey-brown, argillaceous, grading to dolomitic mudstone, rare fine disseminated pyrite noted, dense. Rare anhydrite, grey and tan crypto-crystalline. Rare shale, black to dark grey with bituminous in situ?
8930 - 8935'	100% Dolomite, dark brown, micro-crystalline slightly argillaceous, dense. Dolomite, dark grey-brown, shaly, slightly micro-micaceous, grades to dolomitic shale.

8930 - 8935' (Continued)
Shale, as above.
Rare anhydrite, brown and tan, dolomitic.

8935 - 8940'
100% Dolomite, dark and grey-brown, with rare cracks infilled with gypsum clear, rarely argillaceous, dense.
Dolomite, brown to tan, crypto-crystalline, dense.
Rare shaly dolomite, as above.
Rare dolomite, dark brown, slightly argillaceous, with rare partings filled with black shaly material.

8940 - 8945'
100% Dolomite, as above.
Dolomite, dark brown, micro-crystalline, grading to argillaceous.
Rare dolomite, dark brown to black, shaly, micro-micaceous.
Dolomite, dark tan, crypto-crystalline, dense.
Rare shale, black bituminous silty, micro-micaceous, slightly dolomitic.

8945 - 8950'
Dolomite, as above.

8950 - 8955'
100% Dolomite, dark brown, micro-crystalline, dense.
Dolomite, light brown, micro-crystalline, slightly argillaceous, dense.
Rare shale, as above.

8955 - 8960'
100% Dolomite, dark brown, micro-crystalline, slightly anhydritic, dense, with trace of dark brown to black, bituminous shale partings.
Dolomite, dark brown, micro-crystalline, to slightly argillaceous, rare fossil casts.
Dolomite, light brown crypto-crystalline, dense.
Shale, as above.
Rare anhydrite, tan, crypto-crystalline.
Rare sandstone, grey, fine grained, dolomitic.

8960 - 8965'
100% Dolomite, as above.
Dolomite, dark brown, micro-crystalline to argillaceous grading to dolomitic mudstone.
Dolomite, tan to light brown, micro-crystalline, grading to crypto-crystalline, dense.
Rare anhydrite, as above.
Rare sanstone, as above, slightly pyritic, slightly vitreous.

SALINE RIVER 8967' (-7955')

8965 - 8970'
100% Dolomite, as above.
Dolomite, light grey to grey-brown, sandy floating sand grains and rare large flakes of mica.
Trace of shale green dolomitic with fine floating sand grains.
Rare sandstone, as above.

8970 - 8975'
90% Dolomite, light buff, micro-crystalline, very sandy, pyritic, dense.
10% Shale, green dolomitic sandy and silty.
Shale,brick red, slightly dolomitic, soft, slightly sandy.

8975 - 8980'	60% Dolomite, as above. Dolomite, dark brown, crypto-crystalline, dense. 40% Shale, rusty red, slightly dolomitic, rarely gypsiferous. Shale, apple green, rarely pyritic, slightly dolomitic, with floating sand grains, medium. Shale, red soft, slightly dolomitic, slightly pyritic. Rare gypsum.
8980 - 8985'	Shale, as above. Rare gypsum noted. Rare sandstone, medium to coarse, sub-round to sub-angular pyritic, slightly dolomitic, dense. Dolomite, as above. Sample calibre poor, abundant cavings.
8985 - 8990'	70% Dolomite, medium grey to slightly grey-green, shaly, dense. Dolomite, as above. Dolomite, grey-buff, very sandy, dense. 30% Shales as above. Trace of anhydrite, brown, crypto-crystalline, and rare gypsum.
8990 - 8995'	70% Dolomites, as above. 30% Shales, as above.
8995 - 9000'	90% Dolomite, medium grey, micro-crystalline, grading to argillaceous. Dolomite, light grey-brown, micro-crystalline with trace of fine disseminated pyrite, dense. Dolomite, grey, shaly, dense, grading to dolomitic mudstone. 10% Anhydrite, brown, crypto-crystalline, slightly dolomitic. Rare shale green and red as above. Poor samples, abundant cavings.
9000 - 9005'	80% Dolomite, medium grey, micro-crystalline, grading argillaceous, slightly pyritic, dense. 10% Shale, green, as above. Rare red shale fragments. 10% Anhydrite, brown and grey, crypto-crystalline, slightly dolomitic.
9005 - 9010'	80% Dolomite, medium grey to slightly grey-green, slightly argillaceous, minor inclusions of pyrite. Dolomite, grey-buff, micro-crystalline, very sandy, slightly pyritic, rare partings filled with gypsum. 10% Shale, green, slightly gypsiferous, firm. Rare shale, rusty red gypsiferous. Rare pink and white marl. 10% Anhydrite, brown, crypto-crystalline. NOTE: Samples from top of the Saline River to 9010' very poor quality - abundant cavings.
9010'	Total Depth

SECTION III

AQUITAINE COMPANY
OF CANADA LTD.

SECTION III - Engineering Summary

(a) Report of Drill Stem Tests: See chart attached.

(b) Casing Record: See "Casing Information", "Running and Cementing" and "Engineering Pipe Tally" attached.

(c) Bit Record: See "Bit Record" attached.

(d) Mud Report: See "Mud and Additive Summary" attached.

(e) Deviation Record: See "Deviation Survey Report" attached.

(f) Abandonment Plugs: See "Plug-Back and Abandonment Report" attached.

(g) Lost Circulation Zones: Not Applicable.

(h) Report of Blowouts: Not Applicable.

WELL NAME - AQUIT MOBIL AMIESSODO CANYON

LOCATION - K-03

DST NUMBER - 1

INTERVAL TESTED - 7320 TO 7600

RECORDER NO. - 3896

DEPTH - 7348

INITIAL SHUT IN PRESSURE

TIME(MIN) Φ	T + Φ / Φ	PSIG
0	0.0000	163
5	2.0000	3090
10	1.5000	3110
15	1.3333	3125
20	1.2500	3134
25	1.2000	3140
30	1.1667	3146
35	1.1429	3152
40	1.1250	3158
45	1.1111	3164
50	1.1000	3170
55	1.0909	3174
60	1.0833	3179

EXTRAPOLATION OF INITIAL SHUT-IN = 3208.81

WELL NAME - AQUIT MOBIL AMHESSDODO CANYON

LOCATION - K-03

DST NUMBER - 1

INTERVAL TESTED - 7320 TO 7600

RECORDER NO. - 3896

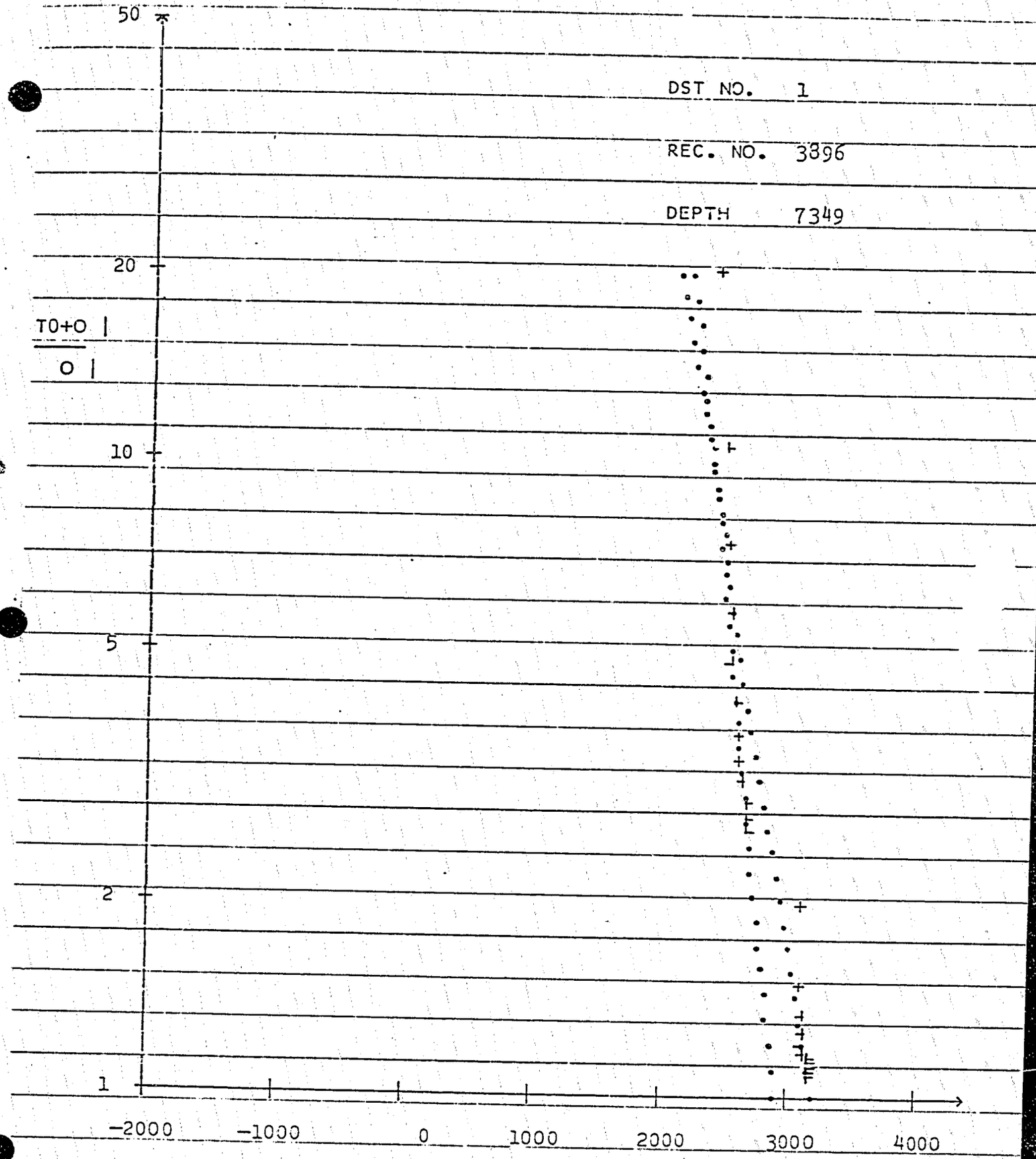
DEPTH - 7348

SECOND SHUT IN PRESSURE

TIME(MIN) Φ	$\frac{T + \Phi}{\Phi}$	PSIG
0	0.0000	832
5	20.4000	2411
10	10.7000	2456
15	7.4667	2493
20	5.8500	2522
25	4.8800	2548
30	4.2333	2572
35	3.7714	2595
40	3.4250	2616
45	3.1556	2634
50	2.9400	2652
55	2.7636	2667
60	2.6167	2682

EQUATION OF FITTED LINE IS LOG((TO+Φ)/Φ)= -0.00186 PSIG + 5.40370

EXTRAPOLATION OF SECOND SHUT-IN = 2906.71 M= 537.91



PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA					
Test No.	1	Lynes Test	1		
Formation	Bear Rock	T.D.	9010	Ft.	
Interval Tested	7320	Ft. to	7600	Ft.	
Feet of Net Pay Tested	280			Ft.	
Type of Test	By-pass Dual Straddle				
Cushion		Amount		Ft.	
Started in Hole at	8:15 Hrs.	Tool Open at	11:25 Hrs.		
Pre-Flow	5 Mins.	Initial Shut-in	60 Mins.		
2nd Flow	Mins.	Second Shut-in	Mins.		
Final Flow	92 Mins.	Final Shut-in	60 Mins.		

Remarks: Broken snap ring on rec#943. Two feet of fill.

Blow: Weak initial puff. Weak blow on final flow, with increase after 55 minutes.

GENERAL INFORMATION	
Company	Aquitaine Oil of Canada Ltd.
Address	540 Fifth Avenue S.W. Calgary, Alberta
Well Name	Aquit Mobil Amhess DoDo Canyon
Well Number	K-03 65o02' 126o46'
K.B. Elevation	1012 Sub-Sea Elevation
Area	Norman Wells Province N.W.T.
Company Rep.	G. Robertson
Tester	D. Morrison
Contractor	Petrolia Rig No. 7
Ticket No.	2669 Date Jan 17/72
Service Reports To:	8 - above address

GAS BLOW MEASUREMENTS

Measured with

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type	Gel Cem
Weight	9.5 Viscosity 75 Water Loss 9.8
Filter Cake	2/32" Bottom Hole Temperature 176o
Drill Pipe Size	4"H90 Weight 15.7
Drill Collars	5+4½H90 I.D. 2 7/8 Feet Run 395.55
Main Hole or Casing Size	8 3/4"
Rathole or Liner Size	No. of Feet
Bottom Hole Choke Size	5/8"
Surface Choke Size	
Packer Rubber Size	7 1/2"

REMARKS: Shut-in pressures suggest average permeability within the interval tested.

RECOVERY

TOTAL FLUID RECOVERED 1620 Ft. Consisting of:

400	Ft. of	fresh mud
490	Ft. of	muddy water
730	Ft. of	salt water
	Ft. of	

Test was/was not Reverse Circulated

Oil Recovery A.P.I. Water Specific Gravity

Salinity 73,200 PPM

PRESSURE READINGS

	Inside ___ Outside X	Inside ___ Outside X	Inside ___ Outside X	Inside ___ Outside ___
	Recorder No. 943	Recorder No. 3896	Recorder No. 1097	Recorder No.
	Capacity 5000	Capacity 6000	Capacity 4100	Capacity
	Depth 7305	Depth 7348	Depth 7615	Depth
NUMBER KEY:				
1 - INITIAL HYDROSTATIC	3664	3711	3822	
2 - PRE-FLOW	129	163		
3 - INITIAL SHUT-IN	3137	3179	below	
4a - 2nd INITIAL FLOW			straddle	
4b - 2nd FINAL FLOW				
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	156	198		
6 - FINAL FLOW	stylus	832		
7 - FINAL SHUT-IN	malfunctioned	2600		
8 - FINAL HYDROSTATIC		3660	3839	

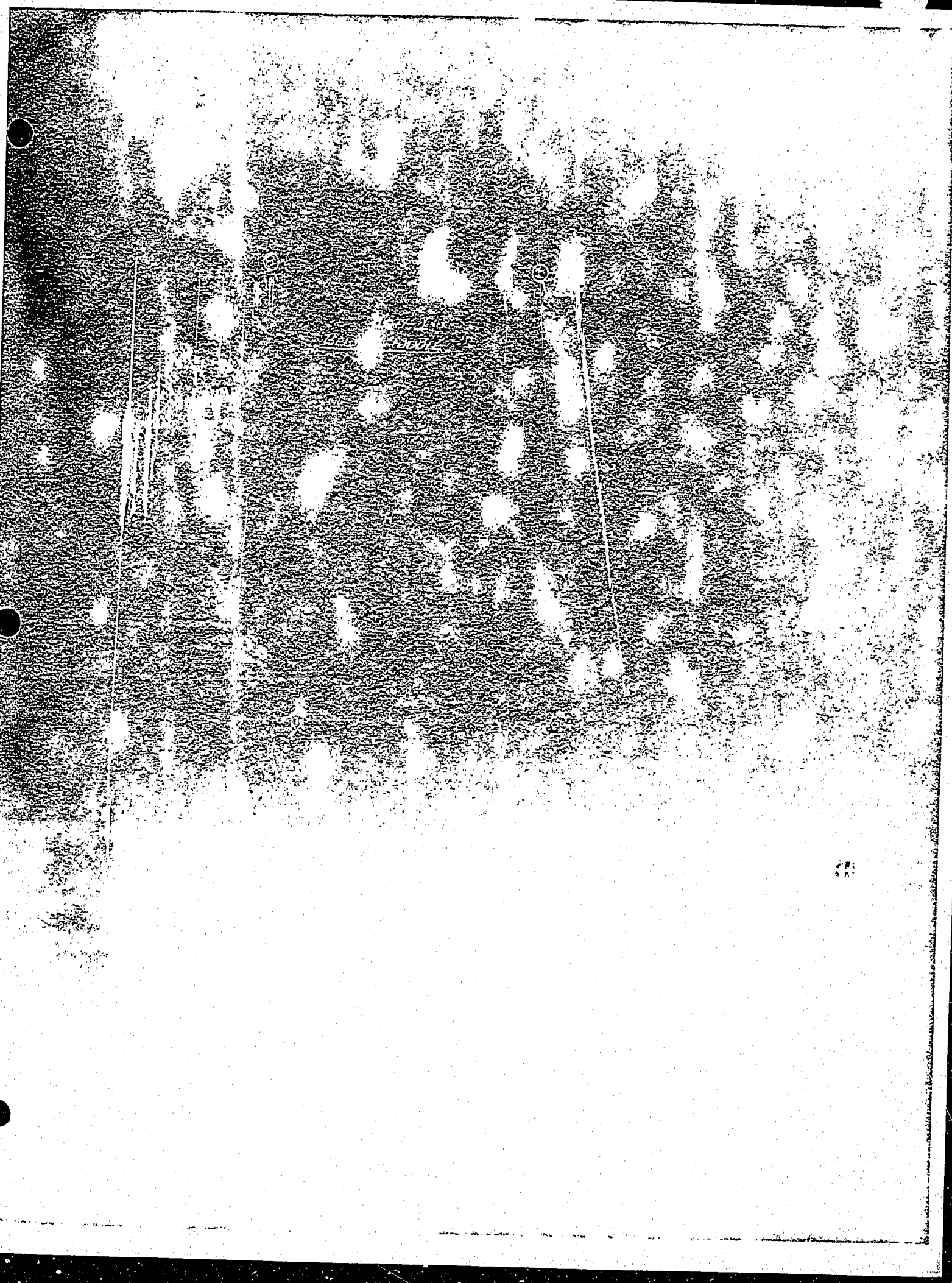
Aquitaine Oil of Canada Ltd. — Company

Aquit Mobil Amhess DoDo Canyon K-03 — Well Name and Description

#1 — Test No.

Jan 17/72 — Date of Test





FORM 5115-1

CASING INFORMATION

AQUITAINE
COMPANY OF CANADA LTD.

Surface Casing
~~XXXXXXXXXXXXXXXXX~~ O.D. 9-5/8"
~~XXXXXXXXXXXXXXX~~
~~XXXX~~

Well Aquit Mobil Am Hess Dodo Canyon K-03 Location Dodo Canyon K-03 Date December 4, 1971

Jts. on Locat.	Ft. on Locat.	Csg. Wt.	Gr.	Rge.	Thd.	T.&C.	Make	Jts. Run	Depth Landed	Ft. Run in Well
29	1086.16	36#	J-55	III	8Rd	ST&C	Chez & Mannex	27	1008	1009.16

Shoe: Make Howco	Type Guide	Length	1.10
Collar: Make Howco	Type Float	Length	1.90
Landing Joint (when used) Length			
Overall Length of Casing String			1012.16
Feet up from K.B. (Subtract)			4.16
Setting Depth:	By Driller 1008.00	By Tally	1008.00
Shoe Joint:	Overall 38.98	(Subtract)	38.98
Float Collar Landed:	By Driller 969.02	By Tally	969.02

CENTRALIZERS

Make Howco

Number Three

Positions 5' above shoe, #3 and #5 joints

SCRATCHERS

Make

Number

Positions N/A

No. of Collars Welded Float Shoe and Float Collar were thread locked

Remarks:

Agent of Operator E. Schack

FORM 5114 - 1

RUNNING AND CEMENTING

AQUITAINE COMPANY OF CANADA LTD.

Surface Casing
XXXXXXXXXXXXXXXXX O.D. 9-5/8"
XXXXXXXXXXXXXXX
XXXXX

GENERAL

Well Aquit Mobil Am Hess Dodo Canyon K-03 Location Dodo Canyon K-03 Date December 4, 1971

K.B. Elevation 1014' K.B.-Csg. Flge. 17' Total Depth (Driller) 1008'

Hole Size	12-1/4"			Casing in Hole	13-3/8"	
Depth	1,008'			Depth Set	79'	

Mud: Type Water Gel Wt. 8.9 Visc. 70 W.L.

B.O.P.'s None

RUNNING

Power Tongs Rope Torque: Max. 7000 Nom. 4700 Min. 3500

Time pipe started 10:00 a.m. Time on Bottom 5:00 p.m. Time Circulated 1 hour

Fill-up Points Every Joint Btm. by Csg. 1008' Ft. up from K.B. 11.16'

Remarks

CEMENTING

Cement Co. Howco Operator G. Convey Time on Location December 2, 1971

Types & Quantities of Cement 550 cubic feet of Oilwell + 2% $CaCl_2$

Ht. to be Cemented 1,008'

Water ahead 5 bbls. Mix Times: Start 6:03 p.m. Finish 6:30 p.m. Slurry Wt. 15.5

Calc. Disp. 76 barrels bbls. Est. Disp. Time 30 Mins. Start 6:45 p.m. Finish 7:15 p.m.

Max. Pumping Press. 500 Bump. Press 1000 Bumped by Convey No. Times Bumped Once

Cement Returns: Yes XX Remarks Good cement returns

LANDING:

Time Landed 9:00 p.m. Date December 3, 1971 Unit. Wt. of Csg. String (less blocks) 32,000

Wt. Landed in Slips 24,000 Make of Bowl OCT Nom. Size 12" Series 900

Slip & Seal Assembly O.C.T. C-22 12" x 9-5/8" Remarks

Agent of Operator E. Schack

FORM 5116-1

ENGINEERING PIPE TALLY SHEET

AQUITAINE COMPANY OF CANADA LTD.

WELL NAME Aquit Mobil Am Hess Dodo Canyon K-03 DATE December 4, 1971

* 35	98	36	10
42	67	34	15
34	15	40	35
35	78	43	21
34	00	43	20
35	60	36	80
37	40	37	40
35	25	** 40	55
37	40	** 36	30
36	25		
42	72		
39	40		
35	90		
36	10		
34	25		
37	00		
35	70		
34	45		
41	70		
36	40		
738	10	348	06

~~TUBING~~/CASING

O.D. 9-5/8"

Wt. 36#

Grade J-55

Range III

Thread 8Rd

Collar ST&C

Make Chez & Mannex

SUMMARY		
Col. 1	738	10
2	348	06
3		
4		
5		
	1086	16
Fwd.		
Fwd.		
Fwd.		
	1086	16
	76	85
	1009	16

Tallied by: E. Schack
Threads off.

29 Tot. Jts. on location

2 Jts. out (Incl. Ldg. Jt.)

27 Jts. perm. in hole

Remarks: * Shoe Joint ** Joints left out
Mill Tally of pipe run in hole 1017.63
Mill Tally of pipe left out 77.52

Agent of Operator E. Schack

5112-2

BIT RECORD

AQUITAINE
COMPANY OF CANADA LTD.

WELL NAME Aquit Mobil Am Hess Dodo Canyon K-03
LOCATION Dodo Canyon K-03
CONTRACTOR Petrolia Oilwell Drilling
RIG No. Seven (7)
DATE SPUDDED 8:00 a.m., November 28, 1971
DATE RIG RELEASED 4:00 p.m., Jan. 20, 1972

DRILL PIPE : SIZE O.D. 4" WT. 15.7 TYPE T.J. 3-1/2" H-90
SIZE O.D. WT. TYPE T.J.
DRILL COLLARS: No. 5 O.D. 7" I.D. 2-3/8" TYPE T.J. 5" H90
No. 20 O.D. 6-1/4" I.D. TYPE T.J. 4-1/2" H-90
No. O.D. I.D. TYPE T.J.
No. O.D. I.D. TYPE T.J.

BIT NO	SIZE	MAKE	TYPE	SERIAL NO	NOZZLE SIZES	DEPTH OUT	FEET	HOURS	CUM. HOURS	NO. of D.C.'s	WT. 1000#	RPM	DULL COND T	B	G	REMARKS
1	8-3/4	Smith	SDT	HN088	2-12 1-13	2613	1605	19-1/4	19-1/4	19	45	120	5	4	1	
2	8-3/4	Smith	SDGH	HC501	"	2982	369	8-1/4	27-1/2	25	50	75/110	6	5	1	
3	"	Sec.	M4NGJ	911953	"	3709	727	20-1/2	48	25	45	70	4	7	1	
4	"	Smith	SDGH	H9925	"	4132	423	17	65	"	"	75/110	4	5	1	
5	"	"	"	4C491	"	4632	500	20-1/4	85-1/4	"	48	100	4	7	1	
6	"	Sec.	M44N	299463	"	5197	565	19-1/2	104-3/4	"	"	"	5	5	1	
7	"	"	S44	271654	"	5400	203	6	110-3/4	"	45	100	6	3	1	
8	"	"	M44N	291389	3-13	5650	250	19-1/2	120-1/4	"	50	70	8	5	1	
9	"	"	S88	335119	3-13	5857	207	14-1/4	134-1/2	"	30	60	2	3	1	
10	6-1/16	Dia.	S88	0166C		5888	31	3-3/4	138-1/4	"	10	72	Good			
10	8-3/4	Sec.	RR	335119	"	6312	424	27-1/4	165-1/2	"	30/40	60	3	4	1	
20	6-1/16	Dia.		0166C		6327	15	2-3/4	168-1/4	"	10	72	Good			
11	8-3/4	Sec	RR S88	335119	3-13	6626	299	26-3/4	195	"	40	60	6	4	1	
12	8-3/4	"	S88	335325	"	7471	845	70-1/2	265-1/2	"	30/40	60	8	5	1	
13	8-3/4	Reed	SCH5	689114	3-14	7664	193	25	290-1/2	22	35	40	8	3	1	
14	8-3/4	Sec.	M88	340014	3-14	7715	51	10-1/2	301	22	35	40	2	1	1	
30	6-1/16	Dia.		0166C		7730	20	3	304	22	12/14	72	Good			
15	8-3/4	Sec.	M88	341098	3-14	8069	339	54	358	22	40	40	4	8	1	
40	6-1/16	Dia.		0166C		8100	31	6-1/2	364-1/2	22	14	72				Burned spot on face.
16	8-3/4	Sec.	M88	912305	3-14	8360	260	39-1/2	404	22	40	42	8	8	1	

SWB-2

BIT RECORD

AQUITAINE
COMPANY OF CANADA LTD.

PAGE 2 OF 2

WELL NAME Aquit Mobil Am Hess Dodo Canyon K-03
LOCATION Dodo Canyon K-03
CONTRACTOR Petrolia Oilwell Drilling
RIG No. Seven (7)
DATE SPUDDED 8:00 a.m., November 28, 1971
DATE RIG RELEASED 4:00 p.m., January 20, 1972

DRILL PIPE : SIZE O.D. 4" WT. 15.7 TYPE T.J. 3-1/2" H-90
SIZE O.D. WT. TYPE T.J.
DRILL COLLARS: No. 5 O.D. 7" I.D. 2-3/8" TYPE T.J. 5" H-90
No. 20 O.D. 6-1/4" I.D. TYPE T.J. 4-1/2" H-90
No. O.D. I.D. TYPE T.J.
No. O.D. I.D. TYPE T.J.

BIT NO.	SIZE	MAKE	TYPE	SERIAL NO.	NOZZLE SIZES	DEPTH OUT	FEET	HOURS	CUM. HOURS	NO. of D.C.'s	WT. 1000#	RPM	DULL COND T	B	G	REMARKS
17	8-3/4	Reed	SCH5	689113	2/14 1/15	8509	148	24-3/4	428-3/4	22	40	42	8	4	1	
17RR	"	Sec.	M88	RR	"	8535	26	4-1/2	433-1/4	22	38	42	6	3	1	
8C	6-1/16 Dia.		011-4			8546	11	2-1/4	435-1/2	22	10	58	Good			
18	8-3/4	Smith	5JS	EN731	1-14 2-15	8787	241	37-3/4	473-1/2	22	40	40	8	5	1	
19	"	Smith	5JS	EZ079	"	8860	73	11-1/2	484-3/4	22	48	40	2	1	1	Good for rerun.
9C	6-1/16 Dia.		011-4	-	-	8860	-	-	-	22	-	-	Good			Dropped on Bottom.
19	8-3/4	Smith	5JS	RR	1-14 2-15	8862	2	1/2	485-1/4	22	38	40	2	1	1	
9C	6-1/16 Dia.		011-4		2-14	8872	10	2-1/4	487-1/2	22	10/12	30/76	Groved			
20	8-3/4	Smith	5JS	FH029	1-15	9010	138	32	519-1/2	22	35/40	40	2	2	1	

Form No. 5006

Mud used on Surface Hole.

DRILLING FLUID DATA SHEET — WEEKLY REPORT

WELL Conoco Mobil Am Hess

DeDe Canyon K-03

DATE	TIME	DEPTH	WEIGHT LBS PER GAL. FLOWLINE	WEIGHT SUCTION	VISCOSITY DISCHARGE DESANDER	VISCOSITY UNDERFLOW DESANDER	VISCOSITY DISCHARGE DESILTER	VISCOSITY UNDERFLOW DESILTER	VISCOSITY FUNNEL	SOLIDS % PLASTIC	SOLIDS % YIELD VALUE	SOLIDS % GELS	SOLIDS % BENT DRILL FLOWLINE	SOLIDS % BENT DRILL DISCH. DESANDER	SOLIDS % BENT DRILL DISCH DESILTER	SOLIDS % UNDERFLOW DESANDER	SOLIDS % UNDERFLOW DESILTER	RATE GAL/MIN API	FILTRATE 10MIN	FILTRATE DYNAMIC	FILTRATE PH	FILTRATE TOTAL HARDNESS	FILTRATE CHLORIDE	ION ANAL. SHALE DENSITIES	ION ANAL. ME BLUE	SHALE ANAL. GEL Soda/LBS bags	SHALE ANAL. BARITES 100# bags	PRODUCTS Caustic 20 # bags	PRODUCTS Bicarb 50 # bags	PRODUCTS Rev Dust 50 # bags	PRODUCTS Brine Seal 50 # bags	DAILY COST	CUM. COST	REMARKS
Dec 1	5 p.m.	70'							53																22		1						62.45		
	9 p.m.	1120'							60																25		3	32					122.75		
	11 p.m.	2361'							70																14		2						114.90		
Dec 2	5 a.m.	4550	78						50																22		2	15					88.45		
	12 p.m.	4600							60																20		4	50					139.50		
	11 p.m.	5332							45																43		3	18					152.05		
Dec 3	5 a.m.	6068	88						70																10				10				97.50	714.55	

Hit 15° Deflection Left on Drill

Form No. 5736

DRILLING FLUID DATA SHEET — WEEKLY REPORT

WELL Amoit Mobil Am Hogs

DaDe Canon K-03

DATE	TIME	DEPTH	WEIGHT LBS. PER GAL. Flowline	Suction	VISCOSITY Discharge Desander	Underflow Desander	Discharge Desilter	Underflow Desilter	Funnel	SOLIDS % Plastic	Yield Value	Gels	Bent Flowline	Drill Flowline	Bent Disch. Desander	Drill Disch. Desander	Bent Disch. Desilter	Drill Disch. Desilter	Underflow Desander	Underflow Desilter	RATE GAL/MIN	FILTRATE API	HPHT	Dynamic	pH	Total Hardness	ION ANAL. Chloride	Shale Densities	SHALE ANAL. Me Blue	Gel #/BBL	Barites	PRODUCTS	DAILY COST	CUM. COST	REMARKS
Dec 6	Drilling	2814	9.3				132	34	12	7																							714.55	Surface Loc.
7	"	3411	9.2				11.6	40	14	7																							844.05	
8	"	3780	9.3				13.5	40																									1024.15	
9	"	4132	9.3				11.6	45	14	8																							1134.95	
10	"	4632	9.3				12.0	51																									1363.95	
11	"	5072	9.4				13.1	53	16	13																							1469.35	
12	"	5405	9.4				13.0	49	15	14																							1537.25	
13	"	5650	9.2				12.5	54	16	12																							1647.65	
14	"	5857	9.0				12.7	50																									1737.85	
15	"	5988	9.1				12.5	60																									1837.85	
16	"	6074	9.0				13.5	50	16	9																							2022.85	
17	"	6312	9.2				13.6	54	16	9																							—	
18	"	6387	9.2				14.8	64	15	8																							—	
19	"	6626	9.1				13.5	56																									2242.20	
20	"	6816	9.2					52																									2378.15	
21	"	7046	9.2				9.6	58	21	13	7/32																							2911.75	
22	"	7253	9.2				11.7	64	21	13	7/32																							2859.65	
23	"	7471	9.2					58																									3123.35	
24	"	7613	9.2					63	16	11	7/32																							3421.60	
25	"	7811	9.3					70	22	14	7/32																							3545.10	
26	"	7965	9.3					70	23	15																							3767.50	
27	"	8061	9.4				10.5	73	23	15	7/32																							4034.90	
28	"	8261	9.4				10.3	72	22	14	7/32																							4294.35	
29	"	8401	9.4				10.3	72	22	14	7/32																							4401.25	
30	"	8600	9.3				10.5	74	19	12	7/32																							4643.75	
31	"	8700	9.3				10.5	67	20	14	7/32																							5018.15	
Dec 31-Jan 1	"	8828	9.3				13.0	54	21	11	7/32																							5268.25	
	"	8956	9.3				13.8	60	23	12	7/32																							5522.15	
	"	9055	9.3				14.0	62	24	13	7/32																							5715.80	
2-Jan	"	9209	9.3				12.6	74	24	13	7/32																							5995.80	
"	"	9393	9.3					72	24	21	7/32																							6040.80	
3	"	9566	9.3					61	22	13	7/32																							6094.55	
"	"	9710	9.3				12.6	65	26	19	7/32																							6174.55	
"	"	9787	9.3				12.4	71	29	18	7/32																							6244.35	
5	"	9960	9.4					70	22	15	7/32																							6365.65	
"	"	10140	9.5					85																									6513.25	
																																6513.25	

Form No. 3206

DRILLING FLUID DATA SHEET — WEEKLY REPORT

WELL Pennzoil Fed Pipe Fee
Mile Canyon KO3

DATE	TIME	DEPTH	WEIGHT LBS. PER GAL.		VISCOSITY				SOLIDS %				RATE GAL/MIN	FILTRATE	ION ANAL.		SHALE ANAL.		PRODUCTS										REMARKS	DAILY COST	CUM. COST
			FLOWLINE	SUCTION	DISCHARGE DESANDER	UNDERFLOW DESANDER	DISCHARGE DESILTER	UNDERFLOW DESILTER	FUNNEL	PLASTIC	YIELD VALUE	GELS	BENT / FLOWLINE	DRILL / FLOWLINE	BENT / DISCH. DESANDER	DRILL / DISCH. DESANDER	BENT / DISCH. DESILTER	DRILL / DISCH. DESILTER	UNDERFLOW DESANDER	UNDERFLOW DESILTER	A.P.I.	HPHT	DYNAMIC	PH	TOTAL HARDNESS	CHLORIDE	SHALE DENSITIES	ME BLUE	GEL $/sack/LBS Barite 2.60	BARITES	Bentex - 25 Sx 3.50	Caustic 10# Bag 6.25	Dril-Tex 50# Bag 8.50	SODASH 100# Bag 3.45	CMC 50# Bag 31.00			6513.25
10-10-72	10:00 PM	9862	9.2						37																			—	—	—	—	—	—				
11	"	9960	9.2						38	11	27	12/28									16		11.0		450						3	9						
12	"	9995	9.3						39	12	30	17/33									20		10.5	8.5	350			10			5	16		8			102.25	6615.50
13	"	9995	9.3						42	13	33	17/35									22		10.5	8.5	350							1	1				417.25	7032.75
14	"	9995	9.2						111												23																16.75	7049.50
15	"	9995	—						—	—	—	—									—		—	—	—													7049.50
16	"	9995	9.3						37	—	—	—									—		—	—	—				—	—	—	—	—	—				7049.50
17	"	9995	—						—	—	—	—									45		—	—	—				—	—	—	—	—	—				7049.50
18	"	9995																			—		—	—	—				—	—	—	—	—	—				7049.50
19	"	9995																			—		—	—	—			4	—	—	—	—	—	—			10.10	7059.60
20	1	9995	—						—	—	—	—									—		—	—	—				—	—	—	—	—	—				7059.60
																					—		—	—	—				—	—	—	—	—	—				7059.60

FORM 5162

IBANEF OIL LTD.

DEVIATION SURVEY REPORT

WELL NAME: Aquit Mobil Am Hess Dodo Canyon K-03 LOCATION: Dodo Canyon K-03

DEPTH	DEVIATION	DEPTH	DEVIATION
100'	1/2°	7564'	1/4°
202'	3/4"	8069'	1/2°
288'	1/4°	8360'	1°
398'	1/2°	8860'	3/4°
514'	3/4°		
598'	3/4°		
680'	1°		
753'	1°		
847'	3/4°		
942'	7/8°		
1008'	3/4°		
1518'	7/8°		
2019'	1°		
2518'	1-1/2°		
2982'	2°		
3441'	1-1/2°		
3709'	1-1/4°		
4132'	1-1/2°		
4570'	1°		
5072'	1-1/4°		
5400'	1-1/2°		
5650'	1-7/8°		
6219'	2-1/8°		
6626'	2°		
7129'	1-1/2°		
7471'	1/2°		

FORM 5120-1

PLUG-BACK AND ABANDONMENT REPORT

AQUITAINE COMPANY OF CANADA LTD

Well Aquit Mobil Am Hess Dodo Canyon K-03 Location Dodo Canyon K-03

Hole Size	12-1/4"	8-3/4"		
Depth	1003'	9010'		

Casing in Hole	Size	Set at	Top of Cement
Surface Casing	9-5/8"	1009'	Surface
Production String			

K.B. Elev. 1014'

F.T.D. 9010'

Fluid in Hole Gel, Chem Dispersed

Plug Back String 4" drill pipe

Service Company Howco

Cons. Bd. Officer F. Blue

	Plug #1	Plug #2	Plug #3	Plug #4	Plug #5	Plug #6
Date	Jan. 18	Jan. 18	Jan. 18	Jan. 19	Jan. 19	
Interval — Top	8750'	7250'	5750'	2825'	950'	
Bottom	9010'	7650'	6350'	3050'	1060'	
Formation — Name						
Depth						
Calipered Hole Size (Average)	8-3/4"	8-3/4"	9-1/4"	11"	11"	
Type of Cement	Oilwell	Oilwell	Oilwell	Oilwell	Oilwell	
Number of Sacks	108	167	280	192	70	
Additives	2% Gel	2% Gel	2% Gel	2% $CaCl_2$	2% $CaCl_2$	
Bbls. of Water Ahead	5	5	5	5	5	
Displacement — Bbls. Water	2	3	6	4	7	
Bbls. Mud	83	67	49	23		
Slurry Weight	14.5	14.5	14.8	15.1	15.2	
Mixing Times — Start	10:50	1:10	10:55	10:50	8:10	
Finish	11:15	1:33	11:30	11:30	8:25	
Displacing Times — Start	11:16	1:35	11:32	11:32	8:26	
Finish	11:35 am	1:50	11:45 pm	11:45	8:30 pm	
Felt Plug Time	No Feel	9:45 pm	10:00 am	6:00 pm	8:45 am	
Felt Plug Depth		7130'	5360'	2741'	897'	

Surface Casing Cut 3 Ft. Below Grd. Surface Plugs 3 Sacks. Plate Welded Yes/No.

CASING SALVAGE: Shot off at No. of Jts. Recovered

Remarks: Weld on 2" pipe (4' high) with well sign.

Name of operator R. G. Robertson

SECTION IV

AQUITAINE COMPANY
OF CANADA LTD.

SECTION IV - Logs

DATE RUN	RUN NUMBER	INTERVAL	TYPE
January 15, 1972	1	8,983' - 1,008'	Borehole Compensated Sonic Log
January 15, 1972	1	8,977' - 1,008'	Dual Induction - Laterolog
January 15, 1972	1	8,978' - 5,700'	Sidewall Neutron Porosity Log
January 16, 1972	1	8,979' - 2,500'	Formation Density Log
January 16, 1972	1	8,979' - 1,010'	Continuous Dipmeter

SECTION A NOTICES

AQUITAINE COMPANY
OF CANADA LTD.

SECTION V - Analysis

Water sample from interval 7,320' - 7,600' was analysed; see "Water Analysis" attached.

SECTION VI - Completion Summary

Not Applicable

SUBMITTED BY AQUITAINE COMPANY OF CANADA LTD.

DATE: June 15, 1972 BY: W. M. Boyack

CORE LABORATORIES – CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

Company Aquitaine Company of Canada Ltd. Page 1 of 4

Well Aquit Mobil AmHess Dodo Canyon K-03 File 921-276

Field Dodo Canyon, N.W.T. Analyst DS

Location 65 02' 33.36 N.L.
126 46' 13.96 W.L. Elevation: K.B. ____ Grd. 995'

Formation Bear Rock Depth 7320' - 7600'

Sampled from DST #1 (Top of Tool) by Lynes United Services

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

Date sampled Jan. 17/72 Date received Jan. 22/72 Date analysed Jan. 24/72

Container pressure ____ Mud ____ Water cushion ____

Recovery or flowrate: 1620' Liquid.

Analysis

Benzene	<0.1 ppm

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

Company Aquitaine Company of Canada Ltd.

Well Aquit Mobil AmHess Dodo Canyon K-03 K.B. _____ Grd. 995'

Location 65 02' 33.36 N.L. 126 46' 13.96 W.L. Field Dodo Canyon Province N.W.T.

Formation Bear Rock Interval 7320' - 7600'

Sampled from DST #1 (Top of Tool) by Lynes United Services

Date sampled Jan. 17/72 Date analysed Jan. 27/72 Analyst LK

Recovery 1620' Liquid.

_____ Mud type _____ Water cushion _____

Resistivity 0.26 Ohm-meters @ 68 °F

Specific gravity 1.0215 @ 60°F

pH 6.7 H_2S Absent

Refractive Index 1.3377 @ 70°F

Total Solids:

Calculated 27,678 mg/liter

By evaporation @ 110°C – mg/liter

By evaporation @ 180°C – mg/liter

At ignition – mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
9145	851	164	Trace	Abs.	–	–	12270	342	4906	Nil	Nil

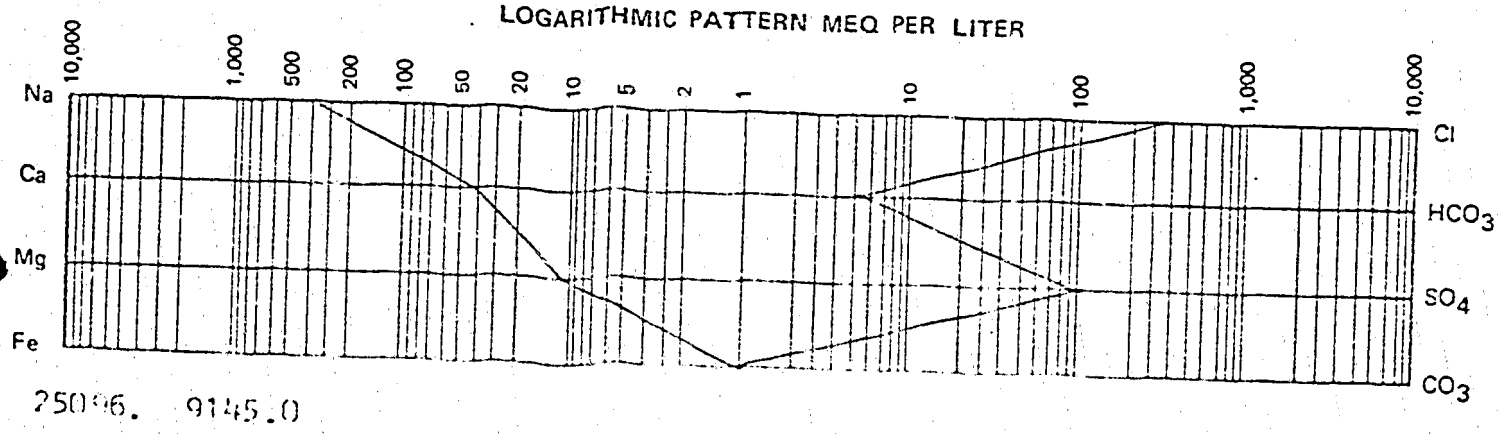
PER CENT CALCULATED SOLIDS

33.0	3.1	.6	Trace	Abs.	–	–	44.3	1.2	17.7	.0	.0

MEQ PER LITER

397.6	42.5	13.5	Trace	Abs.	–	–	346.0	5.6	102.0	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



25096. 9145.0

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Apache Middle Antelope	403		JAN 20/72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Apache Corp.		Petrolia Oilwell Drlg.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
M. Mattson		D. Barker	

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

LOCATION

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 JAN 20/72

WELL NAME & NO. APACHE K03

COMPANY PETROLIA

TOOL PUSHER D. Barker RIG NO. 7

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 - I.W.A.	
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

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART.-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
1200	2000	8		W.O.C. & Clean Mud Tanks

DRILLER

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 SGL.-S PART.-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
800	815	3/4		Run in Jay Plug #5 @ 897' 15 B.
845	1000	1 1/4		Lay Rope
1000	400	6		Tear Out + Lay Rope
				Tear Out Shop De-ice Matting

DRILLER L. Ryks

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 PART.-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
400	1200	8		Tear Out Rig. Clean Out Cellar Cut off Csg. Weld on Plate + Weld on Sign at Location Name + Number.
				Rig Released @ 1159 Jan 20-72

M. Mattson

DRILLER L. Mattson

MORNING TOUR ____ P.M. 6 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Sharp	8
DRKMAN		K. Johnson	8
MTRMAN		H. Sharp	8
FIREMAN			
FLRMAN		F. Arndt	8
FLRMAN		K. Gibbson	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 6 A.M. 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	9
DRKMAN		D. Kelliher	9
MTRMAN		O. Arsenault	9
FIREMAN			
FLRMAN		R. Hofer	9
FLRMAN		D. Fox	9
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. Mattson	16
DRKMAN		E. Harstad	16
MTRMAN		F. Tomczak	16
FIREMAN			
FLRMAN		B. Dirk	16
FLRMAN		M. Tillman	16
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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AUL HUSSAR	K03	TO DO CANYON	JAN 19/72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
M McMorran		D Barker	

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

LOCATION

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 JAN 19/72
WELL NAME & NO. AQUIT K03
COMPANY PETROLIA
TOOL PUSHER D Barker RIG NO. 7

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.
HR. STANDBY
TOTAL DAY WORK
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JETS 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's 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.

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 SGL.--S PARE--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
1900	115	14		FILL UP 12 STDS & CIRC
115	415	3		LAY DOWN 4# SINGLES & RUN IN 15 STDS
415	800	3 3/4		CIRC & W.O.C.

Tested in hole + drop'd 2 Totco's / plug #4 @ 41 stds
LAYED DOWN 46 SINGLES

DRILLER

MORNING TOUR — P.M. 12 — P.M. 6 — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		D. SHARP	12
FIREMAN			
FLRMAN		E. HENDT	12
FLRMAN		K. GUSTAVSON	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JET 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	
	SINGLES DP	FT.	GPM/ PD--PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
	WT. OF STRING	LBS.		

MUD RECORD Plug #4

TIME	7825'- 3050'- 225
WEIGHT	Brine to 9.4 / 9.2 wt. up
PRESSURE GRADIENT	Bluewell cement
VISC.--SEC.	Plus 2 % bio-Sig in 100 cc. up
PV/YP	Pure Bore 3 1/2 % GRS
GELS.	water phase 93 bbls
WL--CC'S.	Mud Mixing mud
pH	Plug complete
SOLIDS %	11 1/2 AM.

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 (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON 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 PARE--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
8.00	10.00	2		CIRC & W.O.C
10.00	10.30	1/2		RUN IN & FEEL PLUG 3# @ 5360
10.30	11.15	3/4		PULL UP & RIG TO RUN PLUG 4#
11.15	11.45	1/2		RUN PLUG NO 4#
11.45				D.D.C. LAY drill pipe 93 JTS.
	4.00	4 1/4		RUN 25 STDS IN HOLE (5 STDS IN DERRICK)

DRILLER L. Ryks

DAY TOUR — P.M. 4 — A.M. 4

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	12
DRKMAN		D. KELLNER	12
MTRMAN		O. ARSENAULT	12
FIREMAN			
FLRMAN		P. HEFER	12
FLRMAN		D. FOX	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JETS 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	
	SINGLES DP	FT.	GPM/ PD--PSI	
	KELLY DOWN	FT.		
	TOTAL	FT.		
	WT. OF STRING	LBS.		

MUD RECORD Plug #5

TIME	9.50' to 7060' - 110'
WEIGHT	Brine to 9.4 / 9.2 wt. up
PRESSURE GRADIENT	Bluewell cement plug
VISC.--SEC.	2 % Calo-Supplement
PV/YP	wt 7 Lbs to Barite
GELS.	Plug in place @
WL--CC'S.	9.35 PM
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 (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON 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 PARE--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
4.00	6.00	2		CIRC & W.O.C.
6.00	6.30	1/2		RUN IN & FEEL PLUG #4 @ 2741
6.30	7.00	1/2		LAY PIPE - 57 JTS. (11 STDS IN HOLE)
8.00	8.30	1/2		Mix + displace Plug #5
9.35	12.00	3 1/4		W.O.C

DRILLER

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FEB 2 - 1972 — GEOLOGICAL BRANCH — CONSERVATION DIVISION — DEPARTMENT OF MINES AND PETROLEUM RESOURCES — N.W.T. YUKON

FORM 3T5 — APPROVED — APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL HUSKY ESS.	K-3	70 DE CANYON	JAN 18/72

OPERATOR: AQUITAINE
SIGNATURE OF OPERATOR'S REPRESENTATIVE: R.E. Robertson
CONTRACTOR: PETROLIA OILWELL DRLG. — RIG NO. 7
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D. Barker

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

LOCATION

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 JAN 18/72
WELL NAME & NO. AQUIT K-3
COMPANY PETROLIA
TOOL PUSHER D. Barker — RIG NO. 7

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'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)

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 RL-P COMB 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
1200	1245	3/4		RUN IN DRLG COLLARS
1945	445	4		LAY DRLG COLLARS
445	500	1/4		RIG SERVICE
500	715	2 1/4		STRAPPING W/ DRLG PIPE
715	800	3/4		MEASURE 22 STANDS + RUN IN

DRILLER: L. Ruks

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 7:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RUKS	12
DRKMAN		D. KELLIHER	12
MTRMAN		O. ARSENAULT	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		D. FOX	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

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 — Plug #1

BIT NO.	9070' to 8750'
SIZE	9 6/8" Cemented w/
MFG.	108 sacks Oilwell
TYPE	cement plus 2% to 3%
JET 1/32"	Hydrated w/ 2%
SER. NO.	of water plus 83 lbs
DEPTH OUT	Gabrilling mud
DEPTH IN	Plug in place @
TOTAL FTG.	1132 A.M.
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD — Plug #2

TIME	7650' to 7250' + 400'
WEIGHT	Cemented w/ N-Seal
PRESSURE GRADIENT	Oilwell cement
VISC.-SEC.	plus 2% HR4
PV/YP	Displaced w/ 172 bbls
GELS.	water plus 67 lbs
WL -CC'S.	of drilling mud.
pH	Plug in place @
SOLIDS %	1102 P.M.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	400#		

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 PAR RL-P COMB 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
700	900	1		RUN IN TO BTM. + CIRC TO RUN PLUGS
900	1100	2		RIG HALLIBURTON TO CEMENT
1100	1145	3/4		RUN PLUG #1
1145	100	1 1/4		PULL UP TO RUN PLUG #2 & BREAK CIRC.
100	145	3/4		RUN PLUG #2
145	400	2 1/4		PULL OUT OF PLUG #2 & CIRC.

DRILLER: L. Ruks

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 — Plug #3

BIT NO.	57 7c to 6350'
SIZE	6.00 cemented
MFG.	w/ #30 gel &
TYPE	Oilwell cement
JETS 1/32"	plus 2% Set
SER. NO.	Displaced w/
DEPTH OUT	6 Gallons water
DEPTH IN	plug in place
TOTAL FTG.	Drilling mud
TOTAL HRS. RUN	Plug in place
COND. 1/8's T/B/ GAGE	1145 A.M.
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 SCL-S PAR RL-P COMB 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
400	700	3		LAY 54 JTS. PIPE + RUN IN 195 STDS
700	945	2 3/4		CIRC & W.O.C.
945				RUN IN & FEEL PLUG #2 @ 7130 & PULL UP
	1045	1		TO RUN PLUG #3
1045	1145	1		RUN PLUG NO 3
1145	1200	1/4		W.O.C. PULL OUT OF PLUG

DRILLER

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

LEB 5-837

FORM 3T5 — APPROVED — APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquit Mobil Pathfinder	503	70 16 Canyon	Jan 17 72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.E. Robertson		D Barker	

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

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

LOCATION

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

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
22	D.C. ID OD	641.00 FT.	SER. NO.	GELS.
	STB RMR OD	FT.	DEPTH CUT	WL -CC'S.
1	Bit 5 1/8	2.50	DEPTH IN	pH
2	DC 5 1/8	4.70	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 (At end of tour)		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO. Recovered.	TIME
			SIZE 400' of pack off	WEIGHT Drilling mud.
	STB RMR OD	FT.	MFG. 490' of muddy	PRESSURE GRADIENT Water 73200 PPM
	D.C. ID OD	FT.	TYPE 730' of Cloudy	VISC.-SEC. Salt water.
	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.		

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'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 FROM 9010 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 SCI.-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
1 AM	3 30	3 1/2		Hoist To Test.
3 30	3 45	1/4		Rig Service — Blind Rams Okay
3 45	8 00	4 1/4		Pick Up & Make Up Lynes Tools.
DST #1. Interval 7320' To 7400'				
Preflow	5 mins	101 PSIG		IFP 3711 PSIG
ISI	60 mins	3176 PSIG		FFP 3696 PSIG
Flow	92 mins	232 PSIG initial 843 PSIG Final.		
FSI	60 mins	2654 PSIG		

DRILLER J Barker

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 SCI.-S PART.-P COM.-C
		Weak initial air puff on preflow, weak air blow on final flow with no increase after 55 mins, and shut in prior to complete buildup.								

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
8 00	8 20	1/2		Make up Tools + Pick up Jars
8 20	10 45	2 1/4		Run in w/DST #1
10 45	11 30	3/4		Head up Test
11 30	3 00	3 1/2		Test
3 00	4 00	1		Pull Packers Loose

DRILLER L. Ryks

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 SCI.-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
4 00	8 00	4		Hoist DST.
8 00	11 15	3 1/4		Break Down Test Tools & Load Out
11 15	12 00	3/4		Pull Tail Pipe

DRILLER

DRILLING CREW PAYROLL DATA

DATE Jan 17 72

WELL NAME & NO. Aquit 503

COMPANY Petrolia

TOOL PUSHER D Barker RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Sharf	12
DRKMAN		K. Johnson	12
MTRMAN		A. Sharf	12
FIREMAN			
FLRMAN		E. Arndt	12
FLRMAN		K. Gustavsen	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 4 00 A.M. 4 00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	12
DRKMAN		D. Kellner	12
MTRMAN		O. Hrsenault	12
FIREMAN			
FLRMAN		P. Hofer	12
FLRMAN		D Fox =	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT REPORT NO.

LEASE: Aquia Mobil Anthes WELL NO.: 503 API WELL NUMBER DATE: JAN 14/72
OPERATOR: Fontaine CONTRACTOR: Pe Pe Canyon RIG NO.: 7
SIGNATURE OF OPERATOR'S REPRESENTATIVE: R.E. Fontaine
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: E. Barker

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

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

LOCATION

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

WIRE LINE RECORD REEL NO.
SIZE 1/4 NO. LINES 4 FT. SLIPPED 52
FT. CUT OFF PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA
DATE JAN 16 72
WELL NAME & NO. AQUIA 503
COMPANY PETROLIA
TOOL PUSHER E. Barker RIG NO. 7

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	LR. 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

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	FT.	BIT NO.	
	STB RMR OD	FT.	SIZE	
	D.C. ID OD	FT.	MFG.	
	STB RMR OD	FT.	TYPE	
22	D.C. ID OD 641.08	FT.	JETS 1/32"	
	STB RMR OD	FT.	SER. NO.	
1	BIT SUB 2.50		DEPTH OUT	
21	DC SUBS 638.58		DEPTH IN	
	STANDS DP	FT.	TOTAL FTG.	
1	SINGLES DP 31.15	FT.	TOTAL HRS. RUN	
	KELLY DOWN	FT.	COND. 1/8" T/B/ GAGE	
	TOTAL 904.70	FT.	GPM/ PD–PSI	
	WT. OF STRING KOM.	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 / 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 SGL–S PART'L–P COMPL'E
9010												

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
1900	800	8		LOGGING Rum. Formation Density Compensated from 8983' To 1008 on 2"=5" scale for Sidewall Core program

DRILLER L. Rykes

MORNING TOUR CREW

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour) / BIT RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	FT.	BIT NO.	
	STB RMR OD	FT.	SIZE	
	D.C. ID OD	FT.	MFG.	
	STB RMR OD	FT.	TYPE	
	D.C. ID OD	FT.	JET 1/32"	
	STB RMR OD	FT.	SER. NO.	
	D.C. ID OD	FT.	DEPTH OUT	
	STB RMR OD	FT.	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.

EVENING TOUR

FOOTAGE / 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 SGL–S PART'L–P COMPL'E
9010												

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
800	~~[illegible]~~ 730	~~[illegible]~~ 6½		LOGGING
2³⁰	3¹⁵	¾		TEAR OUT LOGGERS
3¹⁵	4⁰⁰	¾		RUN IN W/BIT

DRILLER

DAY TOUR CREW

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour) / BIT RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	
	BIT	FT.	BIT NO.	
	STB RMR OD	FT.	SIZE	
	D.C. ID OD	FT.	MFG.	
	STB RMR OD	FT.	TYPE	
22	D.C. ID OD 641.32	FT.	JETS 1/32"	
	STB RMR OD	FT.	SER. NO.	
1	BIT SUB 2.50		DEPTH OUT	
21	DC SUBS 470		DEPTH IN	
	STANDS DP	FT.	TOTAL FTG.	
1	SINGLES DP 345.30	FT.	TOTAL HRS. RUN	
	KELLY DOWN 16.18	FT.	COND. 1/8" T/B/ GAGE	
	TOTAL 903522	FT.	GPM/ PD–PSI	
	WT. OF STRING 154M.	LBS.		

MUD RECORD

TIME	9:00	10:00	11:00
WEIGHT	9.4	9.5	9.5
PRESSURE GRADIENT			
VISC.–SEC.	88	96	78
PV/YP	/	/	/
GELS.	~~[illegible]~~ 15	/	/
WL –CC'S.	78	11.45	9.8
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / 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 SGL–S PART'L–P COMPL'E
9010												

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
4⁰⁰	6¹⁵	2¼		RUN IN
6¹⁵	7⁴⁵	1½		BREAK CIRC + CLEAN 25' TO BTM
7⁴⁵	11⁴⁵	4		CIRC. TO TEST
11⁴⁵	12⁰⁰	¼		KELLY KELLY TO HOIST

DRILLER L. Rykes

EVENING TOUR CREW

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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Davit Mobil Ft Hess	K03	Pa Pa Canyon	Jan 15/72
OPERATOR		**CONTRACTOR**	RIG NO.
Davitaine		Petrolia Oilwell Drlg.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
M. McGuffin		D Barker.	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	DA500	16
2	"	"	11

LOCATION

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 Jan 15/72

WELL NAME & NO. Davit Mobil K03

COMPANY Petrolia

TOOL PUSHER D A Barker RIG NO. 7

MORNING TOUR

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		A. SHARP	12
FIREMAN			
FLRMAN		F. HENDT	12
FLRMAN		K. GUSTAFSON	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L Ryks	12
DRKMAN		D KELLNER	12
MTRMAN		D. ASSENAULT	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		D FOX	12
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			
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.
22	D.C. ID	OD 6 1/4	641.02 FT.
	STB RMR	OD	FT.
1	Bit Sub	4.50	
5	7/0 S.B.	4.70	
28	STANDS DP		FT.
1	SINGLES DP	8314.10	FT.
	KELLY DOWN		FT.
	TOTAL	9014.70	FT.
WT. OF STRING		150M	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 SGL–S PAR'L–P COMP'D–C
9010												

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
6:00	8:00	2		Logging Ran Borehole compensated Sonic Gamma Ray Caliper with 2"+5" scale from 8983 to 1008'

DRILLER L Ryks

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 SGL–S PAR'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
8:00	4:00	8		Logging Ran Dual Induction Laterlog with 2"+5" scale from 8983 to 1008' Ran Formation Density but not compensated from 8983 to 1008' on 2"+5" scale.

DRILLER

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 SGL–S PAR'L–P COMP'D–C
9010												

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
4:00	12:00	8		LOG Ran Sidewall Neutron Porosity from 8983 to 1008' on 2"+5" Scale. Ran a 40 shot Velocity survey with Century Surveys

DRILLER L Ryks

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 6 1/4	641.32 FT.
	STB RMR	OD	FT.
1	Bit Sub	2.50	
5	7/0 S.Bs	4.70	
28	STANDS DP		FT.
1	SINGLES DP	8314.10	FT.
	KELLY DOWN		FT.
	TOTAL	9014.70	FT.
WT. OF STRING		150M	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.

FEB 3 – 1972 ALBERTA OIL AND GAS CONSERVATION BOARD EDMONTON ALBERTA

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Davit Mobil Ant Hills #03			JAN 14/72
OPERATOR		CONTRACTOR	RIG NO.
Davit Pine		Petrolia Oilwell Drlg	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
J.R. Robertson		D Baker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1			
2			

LOCATION

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 JAN 14/72

WELL NAME & NO. Davit Mobil #03

COMPANY Petrolia

TOOL PUSHER D Baker RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J Sharp	12
DRKMAN		K Johnson	12
MTRMAN		H Shard	12.
FIREMAN			
FLRMAN		F Arndt	12
FLRMAN		K Christenson	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			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L Ryks	12.
DRKMAN		B Kellihez	12.
MTRMAN		B. Arsenault	12.
FIREMAN			
FLRMAN		P Hall	12.
FLRMAN		D. Fry	12
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			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS		8	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.				
22.				
23.				
COMPLETION	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			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 641.08	FT.
	STB RMR	OD	FT.
1	SUB	2.50	
2	SUB	4.10	
60	STANDS DP		FT.
1	SINGLES DP	33/4.10	FT.
	KELLY DOWN		FT.
	TOTAL	9014.70	FT.
WT. OF STRING		150M.	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	1200	120	
WEIGHT	9.6	G.L.	
PRESSURE GRADIENT			
VISC.-SEC.	121	111	
PV/YP	/	/	
GELS.	/	/	
WL -CC'S.	8.2		
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 SGL.-S PARL.-P COMP.-C
9010												

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	130	1 1/2		CIRC TO LOG
130	430	3		HOIST TO LOG
430	600	1 1/2		RIG TO LOG & LOGGING

Hole Good on Trip Out To Log.

DRILLER L Ryks

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 641.08	FT.
	STB RMR	OD	FT.
1	SUB	2.50	
2	SUB	4.10	
60	STANDS DP		FT.
1	SINGLES DP	33/4.10	FT.
	KELLY DOWN		FT.
	TOTAL	9014.70	FT.
WT. OF STRING		150M.	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 RUN SGL.-S PARL.-P COMP.-C
9010												

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
800	400	8		LOGGING

DRILLER

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 SGL.-S PARL.-P COMP.-C
9010												

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
400	1200	8		LOGGING

BHCSGRC 8985 – 1008
SNP 8979 – 5700
DIL 8981 – 1008

DRILLER L Ryks

APPROVED APPROVED

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DO DO CANYON K-03	1-13-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE COMPANY of CANADA LTD.		PETROLIA OILWELL DRILLING.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
		D Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	D500	16

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8			27			1008

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 1-13-72

WELL NAME & NO. DO DO CANYON K03

COMPANY PETROLIA DRILLING.

TOOL PUSHER D Barker — RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL. ACTUAL	3		
3.	REAMING			1½
4.	CORING			
5.	CONDITION MUD & CIRCULATE	3¼	2¼	2½
6.	TRIPS	1¾	3½	2½
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	¼		
11.	WIRE LINE LOGS		2¼	1½
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	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.
22	D.C. ID	OD 6	41.32 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
2	X O SUB		4.70
1	SH. SUB		10.68
88	STANDS DP		FT.
1	SINGLES	DP	8314.10 FT.
	KELLY DOWN		37.40 FT.
	TOTAL		9010.70 FT.
WT. OF STRING			150 M. LBS.

BIT RECORD

BIT NO.	20
SIZE	8 3/4
MFG.	SMITH
TYPE	5JS
JETS 1/32"	14 14 15
SER. NO.	FH029
DEPTH OUT	9010
DEPTH IN	8877
TOTAL FTG.	138
TOTAL HRS. RUN	32
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/ /

MUD RECORD

TIME	1300	400	700
WEIGHT	9.5	9.5	9.5
PRESSURE GRADIENT			
VISC.-SEC.	148	160	192
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	7.6	6.8	7.2
pH	10.0	10	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
FELTEX	50 #		
CAUSTIC	50 #		

MORNING TOUR

FOOTAGE / 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
8895	9010	15			40	40	1650	5½	56			

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	300	3		DRILL.
300	430	1½		CIRC BTM HOLE SAMPLE.
430	615	1¾		DUMMY TRIP 30 STDS.
615	800	1¾		CIRC TO LOG.

DRILLER L. Mattison

MORNING TOUR CREW

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTISON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMEZAK	8
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		M. TULMAN	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 64	1.08 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
2	X O SUB		4.70
1	SH. SUB		10.68
88	STANDS DP		FT.
1	SINGLES	DP	8314.10 FT.
	KELLY ~~DOWN~~ UP		4 FT.
	TOTAL		9014.70 FT.
WT. OF STRING			150M LBS.

BIT RECORD

BIT NO.	20
SIZE	8 3/4
MFG.	SMITH
TYPE	5JS
JET 1/32"	14 14 15
SER. NO.	FH029
DEPTH OUT	9010
DEPTH IN	8877
TOTAL FTG.	138
TOTAL HRS. RUN	32
COND. 1/8's T/B/ GAGE	2 4 1
GPM/ PD--PSI	/ /

MUD RECORD

TIME	800	1000	
WEIGHT	9.4	9.5	
PRESSURE GRADIENT			
VISC.-SEC.	105	142	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / 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 SGL.-S PARL.-P COM.-C
9010												

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
800	1015	2¼		CIRC TO LOG
1015	145	3½		STRAP OUT TO LOG
145	400	2¼		RIG TO LOG & LOGGING

STRAP TALLY 9016.10
PIPE 9014.70
DIFF 1.40
X/O CUP MADE

DRILLER L. Ryks

DAY TOUR CREW

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		D. SHARP	8
FIREMAN			
FLRMAN		E. BRANDT	8
FLRMAN		K. GUSTAFSON	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 64	1.32 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
2	X O SUBS		4.70
88	STANDS DP		FT.
1	SINGLES	DP	8314.10 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 / 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 SGL.-S PARL.-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
400	520	1½		LOG. BRIDGED OFF @ 6680'
520	720	2		RUN IN W/ BIT TO 6670
720	900	1½		CLEAN OUT BRIDGE
900	930	½		FINISH RUN IN
930	1200	2½		CIRC. TO LOG

DRILLER L. Ryks

EVENING TOUR CREW

EVENING TOUR 400 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		R. KELLIHER	8
MTRMAN		O. HERSHAULT	8
FIREMAN			
FLRMAN		P. HOPPE	8
FLRMAN		D. FOX	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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DO DO CANYON K03	1-12-78

OPERATOR	CONTRACTOR	RIG NO.
AQUITAINE COMPANY of CANADA.	PETROLIA OILWELL DRILLING.	7

SIGNATURE OF OPERATOR'S REPRESENTATIVE: M. McLaughlin

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	D500	16

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB- TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8			27			1008

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 1-12-78

WELL NAME & NO. DO DO CANYON K03.

COMPANY PETROLIA DRILLING

TOOL PUSHER _____ RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7 3/4	7 1/2	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	1/4	1/2	
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		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.
			FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 641.32	FT.
	STB RMR	OD	FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
1	SH. SUB	10.68	
87	STANDS DP		FT.
2	SINGLES DP	825.36	FT.
	KELLY DOWN	27	FT.
	TOTAL	8937	FT.
WT. OF STRING		150M	LBS.

BIT RECORD

BIT NO.	20
SIZE	8 3/4
MFG.	SMITH
TYPE	STS
JETS 1/32"	14 14 15
SER. NO.	FH029
DEPTH OUT	
DEPTH IN	8872
TOTAL FTG.	65
TOTAL HRS. RUN	13 1/2
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	12:00	4:00	6:30
WEIGHT		9.4	9.4
PRESSURE GRADIENT			
VISC.-SEC.	92	76	59
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.	9.2	
pH	10	10	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3800		
CMC	150		
PETEX	300		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-D PAR'L.-D COM'D.-C
8900	8937	37			40	38	1650	5 1/2	55			

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
12:00	3:45	3 3/4		DRILL.
3:45	4:00	1/4		RIG SERVICE
4:00	8:00	4		DRILL.

DRILLER G. Matteon

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
			FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 641.08	FT.
	STB RMR	OD	FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
1	SH. SUB	10.68	
88	STANDS DP	8262.40	FT.
	SINGLES DP		FT.
	KELLY DOWN	13'	FT.
	TOTAL	8983.05	FT.
WT. OF STRING		150M	LBS.

BIT RECORD

BIT NO.	20
SIZE	8 3/4
MFG.	SMITH
TYPE	STS
JET 1/32"	14 14 15
SER. NO.	FH029
DEPTH OUT	
DEPTH IN	8872
TOTAL FTG.	98
TOTAL HRS. RUN	21
COND. 1/8's T/B/ GAGE	DRLG
GPM/ PD-PSI	/ /

MUD RECORD

TIME	8:00	10:00	12:00
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT			
VISC.-SEC.	59	59	54
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	7.6		7.8
pH	8.0		8.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2100#		
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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-D PAR'L.-D COM'D.-C
8937	8970	33			40	38	1650	5 1/2	58			

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
8:00	11:00	3		DRLG.
11:00	11:30	1/2		RIG SERVICE & - BOPS
11:30	4:00	4 1/2		DRLG.

DRILLER K. Gustafson

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
			FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD 641.32	FT.
	STB RMR	OD	FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
1	SH. SUB	10.68	
84	STANDS DP		FT.
1	SINGLES DP	814.10	FT.
	KELLY DOWN	21.70	FT.
	TOTAL	9014.70	FT.
WT. OF STRING		150 M	LBS.

BIT RECORD

BIT NO.	20
SIZE	8 3/4
MFG.	SMITH
TYPE	STS
JETS 1/32"	14 14 15
SER. NO.	FH029
DEPTH OUT	
DEPTH IN	8872
TOTAL FTG.	123
TOTAL HRS. RUN	29
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	4:00	7:00	10:00
WEIGHT	9.5	9.5	9.5
PRESSURE GRADIENT			
VISC.-SEC.	93	150	80
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.4	8.8	8.0
pH	8.0	9.0	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	200		
PETTEX	300		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-D PAR'L.-D COM'D.-C
8970	8995	25			40	35/40	1650	5 1/2	56			

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
4:00	12:00	8		DRLG

DRILLER K. Ryks

MORNING TOUR

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMEZAK	8
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		M. TULKMAN	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		E. ARNDT	8
FLRMAN		K. GUSTAFSON	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLNER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		D. [illegible]	8
FLRMAN			

JAN 30 1978 GOVERNMENT OF THE NORTHWEST TERRITORIES DEPARTMENT OF ENERGY, MINES & RESOURCES YELLOWKNIFE, N.W.T.

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS.	KO3.	DO DO CANYON KO3.	1-12-72
OPERATOR	**CONTRACTOR**		**RIG NO.**
AQUITAINE COMPANY of CANADA LTD	PETROLIA OILWELL DRILLING.		7
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
M.E. McPherson	D Baker.		

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

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

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8			27			1008

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 1-11-1972

WELL NAME & NO. DO DO CANYON KO3.

COMPANY PETROLIA DRILLING.

TOOL PUSHER D Baker. RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			5¾
3. REAMING		12	2¼
4. CORING	2¼		
5. CONDITION MUD & CIRCULATE	1¼		
6. TRIPS	2¾		
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. SERVICE CORE #6	3/4		
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	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT CoreBit		FT.
1	JARS	63.46	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
22	D.C. ID OD	689.68	FT.
	STB RMR OD		FT.
1	BIT SUB	2.50	FT.
2	XO SUB.	4.70	FT.
1	XO SUB.	1.22	FT.
86	STANDS DP		FT.
1	SINGLES DP	8075.56	FT.
	KELLY DOWN	35.45	FT.
	TOTAL	8872.52	FT.
WT. OF STRING		150 M.	LBS.

BIT RECORD

BIT NO.	6C
SIZE	6 7/16
MFG.	SMIT
TYPE	◇
JETS 1/32"	
SER. NO.	011-4
DEPTH OUT	
DEPTH IN	8862
TOTAL FTG.	10
TOTAL HRS. RUN	
COND. 1/8" T/B/ GAGE	PROVED.
GPM/ PD--PSI	/

MUD RECORD

TIME			6 30
WEIGHT			9.2
PRESSURE GRADIENT			
VISC.--SEC.			106
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.			9.2
pH			10.0
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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL--S PAR'EL--P COM--C
8862	8872	10			76	10/12	1175	5½	43			

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
17.00	1.45	1¾		PICK UP CORE BBL & SERVICE.
1.45	3.30	1¾		RUN IN W/CORE BBL
3.30	4.00	½		BREAK CIRC 20 STDS. OFF BTM.
4.00	4.30	½		FINISH IN
4.30	5.15	¾		CIRC OFF BTM. TO CORE.
5.15	7.30	2¼		CUT CORE #6
7.30	8.00	½		BLOW KELLY & HOIST

DRILLER L. Mattson

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E HARSTAD	8
MTRMAN		F. TOMEZAK	8
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		M. TILMAN	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
22	D.C. ID OD	641.08	FT.
	STB RMR OD		FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
1	SH SUB	10.68	
87	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	27'	FT.
	TOTAL	8869.27	FT.
WT. OF STRING		152 M.	LBS.

BIT RECORD

BIT NO.	20
SIZE	8¾
MFG.	SMITH
TYPE	5JS
JETS 1/32"	
SER. NO.	FH029
DEPTH OUT	
DEPTH IN	8872
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.

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 PAR'EL--P COM--C
8862												

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
8.00	11.00	3		HOIST CORE #6
11.00	11.30	½		RECOVER CORE #6 — 10'
11.30	12.30	1		SERVICE RIG & LAY DOWN SAME.
12.30	12.45	¼		RIG SERVICE & BLIND RAMS OKAY
12.45	3.00	2¼		PICK UP STAB & RUN IN
3.00	3.30	½		BREAK CIRC 40 STDS OFF BTM.
3.30	4.00	½		FINISH IN HOLE.

DRILLER L. Quist

DAY TOUR — A.M. 4 — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SWARD	8
DRKMAN		K. ELLINGTON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		E. BANDI	8
FLRMAN		K. CULBERTSON	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
22	D.C. ID OD	641.32	FT.
	STB RMR OD		FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
1	SH SUB	10.68	
87	STANDS DP		FT.
1	SINGLES DP	8220.47	FT.
	KELLY DOWN	20.57	FT.
	TOTAL	8920.83	FT.
WT. OF STRING		150 M.	LBS.

BIT RECORD

BIT NO.	20
SIZE	8¾
MFG.	SMITH
TYPE	5JS
JETS 1/32"	14 14 15
SER. NO.	FH029
DEPTH OUT	
DEPTH IN	8872
TOTAL FTG.	28
TOTAL HRS. RUN	5¾
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	4 30	6 30	11:00
WEIGHT	9.2	9.2	9.4+
PRESSURE GRADIENT			
VISC.--SEC.	80	87	93
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	400#		
CAUSTIC	150#		
DELTA	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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL--S PAR'EL--P COM--C
8872	8900	28			40	3 8	1650	5½	55			

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
4.00	6.15	2¼		REAM RAT HOLE F/8862-8872'
6.15	12.00	5¾		DRLG.

DRILLER L. Ryks

EVENING TOUR — A.M. 4.00 — P.M. 12.00 — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		D. FOX	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
ARVIT MOBILE AM HESS	K03	DO DO CANYON K03	1-10-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE COMPANY of CANADA LTD		PETROLIA OILWELL DRILLING	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.B. Robertson		D Barker	

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

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

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8			27			1008

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	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT Close Bit		FT.
1	J&RS	63.46	
	STB RMR OD		FT.
	D.C ID OD		FT.
	STB RMR OD		FT.
22	D.C ID OD	641.08	FT.
	STB RMR OD		FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
1	XO SUB	1.22	
85	STANDS DP		FT.
2	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	1.00
WEIGHT	9.3
PRESSURE GRADIENT	
VISC.–SEC.	85
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 SGL.–S PAR'L.–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
12.00	2.50			CIRC & WAIT ON BAILS
2.00	6.30			Hoist Core Barrel
6.30	7.00			Service Core BRL + std In derrick
7.00	8.00			Welding On Blocks

DRILLER L. Mattson

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C ID OD		FT.
	STB RMR OD		FT.
22	D.C ID OD	641.08	FT.
	STB RMR OD		FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
87	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL	8889.21	FT.
WT. OF STRING		150M.	LBS.

BIT RECORD

BIT NO.	19
SIZE	8 3/4
MFG.	SMITH
TYPE	575
JET 1/32"	14/15/15
SER. NO.	F2079
DEPTH OUT	
DEPTH IN	8860
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	DRLG
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 (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 COMP.–C
8860												

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
8.00	9.15	1/4		WELDING ON BLOCKS
9.15	10.00	3/4		CUT OFF DRLG LINE
10.00	11.00			RUN DRLG COLLARS
11.00	11.30	1/2		WORK ON HYDRO-MATIC
11.30	1.30	2		RUN IN BRIDGE AT 7411'
1.30	2.00	1/2		CLEAN OUT BRIDGE
2.00	3.00	1		RUN IN HOLE
3.00	4.00	1		BREAK CIRC & WORK TO BTM.

DRILLER L. Barker

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C ID OD		FT.
	STB RMR OD		FT.
22	D.C ID OD	641.08	FT.
	STB RMR OD		FT.
1	BIT SUB	2.50	
2	XO SUB	4.70	
87	STANDS DP	8199.53	FT.
	SINGLES DP		FT.
	KELLY DOWN	2490	FT.
	TOTAL	8878.53	FT.
WT. OF STRING		150M.	LBS.

BIT RECORD

BIT NO.	19
SIZE	8 3/4
MFG.	SMITH
TYPE	575
JETS 1/32"	14/15/15
SER. NO.	F2079
DEPTH OUT	~~8862~~
DEPTH IN	7860
TOTAL FTG.	2
TOTAL HRS. RUN	1/2
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	5:00	7.30
WEIGHT	9.2	
PRESSURE GRADIENT		
VISC.–SEC.	100	87
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 SGL.–S PAR'L.–P COMP.–C
7860	7862		2									

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
4.00	4.30	1/2		DRLG — TALLY 8889.21
4.30	7.30	4		CIRC. — STRAP 8887.73
8.30	12.00	3 1/2		HOIST TO CORE (STRAP) 1.48

DRILLER L. Ryke

DRILLING CREW PAYROLL DATA

DATE 1-10-72
WELL NAME & NO. DO DO CANYON K03.
COMPANY PETROLIA DRILLING.
TOOL PUSHER D Barker RIG NO. 7

MORNING TOUR P.M. A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		M. TULMAN	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		L. SHARP	8
DRKMAN		R. STINSON	8
MTRMAN		D. SHARP	8
FIREMAN			
FLRMAN		E. ARNDT	8
FLRMAN		K. CARLSON	8
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4 P.M. A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKE	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		D. FOX	8
FLRMAN			

DEPARTMENT OF NATURAL RESOURCES CONSERVATION DIVISION
APPROVED 1972 JAN 31 PM 1:50 BJS
CONSERVATION ENGINEERS

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS.	K03.	DO DO CANYON	1-9-72

OPERATOR: AQUITAINE of CANADA — CONTRACTOR: PETROLIA DRILLING. — RIG NO. 7

SIGNATURE OF OPERATOR'S REPRESENTATIVE —

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D Barker

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	D500	16

LOCATION

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 1-9-72

WELL NAME & NO. DO DO CANYON K03.

COMPANY PETROLIA DRILLING

TOOL PUSHER D Barker — RIG NO. 7.

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
	STB RMR OD	FT.	SIZE	WEIGHT
	D.C. ID OD	FT.	MFG.	PRESSURE GRADIENT
	STB RMR OD	FT.	TYPE	VISC.-SEC.
22	D.C. ID OD 6.410	FT.	JETS 1/32"	PV/YP
	STB RMR OD	FT.	SER. NO.	GELS.
1	BIT SUB 2.50		DEPTH OUT	WL.-CC'S.
2	XO SUB 4.70		DEPTH IN	pH
1			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 FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'P'D-C
8860												

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
12:00	1:45	1 3/4		PICK UP CORE BBL & SERVICE. change bearing
1:45	2:30	3/4		SLIP & CUT 52' DRILL LINE. RUN IN DRILL COLLARS
2:30	4:00	1 1/2		SLIP & CUT 52' DRILL LINE.
4:00	6:00	2		RUN IN W/ CORE BBL.
6:00	8:00	2		DROPPED BIT & PIPE TO BOTTOM SHEARED D.L.
				AIR TO CIRCULATE. & PICK UP BLANKS

DRILLER G. Mattson

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		R. DIRK	12
FLRMAN		M. TILMAN	12
FLRMAN			

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

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	6C
1	CORE BBL 30.25	63.46	SIZE	6 1/16
	STB RMR OD	FT.	MFG.	DP DRLG.
	D.C. ID OD	FT.	TYPE	44
	STB RMR OD	FT.	JET 1/32"	
22	D.C. ID OD 641.08	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
1	BIT SUB 2.50		DEPTH IN	8860
2	XO SUB 4.70		TOTAL FTG.	—
1	XO SUB 1.22		TOTAL HRS. RUN	—
85	STANDS DP	7951.75 FT.	COND. 1/8's T/B/ GAGE	CIRC
2	SINGLES DP	62.27 FT.	GPM/ PD-PSI	
	KELLY DOWN	✓ FT.		
	TOTAL	8762.98 FT.		
WT. OF STRING		150M. LBS.		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'P'D-C
8860							1150	5 1/2	44			

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
8:00	10:00	5		PICK UP BLANKS. EQUIP. & FILL PIPE
10:00	4:00	3		CIRC 4 SINGLES OFF BTM.
				LAYED DOWN 4 SINGLES

DRILLER

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

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

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD
	BIT	FT.	BIT NO.	6C
1	CORE BBL 30.25	63.46	SIZE	6 1/16
	STB RMR OD	FT.	MFG.	DP DRLG.
	D.C. ID OD	FT.	TYPE	44
	STB RMR OD	FT.	JETS 1/32"	
22	D.C. ID OD 641.08	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
1	BIT SUB 2.50		DEPTH IN	8860
2	XO SUB 4.70		TOTAL FTG.	
1	XO SUB 1.22		TOTAL HRS. RUN	
85	STANDS DP	7951.75 FT.	COND. 1/8's T/B/ GAGE	
2	SINGLES DP	62.27 FT.	GPM/ PD-PSI	
	KELLY DOWN	✓ FT.		
	TOTAL	8762.98 FT.		
WT. OF STRING		150M. LBS.		

EVENING TOUR

TIME				
WEIGHT	9.5	9.5	9.5	
PRESSURE GRADIENT				
VISC.-SEC.	90	80	85	
PV/YP	/	/	/	
GELS.	/	/	/	
WL.-CC'S.	10.4			
pH	9.5	9.5		
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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'P'D-C
8860							1150	5 1/2	44			

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
4:00	12:00	8		CIRC 4 SINGLES OFF BTM.
				85 STDS + 2 SINGLES IN HOLE
				4 SINGLES DOWN AT PRESENT

DRILLER

EVENING TOUR 4 P.M. — 12 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		A. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		A. SHARP	12
FIREMAN			
FLRMAN		G. ARNDT	12
FLRMAN		H. GUSTAFSON	12
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K02.	DO DO CANYON	1-8-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE COMPANY OF CANADA LTD.		PETROLIA OILWELL DRILLING.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
P.R. McPherson		D Baker	

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

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

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8			27			1008

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. DO DO CANYO
COMPANY PETROLIA DRILLING
TOOL PUSHER D Baker RIG NO. 7

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 RECORD	
	BIT	FT.	BIT NO.	19
			SIZE	8 3/4
	STB RMR OD	FT.	MFG.	SMITH.
22	D.C. ID OD	641.08 FT.	TYPE	555
	STB RMR OD	FT.	JETS 1/32"	14 15 15
	D.C. ID OD	FT.	SER. NO.	E7079
	STB RMR OD	FT.	DEPTH OUT	
1	BIT SUB	2.50	DEPTH IN	8787
1	SH. SUB	10.68	TOTAL FTG.	25
2	X0 SUB	4.70	TOTAL HRS. RUN	4 1/2
86	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	
1	SINGLES DP	3077.14 FT.	GPM/ PD-PSI	/ /
	KELLY DOWN	27.40 FT.		
	TOTAL	8812.96 FT.		
WT. OF STRING	149	LBS.		

MUD RECORD			
TIME	2 PM	3 PM	6 00
WEIGHT	9.3	9.3	9.25
PRESSURE GRADIENT			
VISC.-SEC.	88	86	93
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		9 8	
pH		10 0	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50		
PELTEX	100		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PART-P COMP-C
8787	8812	25			40	40	1600	5 1/2	58			

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
12 00	1 00			CLEAN BRIDGE 13 STDS. OFF BTM & FINISH IN.
1 00	2 30	1 1/2		CIRC. BTMS UP. NO FILL ON BTM.
2 30	6 45	4 1/4		DRILL.
6 45	7 45	1		WELD WASHED NIPPLE IN MUD LINE.
7 45	8 00	1/4		DRILL.
				RETRIEVED SURVEY BBL IN DRILL PIPE 400' F/TOP.

DRILLER L. Mattson

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		B. DIRK	12
FLRMAN		M. TULMAN	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	19
			SIZE	8 3/4
	STB RMR OD	FT.	MFG.	SMITH.
22	D.C. ID OD	641.08 FT.	TYPE	555
	STB RMR OD	FT.	JET 1/32"	14 15 15
	D.C. ID OD	FT.	SER. NO.	E7079
	STB RMR OD	FT.	DEPTH OUT	
1	BIT SUB	2.50	DEPTH IN	8787
1	SH. SUB.	10.68	TOTAL FTG.	63
2	X0 SUB.	4.70	TOTAL HRS. RUN	10
86	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	DRLG
2	SINGLES DP	8108.78 FT.	GPM/ PD-PSI	/ /
	KELLY DOWN	47 FT.		
	TOTAL	8857.23 FT.		
WT. OF STRING	149M.	LBS.		

MUD RECORD			
TIME	10 30	1 AM	3 30
WEIGHT	9.25	9.4	9.4
PRESSURE GRADIENT			
VISC.-SEC.	105	78	75
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	9.4		
pH	9.0	9.0	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	900		
CAUSTIC	150		
PELTEX	300		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PART-P COMP-C
8812	8850	38			40	38	1450	5 1/2	55			

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
8 00	10 00	2		DRILL.
10 00	10 15	1/4		RIG SERVICE & CHECK BOP.
10 15	1 45	3 1/2		DRILL.
1 45	4 00	2 1/4		CIRC. BTM HOLE SAMPLE

DRILLER

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	19
			SIZE	8 3/4
	STB RMR OD	FT.	MFG.	SM.
	D.C. ID OD	FT.	TYPE	555
	STB RMR OD	FT.	JETS 1/32"	14 15 15
23	D.C. ID OD	641.08 FT.	SER. NO.	E2079
	STB RMR OD	FT.	DEPTH OUT	
2	X0 SUB	4.70	DEPTH IN	8787
			TOTAL FTG.	73
			TOTAL HRS. RUN	11 1/2
87	STANDS DP	8177.20 FT.	COND. 1/8's T/B/ GAGE	2 / 1
	SINGLES DP	FT.	GPM/ PD-PSI	/ /
	KELLY DOWN	29' FT.		
	TOTAL	8888.92 FT.		
WT. OF STRING	146M.	LBS.		

MUD RECORD			
TIME	500	700	
WEIGHT	9.4	9.4	
PRESSURE GRADIENT			
VISC.-SEC.	70	80	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	9.6		
pH	9.5	9.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PART-P COMP-C
8850	8860	10			40	38	1450	5 1/2	55			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8860	7/4							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	5 30	1 1/2		DRLG.
5 30	8 00	2 1/2		CIRC. BTM HOLE SAMPLE.
8 00	11 45	3 3/4		SURVEY & HOIST 10 STDS.
11 45	12 00	1/4		PICK UP CORE BAL.

DRILLER

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SUART	12
DRKMAN		K. THOMSON	12
MTRMAN		D. SUART	12
FIREMAN			
FLRMAN		E. ARNOT	12
FLRMAN		K. CUSTAUSON	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE Am HESS	K03.	DO DO CANYON	1-7-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE of CANADA.		PETROLIA OILWELL DRILLING.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
G.E. Robertson		D Baker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	DA500	16
2	"	D500	16

LOCATION								
	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8			27			1008

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 1-7-1972

WELL NAME & NO. DO DO CANYON K03.

COMPANY PETROLIA DRILLING.

TOOL PUSHER D Baker RIG NO. 7

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.
22	D.C. ID	OD	689.68 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
1	SH. SUB.		10.68
2	XO SUB		4.70
86	STANDS DP		8045.56 FT.
	SINGLES	DP	FT.
	KELLY DOWN		17.40 FT.
	TOTAL		8770.52 FT.
WT. OF STRING			149M LBS.

BIT RECORD

BIT NO.	18
SIZE	8 3/4
MFG.	SMITH
TYPE	SJS.
JETS 1/32"	14 15 15
SER. NO.	FN731
DEPTH OUT	
DEPTH IN	8546
TOTAL FTG.	224
TOTAL HRS. RUN	35
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	1:30	4:30	6:15
WEIGHT	9.3	9.3	9.3+
PRESSURE GRADIENT			
VISC.-SEC.	86	81	65
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		10.0	
pH	10.0	8.6	
SOLIDS %	DESILTER		1 3/4 6 PM
UNDER	12.4	OVER	9.3

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. 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'D--C
8710	8770	60			40	40	1600	5 1/2	58			

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
12:00	8:00	8		DRILL.

DRILLER D Mattson

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		B. DIRK	12
FLRMAN		M. TULMAN	12
FLRMAN			

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.
22	D.C. ID	OD	689.68 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
1	SH. SUB		10.68
2	XO. SUB		4.70
86	STANDS DP		8045.56 FT.
	SINGLES	DP	FT.
	KELLY DOWN		34.40 FT.
	TOTAL		8787.52 FT.
WT. OF STRING			149 LBS.

BIT RECORD

BIT NO.	18
SIZE	8 3/4
MFG.	SMITH
TYPE	SJS.
JET 1/32"	14 15 15
SER. NO.	FN731
DEPTH OUT	
DEPTH IN	8546
TOTAL FTG.	241
TOTAL HRS. RUN	37 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	10:00
WEIGHT	9.3
PRESSURE GRADIENT	
VISC.-SEC.	91
PV/YP	/
GELS.	/
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	800#		
CAUSTIC	100#		
PELTEX	200#		

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. 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'D--C
8770	8787	17			40	40	1600	5 1/2	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8787								

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:45	2 3/4		DRILL.
10:45	12:15	1 1/2		CIRC. SAMPLE.
12:15	4:00	3 3/4		DROP SURVEY, BLOW KELLY & HOIST

DRILLER

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

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.
22	D.C. ID	OD	689.68 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
1	SUB		10.68
2	XO SUB		4.70
86	STANDS DP		8045.56 FT.
	SINGLES	DP	FT.
	KELLY DOWN		34.40 FT.
	TOTAL		8787.52 FT.
WT. OF STRING			149 LBS.

BIT RECORD

BIT NO.	19
SIZE	8 3/4
MFG.	SM
TYPE	575
JETS 1/32"	14 15 15
SER. NO.	E2179
DEPTH OUT	
DEPTH IN	8787
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	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'D--C
8787												

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
4:00	9:15	5 1/4		SURVEY 28L NOT IN CHARTS. TRY TO RECOVER SURVEY 28L IN DRILL CHARTS
9:15	11:30	2 1/4		RUN IN W/ BIT #19
11:30	12:00	1/2		BRIDGE OFF 12 STDS OFF BTM. PICK UP KELLY & CIRC

DRILLER

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		M. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		A. SHARP	12
FIREMAN			
FLRMAN		E. ARNOT	12
FLRMAN		K. GUSTAVSON	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

STOP 1 MAC

Form 3T5 APPROVED APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DO DO CANYON	1-6-72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE of CANADA.		PETROLIA OILWELL DRILLING.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
J.E. Robertson		D Baker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA 500	16
2	"	D500	16

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8			27			1008

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 1-6-72

WELL NAME & NO. DoDo CANYON K03

COMPANY PETROLIA DRILLING

TOOL PUSHER D Baker. RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	8	7 3/4	7 3/4
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG		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.			
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. 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.			FT.
	BIT		
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD	686.42 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
1	SH. SUB.		10.68
2	XO SUB.		4.70
84	STANDS DP		7908.76 FT.
	SINGLES DP		FT.
	KELLY DOWN		41.40 FT.
	TOTAL		8608.36 FT.
WT. OF STRING			148M. LBS.

BIT RECORD

BIT NO.	18
SIZE	8 3/4
MFG.	SMITH
TYPE	535
JETS 1/32"	14 15 15
SER. NO.	FN731
DEPTH OUT	
DEPTH IN	8546
TOTAL FTG.	62
TOTAL HRS. RUN	11 1/2
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/ /

MUD RECORD

TIME	1 00	4 30	6 00
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	69	72	76
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.2		
pH	10.0		
SOLIDS %	DESILTER 3 6 PM		
	UNDER 12.8	OVER 9.2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2100#		

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. 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
8566	8608	42			40	36	1600	5 1/2	57			

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
12 00	8 00	8		DRILL.

DRILLER C. Matteson

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		C. MATTESON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F TOMCZAK	12
FIREMAN			
FLRMAN		B DIRK	12
FLRMAN		M. TULMAN	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD	686.42 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
1	SH. SUB		10.68
2	XO SUB.		4.70
84	STANDS DP		7908.76 FT.
2	SINGLES DP		62.16 FT.
	KELLY DOWN		14' FT.
	TOTAL		8610.52 FT.
WT. OF STRING			148M. LBS.

BIT RECORD

BIT NO.	18
SIZE	8 3/4
MFG.	SMITH
TYPE	535
JET 1/32"	14 15 15
SER. NO.	FN731
DEPTH OUT	
DEPTH IN	8546
TOTAL FTG.	110
TOTAL HRS. RUN	19 1/4
COND. 1/8" T/B/ GAGE	PR 8
GPM/ PD--PSI	/ /

MUD RECORD

TIME	10 30	1200	200
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	79	82	75
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.8		
pH	10.0		
SOLIDS %	DESILTER 20 PM		
	UNDER 12.6	OVER 9.2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	75#		
PELTEX	150#		

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 SGL.-S PAR'L.-P COM'P.-C
8608	8656	48			42	40	1700	5 1/2	60			

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
8 00	8 15	1/4		RIG SERVICE, CHECK BOP & KELLY COCK
8 15	400	9 3/4		DRILL.

DRILLER

DRILLING CREW PAYROLL DATA

DATE 1-6-72

WELL NAME & NO. DoDo CANYON K03

COMPANY PETROLIA DRILLING

TOOL PUSHER D Baker. RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
22	D.C. ID	OD	689.42 FT.
	STB RMR	OD	FT.
1	BIT SUB		2.50
1	SH. SUB		10.68
2	XO SUB		4.70
85	STANDS DP		7951.74 FT.
1	SINGLES DP		30.76 FT.
	KELLY DOWN		41' FT.
	TOTAL		8731.47 FT.
WT. OF STRING			148M. LBS.

BIT RECORD

BIT NO.	18
SIZE	8 3/4
MFG.	SM
TYPE	535
JETS 1/32"	14 15 15
SER. NO.	FN731
DEPTH OUT	
DEPTH IN	8546
TOTAL FTG.	166
TOTAL HRS. RUN	27
COND. 1/8" T/B/ GAGE	DALG
GPM/ PD--PSI	/

MUD RECORD

TIME	600	800	10 45
WEIGHT	9.3+	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	82	63	85
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.4		
pH	10.5	10.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL.	1200#		

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'L.-P COM'P.-C
8656	8710	54			40	38	1450	5 1/2	55			

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
400	530	1 1/2		DRLG.
530	545	1/4		RIG SERVICE
545	1200	6 1/4		DRLG

DRILLER

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHORT	12
DRKMAN		K. TOMLSON	12
MTRMAN		J. SHORT	12
FIREMAN			
FLRMAN		E ARNDT	12
FLRMAN		K CASTERSON	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

STPI FSHAL

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquitaine Mobil Am Hess	K03	Da Da Canyon	Jan. 5, 72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drilling	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R. E. Mobley Jr.			

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	DA 500	16
2	"	"	"

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8			27			1008

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 Jan. 5, 72
WELL NAME & NO. Aquitaine K03
COMPANY Petrolia Drlg.
TOOL PUSHER _____ RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING	2¼		
5.	CONDITION MUD & CIRCULATE	3¾		
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			
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	63.46	FT.
	STB RMR OD		FT.
22	D.C. ID OD	640.32	FT.
	STB RMR OD		FT.
2	xo Subs	4.70	
1	Bit Sub	2.50	
1	¾ Sub	1.22	
53	STANDS DP	7784.46	FT.
	SINGLES DP		FT.
	KELLY DOWN	18.50	FT.
	TOTAL	8565.90	FT.
WT. OF STRING		154M	LBS.

BIT RECORD

BIT NO.	5C
SIZE	6 1/16
MFG.	Smit
TYPE	◇
JETS 1/32"	
SER. NO.	0114
DEPTH OUT	
DEPTH IN	8555
TOTAL FTG.	11
TOTAL HRS. RUN	2¼
COND. 1/8's T/B/ GAGE	6 6 D
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1:00	2:30	4:30
WEIGHT	9.2	9.2	9.3
PRESSURE GRADIENT			
VISC.-SEC.	185	195	68
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		9.6	8.6
pH		10.0	8.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Pelfex	750		
Caustic	100		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
22	D.C. ID OD	686.42	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
1	Bit Sub.	2.50	
2	xo Sub.	4.70	
1	SH Sub.	10.68	
23	STANDS DP		FT.
1	SINGLES DP	78.16	FT.
	KELLY DOWN	30.40	FT.
	TOTAL	8515.74	FT.
WT. OF STRING		154	LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Sm.
TYPE	5JS.
JET 1/32"	14 15 15
SER. NO.	FN 731
DEPTH OUT	
DEPTH IN	8546
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.
22	D.C. ID OD	686.47	FT.
	STB RMR OD		FT.
1	Bit Sub	2.50	
2	xo Sub	4.70	
1	SH Sub	10.68	
23	STANDS DP	7815.30	FT.
2	SINGLES DP	62.34	FT.
	KELLY DOWN	11	FT.
	TOTAL	8577.24	FT.
WT. OF STRING		148 M.	LBS.

BIT RECORD

BIT NO.	18
SIZE	8¾
MFG.	Sm
TYPE	5JS
JETS 1/32"	14 15 15
SER. NO.	FN 731
DEPTH OUT	
DEPTH IN	8546
TOTAL FTG.	20
TOTAL HRS. RUN	3½
COND. 1/8's T/B/ GAGE	D 1 6
GPM/ PD-PSI	/

MUD RECORD

TIME	4:00	7:00	10:00
WEIGHT	9.3	9.3	9.2
PRESSURE GRADIENT			
VISC.-SEC.	96	60	61
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		8.6	
pH	10.5	10.5	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DRLD 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 PARL-P COMPL-C
8555	8546	11			58	10	1815 1750	5½	3½/3			

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	3⁴⁵	3¾		Circ. Core Brl. & Cond Mud
3⁴⁵	6⁰⁰	2¼		Cut Core #5 8535-8546
6⁰⁰	8⁰⁰	2		Hoist Core #5 Rec 11'

DRILLER L. Ryks

DAY TOUR

FOOTAGE

FROM	TO	DRLD RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COMPL-C
8535	8537	2		Recovered 11' Core	40	8	1400	5½	46			

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
8⁰⁰	9⁰⁰	1		Finish Dot.
9⁰⁰	10³⁰	1½		Recover Core. Service RH & Stand Back
10³⁰	11⁰⁰	½		Rig Service. Check BOP
11⁰⁰	11³⁰	½		Slip 52' Drill Line.
11³⁰	3³⁰	4		Run In w/ Bit #18
3³⁰	4⁰⁰	½		Ream Rat Hole.

DRILLER G. Mattson

EVENING TOUR

FOOTAGE

FROM	TO	DRLD RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COMPL-C
8537	8546	9	Ft	Reamed.	40	8/10	1400	5½	55			
8546	8566	20			40	35	1400	5½	55			

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
4⁰⁰	7⁴⁵	3¾		Ream Rat Hole.
7⁴⁵	8⁰⁰	¼		Rig Service
8⁰⁰	8³⁰	½		Ream Rat Hole.
8³⁰	12⁰⁰	3½		Drlg

TOTAL 11 Ft Reamed in 4¾ Hrs

DRILLER _____

MORNING TOUR 12⁰⁰ P.M. 6⁰⁰ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	7
DRKMAN		D. Kellner	8
MTRMAN		O. Arsenault	8
FIREMAN			
FLRMAN		P. Hoffer	8
FLRMAN		D. Fox	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. Mattson	8
DRKMAN		E. Halstad	8
MTRMAN		F. Tomczak	8
FIREMAN		B. Dirk	
FLRMAN			8
FLRMAN		M. Tulman	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		M. Sharp	8
DRKMAN	389610433	K. Johnson	8
MTRMAN		D. Sharp	8
FIREMAN			
FLRMAN		F. Arndt.	8
FLRMAN		K. Eastal	
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

STATE OF ALASKA DEPARTMENT OF REVENUE ALASKA HOUSE BILL 1 SESSION 1959 SEC. 43.20 STATE TAX COMMISSION ANCHORAGE, ALASKA

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM HESS	K-3	DO DO CANYON	JAN 4, 72
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.R. Robertson		D. Barker	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	EMSCO	DA500	16
						2	"	"	16

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8			27			1004

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 JAN. 4, 72.
WELL NAME & NO. AQUITAINE K-3
COMPANY PETROLIA DRLG
TOOL PUSHER N. Barker RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL		2	
3.	REAMING	1½		
4.	CORING			
5.	CONDITION MUD & CIRCULATE		2¼	
6.	TRIPS	3¼	3½	
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.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	RAN BBL	¾		
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS		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.			FT.
	BIT		FT.
1	STB RMR	OD	15.00 FT.
1	D.C. ID 7⅛	OD	31.20 FT.
	STB RMR	OD	FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	XO SUBS		4.70
1	SAV SUB		10.66
83	STANDS DP		7815.30 FT.
	SINGLES DP		FT.
	KELLY DOWN		38.00 FT.
	TOTAL		8527.40 FT.
WT. OF STRING			154 LBS.

BIT RECORD

BIT NO.	18 R.R.
SIZE	8¾
MFG.	SEC
TYPE	M88
JETS 1/32"	14/14/15
SER. NO.	RR
DEPTH OUT	
DEPTH IN	8508
TOTAL FTG.	16
TOTAL HRS. RUN	2¼
COND. 1/8's T/B/ GAGE	/ /
GPM/ PD-PSI	/ /

MUD RECORD

TIME	7:00		
WEIGHT	9.2		
PRESSURE GRADIENT			
VISC.-SEC.	90		
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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL. PARTIAL CORE REC.
8508	8524	15			42	38	1600	5½	60			

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
12:00	1:15	1¼		HOIST PLUGGED CORE BBL.
1:15	2:00	¾		CLEAN BBL & RACK IN DERRICK
2:00	3:30	1½		LAY NON ROT. STAB — RUN IN W/BIT
3:30				PICK UP KELLY & CLEAN BRIDGE @ 6090
	5:00	1½		CLEAN 60'
5:00	5:30	½		FINISH RUN IN TO BOTM.
5:30	8:00	2½		D.R.C.

DRILLER L. Ryks

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
1	STB RMR	OD	15.00 FT.
1	D.C. ID 7⅛	OD	31.20 FT.
1	STB RMR SHOCK SUB	OD	10.68 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	XO SUB		4.70
83	STANDS DP		7846.14 FT.
1	SINGLES DP		18.40 FT.
	KELLY DOWN		FT.
	TOTAL		8559.24 FT.
WT. OF STRING			154M LBS.

BIT RECORD

BIT NO.	18 R.R.
SIZE	8¾
MFG.	SEC
TYPE	M88
JET 1/32"	14/14/15
SER. NO.	RR
DEPTH OUT	8509
DEPTH IN	26
TOTAL FTG.	4½
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	10:30		
WEIGHT	9.2		
PRESSURE GRADIENT			
VISC.-SEC.	112		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	7.6		
pH	8.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CMC	100#		
GEL	200#		
CAUSTIC	100#		
POLYFLX	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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL. PARTIAL CORE REC.
8524	8535	11			42	38	1600	5½	60			

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
8:00	8:30	½		DRILL
8:30	8:45	¼		RIG SERVICE & CHECK BOP.
8:45	10:15	1½		DRILL.
10:15	12:30	2¼		CIRC TO CONDITION MUD + SAMPLE TO SURFACE
12:30	4:00	3½		HOIST TO CORE
				KELLY IN 18.50

DRILLER G. Mattson

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
1	S.UB		2.50
1	R. BBL		64.68
83	STANDS DP		7815.30 FT.
1	SINGLES DP		31.48 FT.
	KELLY DOWN		3' FT.
	TOTAL		8568.90 FT.
WT. OF STRING			154 LBS.

BIT RECORD

BIT NO.	19 SC
SIZE	6 1/16
MFG.	
TYPE	4
JETS 1/32"	
SER. NO.	0114
DEPTH OUT	
DEPTH IN	8535
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.
CAUSTIC	50#		
QUICK	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 SCL. PARTIAL CORE REC.
8535												

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
4:00	4:30	½		HOIST TO CORE
4:30	5:15	¾		PICK UP BBL. & SERVICE SAME
5:15	5:30	¼		RIG SERVICE
5:30	9:00	3½		RUN IN W/ CORE BBL.
9:00	9:45	¾		BREAK CIRC & CIRC CORE BBL. 5 STDS OFF BTM.
9:45	10:15	½		FLUSH IN W/ BBL.
10:15	12:00	1¾		PICK CORE BBL. OFF BTM.

DRILLER V. Beaty

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		R. KELLNER	8
MTRMAN		D. HESENAULT	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		D. FOX	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR A.M. _____ P.M. _____

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN			
FLRMAN		B. DIRK	8
FLRMAN		M. TULMAN	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		A. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		D. SHARP	8
FIREMAN			
FLRMAN		E. BRANDT	8
FLRMAN		DIRK & FOL	4
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM HESS	K02	DO DO CANYON	Jan 3, 72
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
R.L. Richardson		D Barker.	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4					

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

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8			27			1008

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 Jan 3, 72
WELL NAME & NO. AQUITAINE K-2
COMPANY PETROLIA
TOOL PUSHER D Barker RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8		
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.			FT.
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	XO SUB	4.70	
1	SH. SUB	10.68	
82	STANDS DP	7781.23	FT.
2	SINGLES DP	77.11	FT.
	KELLY DOWN	35.11	FT.
	TOTAL	8501.29	FT.
WT. OF STRING		154M	LBS.

BIT RECORD

BIT NO.	17
SIZE	8 3/4
MFG.	REED
TYPE	SCH5
JETS 1/32"	14 14 15
SER. NO.	289113
DEPTH OUT	8360
DEPTH IN	8360
TOTAL FTG.	135
TOTAL HRS. RUN	21 3/4
COND. 1/8's T/B/ GAGE	/ /
GPM/ PD–PSI	/ /

MUD RECORD

TIME	1200	3:00	6:00
WEIGHT	9.2	9.2.	9.2.
PRESSURE GRADIENT			
VISC.–SEC.	63	69	68
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	9.0	9.2.	9.6
pH	9.0	9.5	10.0
SOLIDS %	Desilter	1 G.P.M.	
	Under	12.8 Over.	9.1

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Caustic	50		
Peltex	100		
Sodafish	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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCH–S PAR'EL–P COMP'C–C
8453	7495	42			42	40	1600	5½	60			

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
12 00	8 00	8		DRLG PUMP 35 SPM – 725 PSI

DRILLER L. Ryks

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	XO SUB	4.70	
1	SH. SUB	10.68	
82	STANDS DP	7812.88	FT.
	SINGLES DP		FT.
	KELLY DOWN	15.40	FT.
	TOTAL	8532.94	FT.
WT. OF STRING		154	LBS.

BIT RECORD

BIT NO.	17
SIZE	8 3/4
MFG.	REED
TYPE	SCH5
JET 1/32"	14 14 15
SER. NO.	289113
DEPTH OUT	8506
DEPTH IN	8360
TOTAL FTG.	146
TOTAL HRS. RUN	23 3/4
COND. 1/8's T/B/ GAGE	8 4 1
GPM/ PD–PSI	/ /

MUD RECORD

TIME	9 30	11 00	
WEIGHT	9.2	9.2	
PRESSURE GRADIENT			
VISC.–SEC.	70	74	
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.		9.6	
pH		10.0	
SOLIDS %	DESILTER 16 PM		
	UNDER 12.6 OVER	9.1	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCH–S PAR'EL–P COMP'C–C
8495	8506	11			42	40	1600	5½	60			

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
8 00	9 30	1½		DRILL.
9 30	10 00	½		RIG SERVICE, CHECK BOP, KELLY COCK & MOTOR SHUT OFF
10 00	11 30	1½		DRILL.
11 30	1 00	1½		CIRC. SAMPLE PUMP STROKES 36-750
1 00	4 00	3		HOIST. STRAP OUT. 40-875
				50-1250

DRILLER A. Mattson

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	XO SUB	4.70	
1	SH. SUB	10.68	
82	STANDS DP	7912.88	FT.
	SINGLES DP		FT.
	KELLY DOWN	15.40	FT.
	TOTAL	8532.94	FT.
WT. OF STRING		154	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. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCH–S PAR'EL–P COMP'C–C
8506												

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
4 00	5 15	1¼		STRAP OUT STRAP TALLY 8535.30
5 15	6 00	¾		PICK UP CORE BBL. PIPE TALLY 8532.94
6 00	7 00	1		RUN IN DRLG COLLARS DIFF 2.36
7 00	7 45	1¼		SLIP & CUT 208' DRLG LINE CORR MADE
7 45	9 45	1¾		RUN IN W/ CORE BBL
9 45	10 30	¾		BRIDGED OFF 29 STDS OFF BTM, CIRC, PLUGGED BBL
10 30	12 00	1½		HOIST FOR PLUGGED CORE BBL

DRILLER

MORNING TOUR 12 00 P.M. 4 00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		D. HREENHALT	8
FIREMAN			
FLRMAN		P HOFER	8
FLRMAN		D. FOX	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		M. TULMAN	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		N. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		E. ARNDT	8
FLRMAN		M. TULMAN	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM HESS	K03	D. DE CANTON	Jan 2. 72
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
P. Hofer		D Barker	

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

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

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 3/8			27			1005

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 Jan 2. 72
WELL NAME & NO. AQUITAINE K03
COMPANY PETROLIA
TOOL PUSHER D Barker RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	1/2	6 1/4	7 1/2
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	5		
7. LUBRICATE RIG			1/4
8. REPAIR RIG		1/2	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.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. CL. TO BTM.	1	1/4	
22. CIRC SAMPLE	1 1/2		
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		FT.
1	STB RMR	OD	15.00 FT.
1	D.C. ID	7 1/8 OD	31.20 FT.
1	STB RMR	7 11/16 OD	7.96 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	XO SUB		4.70
1	SH SUB		10.68
81	STANDS DP		FT.
1	SINGLES DP		7656.50 FT.
	KELLY DOWN		24.84 FT.
	TOTAL		8376.58 FT.
WT. OF STRING		154M.	LBS.

BIT RECORD

BIT NO.	16
SIZE	8 3/4
MFG.	SEC
TYPE	M84
JETS 1/32"	14/14/14
SER. NO.	912305
DEPTH OUT	8360
DEPTH IN	7100
TOTAL FTG.	1260
TOTAL HRS. RUN	39 1/2
COND. 1/8's T/B/ GAGE	8/8/1
GPM/ PD--PSI	/ /

MUD RECORD

TIME	2:00		
WEIGHT	9.1		
PRESSURE GRADIENT			
VISC.-SEC.	56		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	9.2		
pH	8.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1100		
CMC.	50		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SURS PARE-P COMP-C
8356	8360	4			42	40	1600	5 1/2	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8360	1°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 30	1/2		DRLG.
12 30	2 00	1 1/2		CIRC SAMPLE
2 00	4 20	2 1/2		SURVEY + HOIST
4 20	7 00	2 1/2		CHANGE RUBBER ON STAB + RUNNING BIT
7 00	8 00	1		PICK UP KELLY @ 8220' CLEAN FILL 36'
				CHECKE BOP'S WHILE OUT OF HOLE

DRILLER L. Ryks

MORNING TOUR — P.M. 8 — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	12
DRKMAN		D. KELLNER	12
MTRMAN		O. ARSENAULT	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		D. FOX	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR	OD	15.00 FT.
1	D.C. ID	7 1/8 OD	31.20 FT.
1	STB RMR	7 11/16 OD	7.96 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	XO SUB		4.70
1	SH SUB		10.68
81	STANDS DP		FT.
2	SINGLES DP		7688.18 FT.
	KELLY DOWN		36.40 FT.
	TOTAL		8408.24 FT.
WT. OF STRING		154M.	LBS.

BIT RECORD

BIT NO.	17
SIZE	8 3/4
MFG.	REED
TYPE	SCH-5
JET 1/32"	14/14/15
SER. NO.	689113
DEPTH OUT	
DEPTH IN	8360
TOTAL FTG.	43
TOTAL HRS. RUN	6 1/4
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME		12 00	3 PM
WEIGHT		9.1+	9.2
PRESSURE GRADIENT			
VISC.-SEC.		62	64
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		10.6	
pH		9.0	
SOLIDS %	DESILTER	3/4 GPM	
	UNDERFLOW 10.2	OVER 9.1	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	900 #		
CMC	50 #		
CAUSTIC	50 #		
FELTEX	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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SURS PARE-P COMP-C
8360	8403	43			42	35/38	1600	5 1/2	60			

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
8 30	8 30	1/2		CHANGE HEAD + LINER IN PUMP Pump 35 52PM - 760 PSI
8 30	9 45	1 1/4		CLEAN TO BTM. 110'
9 45	4 00	6 1/4		DRLG.

DRILLER

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR	OD	15.00 FT.
1	D.C. ID	7 1/8 OD	31.20 FT.
1	STB RMR	7 11/16 OD	7.96 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	XO SUB		4.70
1	SH SUB		10.68
80	STANDS DP		FT.
1	SINGLES DP		7748.59 FT.
	KELLY DOWN		25.40 FT.
	TOTAL		8469.65 FT.
WT. OF STRING		154M.	LBS.

BIT RECORD

BIT NO.	17
SIZE	8 3/4
MFG.	REED
TYPE	SC H5
JETS 1/32"	14/14/15
SER. NO.	689113
DEPTH OUT	
DEPTH IN	8360
TOTAL FTG.	93
TOTAL HRS. RUN	13 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	5 PM	7 30	10.30
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT	~~75~~		
VISC.-SEC.	76	78	66
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		9.9	8.8
pH		10.0	10.0
SOLIDS %	DESILTER	~~9 GPM~~	11 GPM
	UNDERFLOW 14.6	OVER 9.2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SODA ASH	100 #		
CMC	50 #		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SURS PARE-P COMP-C
8403	8453	50			42	38	1600	5 1/2	60			

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
				STROKES - 35 - 750
4 00	4 30	1/2		DRILL. 40 - 950
4 30	4 45	1/4		RIG SERVICE. 50 - 1225
4 45	9 15	4 1/2		DRILL.
9 15	9 30	1/4		CHANGE GLAND PACKING FLY WHEEL SIDE of PUMP.
9 30	12 00	2 1/2		DRILL.

DRILLER L. Mattson

EVENING TOUR — P.M. _____ — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		B. DIRK	12
FLRMAN		M. TULMAN	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquitaine Mobil Am Hess	K03	Do Do Cannon	Jan 1, 72
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
A. Robertson		E. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	DA250	16
2	"	"	"

LOCATION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8			27			1005

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 Jan 1, 72

WELL NAME & NO. Aquitaine K03

COMPANY Petrolia

TOOL PUSHER E Barker — RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	8	7¾	8
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG		¼	
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		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	STB RMR	OD	15.00 FT.
1	D.C. ID 7½	OD	31.20 FT.
1	STB RMR 7 1/16	OD	7.96 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	4½ Subs		4.70
1	Sm Sub		10.68
80	STANDS DP		FT.
2	SINGLES DP		7595.15 FT.
	KELLY DOWN		22.40 FT.
	TOTAL		8315.21 FT.
WT. OF STRING			154M. LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾
MFG.	Sec.
TYPE	M88
JETS 1/32"	14/14/14
SER. NO.	912305
DEPTH OUT	
DEPTH IN	8100
TOTAL FTG.	~~8196~~ 96
TOTAL HRS. RUN	~~31~~
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/ /

MUD RECORD

TIME	12:00	3:00	6:00
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	60	60	63
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.	9.4	.	11.6
pH	10.0	10.0	9.5
SOLIDS %	Desilter 1 GPM.		
	Under 12.6	Over 9.2.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500#		
C.M.C	100#		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCI--S PART'L--P COMP'D--C
8192	8244	52			42	40	1600	5½	60			

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
12:00	8:00	8		Drlg.

DRILLER L. Ryke

MORNING TOUR

MORNING TOUR

12:00 P.M. — 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryke	12
DRKMAN		D. Kelliher	12
MTRMAN		O. Arkenault	12
FIREMAN			
FLRMAN		P. Hofer	12
FLRMAN		D. Fox	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
1	STB RMR	OD	15.00 FT.
1	D.C. ID 7½	OD	31.20 FT.
1	STB RMR 7 1/16	OD	7.96 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	4½ Subs		4.70
1	Sm Sub		10.68
80	STANDS DP		FT.
2	SINGLES DP		7595.15 FT.
	KELLY DOWN		22.40 FT.
	TOTAL		8315.21 FT.
WT. OF STRING			154M. LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾
MFG.	Sec
TYPE	M88
JET 1/32"	14/14/14
SER. NO.	912305
DEPTH OUT	
DEPTH IN	8100
TOTAL FTG.	196
TOTAL HRS. RUN	31
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/ /

MUD RECORD

TIME	8:00	11:00	1 PM
WEIGHT	9.2+	9.2	92
PRESSURE GRADIENT			
VISC.-SEC.	68	45	87
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.	9.4		
pH	8.5	9.0	
SOLIDS %	Desilter 1 GPM		
	Under 12.8	Over 9.2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	150		
Petrex	150		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCI--S PART'L--P COMP'D--C
8244	8296	52			42	40	1600	5½	60			

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
8:00	9:15	1¼		Drlg.
9:15	9:30	¼		Rig Serv + Bops + Motor Shut off's
9:30	4:00	6½		Drlg.

DRILLER

DAY TOUR

DAY TOUR

_____ A.M. — _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
1	STB RMR	OD	15.00 FT.
1	D.C. ID 7½	OD	31.20 FT.
1	STB RMR 7 1/16	OD	7.96 FT.
21	D.C. ID	OD	609.12 FT.
	STB RMR	OD	FT.
2	4½ Subs		4.70
1	Sm Sub		10.68
80	STANDS DP		FT.
2	SINGLES DP		7595.15 FT.
	KELLY DOWN		22.40 FT.
	TOTAL		8315.21 FT.
WT. OF STRING			154M. LBS.

BIT RECORD

BIT NO.	16
SIZE	8¾
MFG.	Sec.
TYPE	M88
JETS 1/32"	14 ✓ ✓
SER. NO.	912305
DEPTH OUT	
DEPTH IN	8100
TOTAL FTG.	256
TOTAL HRS. RUN	39
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/ /

MUD RECORD

TIME	4:00	7:00	10:30
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	82	64	60
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.		14.6	10.4
pH		10.5	10.5
SOLIDS %	[redacted]		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CMC	100#		
Soda Ash	200#		
Gel	1600#		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCI--S PART'L--P COMP'D--C
8296	8356	60			42	40	1600	5½	60			

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
4:00	12:00	8		Drill. Pump Strokes 35-750 40-950 50-1225
				Held Blow Out Drill

DRILLER A. Mattson

EVENING TOUR

EVENING TOUR

_____ P.M. — _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. Mattson	12
DRKMAN		E. Harstad	12
MTRMAN		F. Tomczak	12
FIREMAN			
FLRMAN		B. Dirk	12
FLRMAN		M. Tolman	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 2T5 — APPROVED — APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE-MOBIL AM HESS	K03	DO DO CANYON	DEC. 31, 71

OPERATOR: AQUIT — CONTRACTOR: PETROLIA OILWELL DRLG. — RIG NO. 7

SIGNATURE OF OPERATOR'S REPRESENTATIVE: M. Robertson

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: N. Baker

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	"	"

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8			27			1008

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 DEC. 31, 71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER N. Baker — RIG NO. 7

MORNING TOUR — 12:00 P.M. — 7:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	12
DRKMAN		D. KELLIHER	12
MTRMAN		O. ARSENAULT	12
FIREMAN			
FLRMAN		P. HOFFER	12
FLRMAN		D. FOX	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			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		B. DIRK	12
FLRMAN		M. TULMAN	12
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		7 1/4	8
3. REAMING	6	1/2	
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	1 3/4		
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.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. BREAK CIRC	1/4		
22.			
23.			
COMPLETION: A. PERS'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

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	6 SUB	4.70	
1	S SUB	10.68	
78	STANDS DP	7347.12	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	44.40	FT.
	TOTAL	8095.72	FT.
WT. OF STRING		152M	LBS.

BIT RECORD

BIT NO.	16
SIZE	8 3/4
MFG.	SEC.
TYPE	M66
JETS 1/32"	14 14 14
SER. NO.	912305
DEPTH OUT	
DEPTH IN	8100
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	5:00	7:00	
WEIGHT	9.2	9.2+	
PRESSURE GRADIENT			
VISC.-SEC.	70	71	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	10.0	10.6	
pH	10.0	9.5	
SOLIDS %	Desilter	Flow	G.P.M.
	Under 12.8	Over	9.2.

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARLL-P COMPD
7069	8095	26			40	9/2	1450	5 1/2	55			

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
12:00	1:45	1 3/4		RUN IN W/ BIT
1:45	2:00	1/4		BREAK CIRC.
2:00	8:00	6		REAM RAT HOLE 7069-8095

DRILLER L. Ryks

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	6 SUB	4.70	
1	S. SUB	10.68	
79	STANDS DP	7438.10	FT.
	SINGLES DP		FT.
	KELLY DOWN	24.40	FT.
	TOTAL	8158.16	FT.
WT. OF STRING		152	LBS.

BIT RECORD

BIT NO.	16
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JET 1/32"	14 V V V
SER. NO.	912305
DEPTH OUT	
DEPTH IN	8100
TOTAL FTG.	41
TOTAL HRS. RUN	7 1/4
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	10:00	12:00	3:00
WEIGHT	9.2.	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	60	79	68
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		10.3	
pH	10.0	10.5	
SOLIDS %	Desilter	Flow	Total Vol.
	Under 13.6	Over	9.2

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1400	Soda Ash	100
C.M.C.	100		
Caustic	100		
Polytex	200		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARLL-P COMPD
8095	8100	SRM.			42	40	1600	5 1/2	60			
8100	8141	41 DR.										

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
8:00	8:15	1/4		RIG SERV - CHECK BOP'S + KELLY COCK (OK)
8:15	8:45	1/2		REAM RAT HOLE
8:45	4:00	7 1/4		DRILL

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	KO. SUBS.	4.70	
1	SN. SUB	10.68	
77	STANDS DP		FT.
1	SINGLES DP	7501.13	FT.
	KELLY DOWN		FT.
	TOTAL	8221.19	FT.
WT. OF STRING		153M	LBS.

BIT RECORD

BIT NO.	16
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JETS 1/32"	14 V V
SER. NO.	912305
DEPTH OUT	
DEPTH IN	8100
TOTAL FTG.	92
TOTAL HRS. RUN	15 1/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	5:00	8:00	10:00
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	64	64	6.4
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			10.4
pH			10.5
SOLIDS %	Desilter	ON Hoffer	
	Under	Over	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		
CMC	150#		
Soda Ash	100#		

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 PARLL-P COMPD
8141	8192	51			42	40	1600	5 1/2	60			

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
4:00	12:00	8		DRLG

DRILLER G. Mattson

32 1/4
32 9

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquit Mobil Am Vess	K03	DaDo Canyon	Dec 30, 71
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.E. Robertson		J. Burke	

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

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

LOCATION

LAST CASING, TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8			27			1005

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 Dec 30 71

WELL NAME & NO. Aquit K03

COMPANY Petrolia

TOOL PUSHER J. Burke — RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL		~~11~~ 12	
3	REAMING			
4	CORING		4	2½
5	CONDITION MUD & CIRCULATE			
6	TRIPS		4	3½
7	LUBRICATE RIG			
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			¼
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	Recover Core			1½
22				
23				

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

TOTALS 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	STB RMR OD	15.00	FT.
1	D.C. ID 7⅛ OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	X-O Sub	4.70	
1	Sm Sub	10.68	
77	STANDS DP	7343.17 ~~7354~~	FT.
1	SINGLES DP	3.54	FT.
	KELLY ~~DOWN~~	25.	FT.
	TOTAL	8094.75	FT.
	WT. OF STRING	158M.	LBS.

BIT RECORD

BIT NO.	15
SIZE	5 3/4
MFG.	Sec.
TYPE	M89
JETS 1/32"	14/14/14
SER. NO.	341098
DEPTH OUT	8069
DEPTH IN	7730
TOTAL FTG.	339
TOTAL HRS RUN	54
COND. 1/8's T/B/ GAGE	4/8/1
GPM/ PD-PSI	/ /

MUD RECORD

TIME	12:00		
WEIGHT	9.2+		
PRESSURE GRADIENT			
VISC.-SEC.	72		
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	9.4		
pH	10.5		
SOLIDS %	Desilter 1 GPM		
Underflow	13.7	Over Flo	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	600#		
CMC	50#		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
8059	9069	10			40	40	1350	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
9069	½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:45	1¾		DRLG
1:45	3:00	1¼		Circ Sample
3:00	7:00	4		Hoist To Core — Survey + Strap out
7:00	8:00	1		Pick up Core Bbl. & Serv Samp.
				Strap 8098 ll
				Tally 8094.72
				339

DRILLER J. Ryks

MORNING TOUR — 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	12
DRKMAN		D. Kelliher	12
MTRMAN		O. Arsenault	12
FIREMAN			
FLRMAN		P Hofer	12
FLRMAN		D Fox	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
1	STB RMR OD	15.00	FT.
1	D.C. ID 7⅛ OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	X-O Sub	4.70	
1	C-O Sub	1.22	
C	BBL-Jars	63.46	
78	STANDS DP	7333.47	FT.
	SINGLES DP		FT.
	KELLY DOWN	10.40	FT.
	TOTAL	8118.21	FT.
	WT. OF STRING	159M	LBS.

BIT RECORD

BIT NO.	4C
SIZE	6 1/16
MFG.	Smit
TYPE	◇
JET 1/32"	
SER. NO.	0166C
DEPTH OUT	
DEPTH IN	8069
TOTAL FTG.	18
TOTAL HRS RUN	4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME		1:30	3
WEIGHT		9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.		79	74
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.		9.8	
pH		10	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50#		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
8069	8087	18	4		72	14	1150	5½	41			

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
8:00	8:30	½		Lay Smoch Sub + Change Rubber on Stab.
8:30	10:45	2¼		Run in w/ Core Bbl.
10:45	12:00	1¼		Break Circ - Work Bbl. to Btm.
12:00	4:00	4		Cut Core #4
				Checked BOP's without circ hole
				Changed Wt Indicator

DRILLER

DAY TOUR — 12:00 P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
1	STB RMR OD	15.00	FT.
1	D.C. ID 7⅛ OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	X-O Sub	4.70	
1	C-O Sub	1.22	
C	BBL-JARS	63.46	
78	STANDS DP	7333.47	FT.
	SINGLES DP		FT.
	KELLY DOWN	2340	FT.
	TOTAL	8118.21	FT.
	WT. OF STRING	159	LBS.

BIT RECORD

BIT NO.	C4
SIZE	6 1/16
MFG.	Smit
TYPE	◇
JETS 1/32"	
SER. NO.	0166C
DEPTH OUT	
DEPTH IN	8069
TOTAL FTG.	31
TOTAL HRS. RUN	6½
COND. 1/8's T/B/ GAGE	SLIGHTLY
GPM/ PD-PSI	BURNT.

MUD RECORD

TIME	5 PM	6:30	
WEIGHT	9.1	9.2	
PRESSURE GRADIENT			
VISC.-SEC.	76	69	
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.		10.6	
pH		10.5	
SOLIDS %	Desilter		
Underflo		Overflo	

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
8087	8100	13		25'	72	14	1150	5½	41			

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
4:00	6:30	2½		Cut Core #4 8069 - 8100 Rec 25'
6:30	9:30	3		~~Hoist Core~~ Hoist Core.
9:30	11:00	1½		Recover Core Service Bbl & Stand Back Same
11:00	11:15	¼		Slip 52' Drilling Line
11:15	12:00	¾		Run In w/ Bit #6

DRILLER L. Mattson

EVENING TOUR — P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. Mattson	12
DRKMAN		E. Harstad	12
MTRMAN		F. Tomczak	12
FIREMAN			
FLRMAN		B. Dirk	12
FLRMAN		M. Tulman	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL JOY HESS	503	DO DR CANYON	12-29-71
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
M. Patterson		C. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	"	1'

LOCATION

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 12-29-71
WELL NAME & NO. AQUIT, #503
COMPANY PETROLIA
TOOL PUSHER C. H Barker RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7 3/4		
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG	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.			
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			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

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

TOTAL DAILY COST
DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL WELL COST

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID	7 1/8 OD	31.20	FT.
1	STB RMR	7 1/16 OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SUB		10.68	
97	STANDS DP		7249.06	FT.
	SINGLES DP			FT.
	KELLY DOWN		14	FT.
	TOTAL		7969.10	FT.
WT. OF STRING			152 M.	LBS.

BIT RECORD

BIT NO.	15
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JETS 1/32"	14 14 14
SER. NO.	341098
DEPTH OUT	
DEPTH IN	7730
TOTAL FTG.	225
TOTAL HRS. RUN	36 1/2
COND. 1/8's T/B/ GAGE	DRLG
GPM/ PD–PSI	

MUD RECORD

TIME	200	400	600
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.–SEC.	87	86	88
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			10.2
pH	9.5	9.5	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	400#		
CAUS	100#		
CMC	60	SEC	
UNDER FLOW	10.3#		

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 NOS.	LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN
7901	7955	54			44	40	1400	2	5 1/2	56			SURF. PUMP 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
1200	1215	1/4		DRLG.
1215	1230	1/4		RIG SERVICE + – KELLY CORKS OKAY
1230	800	7 1/2		DRLG

DRILLER A. Sharp

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		A. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTEAARS	8
FLRMAN		F ARNDT.	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID	7 1/8 OD	31.20	FT.
1	STB RMR	7 1/16 OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SUB		10.68	
97	STANDS DP		7249.06	FT.
2	SINGLES DP		63.13	FT.
	KELLY DOWN		28	FT.
	TOTAL		8032.23	FT.
WT. OF STRING			152 M	LBS.

BIT RECORD

BIT NO.	15
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JET 1/32"	14 14 14
SER. NO.	341098
DEPTH OUT	
DEPTH IN	7730
TOTAL FTG.	274
TOTAL HRS. RUN	44 1/4
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	8:00	11:00	2:00
WEIGHT	9.3	9.2+	9.2
PRESSURE GRADIENT			
VISC.–SEC.	70	65	65
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	10.8	10.6	10.4
pH	10.5	10.5	10.5
SOLIDS %	Desilter	Flow Line	
	Under Flow 13.7	Over Flow 9.2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2600	Soda Ash	100
CMC	100		
Caustic	150		
Petex	150		

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. 2 LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN
7955	8004	49			40	40	1350	5 1/2	54			SURF. PUMP 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
800	1000	2 1/4		DRLG. Pump @ 36 SPM = 725 PSI.
1015	1030	1/4		RIG SERV. + BOP + MOTOR SHUT OFF: (OK)
1030	400	5 1/2		DRLG

HELD BLOWOUT DRILL

DRILLER C. Barker

DRILLING CREW PAYROLL DATA

DATE 12-29-71
WELL NAME & NO. AQUIT, #503
COMPANY PETROLIA
TOOL PUSHER C. H Barker RIG NO. 7

DAY TOUR — 4:00 A.M. — 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		C. HESEMANN	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		D. FOX	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID	7 1/8 OD	31.20	FT.
1	STB RMR	7 1/16 OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SUB		10.68	
78	STANDS DP		7343.12	FT.
	SINGLES DP			FT.
	KELLY DOWN		38.40	FT.
	TOTAL		8063.18	FT.
WT. OF STRING			153 M	LBS.

BIT RECORD

BIT NO.	15
SIZE	8 3/4
MFG.	SEC.
TYPE	M88
JETS 1/32"	14 V V
SER. NO.	341098
DEPTH OUT	
DEPTH IN	7730
TOTAL FTG.	329
TOTAL HRS. RUN	52 1/4
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	500	730	1000
WEIGHT	9.25	9.2	9.2
PRESSURE GRADIENT			
VISC.–SEC.	69	66	64
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	9.8	9.6	10.8
pH	10.5	10.5	10.5
SOLIDS %	DESILTER		
	UNDER 12.3	OVER 9.2	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	600#		
CMC	50#		

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. 2 LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN
8004	8059	55			40	40	1350	5 1/2	54			SURF. PUMP 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
400	1200	8		DRLG

DRILLER L. Mattson

EVENING TOUR — ____ P.M. — ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMEZAK	8
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		M TULMAN	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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AMERADA	103	DD VA CANYON	12-28-71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
R.E. Robertson		D Baker.	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA-DD	16
2	"	"	"

LOCATION

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 12 - 28 - 71
WELL NAME & NO. AQUIT. 103
COMPANY PETROLIA
TOOL PUSHER D Baker. RIG NO 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	1-3/4	7-3/4	8
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG	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.			
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

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.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 1/4	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.10	
1	S. SUB		10.68	
15	STANDS DP		7031.62	FT.
1	SINGLES DP		31.65	FT.
	KELLY DOWN		5'	FT.
	TOTAL		7893.05	FT.
WT. OF STRING			150 M.	LBS.

BIT RECORD

BIT NO.	15
SIZE	7 3/4
MFG.	SEC.
TYPE	M99
JETS 1/32"	14 14 14
SER. NO.	341098
DEPTH OUT	
DEPTH IN	7730
TOTAL FTG.	120
TOTAL HRS. RUN	20 3/4
COND. 1/8's T/B/ GAGE	DR46
GPM/ PD-PSI	/ /

MUD RECORD

TIME	200	4:00	6:00
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT			
VISC.-SEC.	70	65	68
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.	10.0		
pH	9.0		
SOLIDS %	See Gen 14		
UNDER FLOW W.T.	10.5		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200#		
LIME	50#		
CAUSTIC	50#		
PENTEX	50#		

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 SCHLUM'S PARFLO COMP'TC
7761	7808	47			40	36	1350	5 1/2	54			

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	300	3		DRLG.
300	315	1/4		RIG SERVICE
315	800	4 3/4		DRLG

DRILLER

MORNING TOUR

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		H. SHARP	12
FIREMAN			
FLRMAN		H. OSTGARD	8
FLRMAN		E. AUNOT.	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 1/4	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	S. SUB		10.68	
76	STANDS DP		7155.91	FT.
	SINGLES DP			FT.
	KELLY DOWN		25	FT.
	TOTAL		7875.97	FT.
WT. OF STRING			150	LBS.

BIT RECORD

BIT NO.	15
SIZE	7 3/4
MFG.	SEC.
TYPE	M99
JET 1/32"	14 14 14
SER. NO.	341098
DEPTH OUT	
DEPTH IN	7730
TOTAL FTG.	120
TOTAL HRS. RUN	20 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	8:00	10:00	1:00
WEIGHT	9.4	9.5	9.3
PRESSURE GRADIENT			
VISC.-SEC.	69	65	73
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.		10.8	11.0
pH		10.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1100		
CMC	100		
CAUSTIC	100		
DEXTREX	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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCHLUM'S PARFLO COMP'TC
7808	7850	42			40	37	1350	5 1/2	54			

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
100	345	3/4		DRLG Pump 36 SPM — 725 PSI
345	900	1/4		RIG SERVICE + BOP'S
900	400	7		DRLG.

DRILLER

DAY TOUR

DAY TOUR 1 A.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. TURKS	12
DRKMAN		D KENNHER	12
MTRMAN		C. HESENGUT	12
FIREMAN			
FLRMAN		T. HOFER	8
FLRMAN		D FOX	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 1/4	OD	31.20	FT.
1	STB RMR 7 1/16	OD	796	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.10	
1	S. SUB		10.68	
77	STANDS DP		7155.91	FT.
1	SINGLES DP		31.21	FT.
	KELLY DOWN		6'	FT.
	TOTAL		7909.58	FT.
WT. OF STRING			150	LBS.

BIT RECORD

BIT NO.	15
SIZE	7 3/4
MFG.	SEC.
TYPE	M99
JETS 1/32"	H H H 4
SER. NO.	341098
DEPTH OUT	
DEPTH IN	7730
TOTAL FTG.	171
TOTAL HRS. RUN	28 3/4
COND. 1/8's T/B/ GAGE	DR46
GPM/ PD-PSI	/ /

MUD RECORD

TIME	5:00	7:00	10:00
WEIGHT	9.4	9.4	9.3
PRESSURE GRADIENT			
VISC.-SEC.	68	78	82
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	11.2		11.0
pH	9.0	10.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1700#		
CAUSTIC	150#		
LIGNITE	150#		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCHLUM'S PARFLO COMP'TC
7850	7901	51			44	40	1450	5 1/2	57			

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
400	1200	8		DRLG

DRILLER

EVENING TOUR

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN		B. DIRK	8
FLRMAN		O. HANSEN	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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AMHESS	K03	50 DD CANYON	12-27-71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA CILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
M. Richard		D Baker	

D.P. SIZE	WT./FT.	GRADE	TOOL JOINT	TYPE	CAPACITY	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	"	"

LOCATION

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

DRILLING CREW PAYROLL DATA

DATE 12-27-71
WELL NAME & NO. AQUIT K03
COMPANY PETROLIA
TOOL PUSHER D Baker. RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL			5¼
3	REAMING			2¾
4	CORING	1¼		
5	CONDITION MUD & CIRCULATE			
6	TRIPS	5¼		
7	LUBRICATE RIG			
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.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	STAND PIPE	1/2		
22	RAN IN DERRICK			
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

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR	OD 15.00	FT.
1	D.C. ID 7⅛	OD 31.20	FT.
1	STB RMR 7 11/16	OD 7.96	FT.
21	D.C. ID	OD 609.12	FT.
	STB RMR	OD	FT.
2	XO SUB	4.70	FT.
1	SHK SUB	10.68	FT.
91	STANDS DP	6966.9	FT.
1	SINGLES DP	31.20	FT.
	KELLY DOWN	41.40	FT.
	TOTAL	7718.17	FT.
WT. OF STRING		150M.	LBS.

BIT RECORD

BIT NO.	3C
SIZE	6 11/16
MFG.	SMITH
TYPE	OWV
JETS 1/32"	
SER. NO.	01666
DEPTH OUT	7735
DEPTH IN	7715
TOTAL FTG.	20
TOTAL HRS. RUN	3
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1200		
WEIGHT	9.4		
PRESSURE GRADIENT			
VISC.-SEC.	73		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH	10.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR	OD 15.00	FT.
1	D.C. ID 7⅛	OD 31.20	FT.
1	STB RMR 7 11/16	OD 7.96	FT.
21	D.C. ID	OD 609.12	FT.
	STB RMR	OD	FT.
2	XO SUBS	4.70	FT.
1	SHK SUB	10.68	FT.
91	STANDS DP	6966.9	FT.
1	SINGLES DP	31.20	FT.
	KELLY DOWN	41.40	FT.
	TOTAL	7718.17	FT.
WT. OF STRING		150M.	LBS.

BIT RECORD

BIT NO.	1S
SIZE	7 3/4
MFG.	SEC
TYPE	M88
JET 1/32"	14 14 14
SER. NO.	341095
DEPTH OUT	
DEPTH IN	7710
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME			3PM
WEIGHT			9.2
PRESSURE GRADIENT			
VISC.-SEC.			90
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	/
pH			
SOLIDS: DESILTER FLOW 120 GPM UNDERFLOW 125 OVER 9.3			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
C.M.C.	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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SOL. PARTIAL P COMPLC
7723	7730	7			72	15	1150	5½	41			

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
1700	100	1		CUT CORE NO. 3 7710-7730 Rec 20'
100	512	4¼		HAIST CORE 3RD
512	532	¼		RECOVERED 20' CORE FULL RECOVERY
532	600	½		STAND B. BGL IN DERRICK & SERVICE SAME.
600	700	1		SLIP & CUT DRLG LINE 208'
700	800	1		RAN IN W/ BIT

DRILLER

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 SOL. PARTIAL P COMPLC
7710	7718	8		PIPE TALLY 771947	40	8/12	1350	5½	54			
				11 STRAP 7718.18								
				CORR MADE 1.29								

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
800	1150	3		PUMP @ 76 SPM - 725 PSI.
1150	1215	¼		STRAP IN W/BIT 7.15
1215	115	1		BREAK CIRC. + CLEAN 10' FILL TO TOP RAT HOLE
115	130	¼		REAM RAT HOLE
130	145	¼		REPLACE AIRLINE ON PUMP DRIVE
145	400	2¼		RIG SERV. V BOP'S
				REAM RAT HOLE F/ 7710-7718

DRILLER L Ryks

EVENING TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CON.-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. PARTIAL P COMPLC
7730					40	35	1350	5½	54			
				REAMED 20' RAT HOLE 6 HRS.								

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
450	645	2¾		REAM RAT HOLE 7718 - 7730
645	1200	5¼		DRLG.

DRILLER

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	8
DRKMAN		K. JOHNSTON	8
MTRMAN		H. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		F. ARND.	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		L RYKS	
DRKMAN		D. KELLIHER	
MTRMAN		O. ARSENAULT	
FIRSMAN			
FLRMAN		P. HOFER	
FLRMAN		D. FOX	
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
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

PETROLIA CILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Agwit Mobil Jm Hess	103	00-00 Canyon	12-26-71
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.G. Robertson		D Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	DA 300	16
2	"	"	"

LOCATION

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 DWN			
2	DRILL ACTUAL	13¾		
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			
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		

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.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	X-O Sub		4.80	
1	S. Sub		10.68	
1	F. Sub		2.12.	
75	STANDS DP		6968.01	FT.
1	SINGLES DP		31.20	FT.
	KELLY DOWN UP		5'	FT.
	TOTAL		7719.41	FT.
WT. OF STRING			150M.	LBS.

BIT RECORD

BIT NO.	14
SIZE	8 3/4
MFG.	Sec.
TYPE	M.58
JETS 1/32"	14 14 14
SER. NO.	3L0014
DEPTH OUT	7715
DEPTH IN	7664
TOTAL FTG.	51
TOTAL HRS. RUN	10½
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	9.00	10⁰⁰	
WEIGHT	9.3	9.3	
PRESSURE GRADIENT			
VISC.-SEC.	65	50	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Cel.	700		

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.FL.-P CON.-C
7671	7715	39			40	35	1350	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7664	½°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	400	4		DRLG.
400	415	¼		Rig Service
415	800	3¾		DRLG

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	X-O Sub		4.10	
1	S. Sub		10.68	
1	F. Sub		2.12.	
75	STANDS DP		6968.01	FT.
1	SINGLES DP		31.20	FT.
	KELLY DOWN UP		5'	FT.
	TOTAL		7719.41	FT.
WT. OF STRING			150M.	LBS.

BIT RECORD

BIT NO.	14
SIZE	8 3/4
MFG.	Sec
TYPE	M58
JET 1/32"	14 14 14
SER. NO.	3L0014
DEPTH OUT	7715
DEPTH IN	7664
TOTAL FTG.	51
TOTAL HRS. RUN	10½
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	9.00	10⁰⁰	
WEIGHT	9.3	9.3	
PRESSURE GRADIENT			
VISC.-SEC.	65	50	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Cel.	700		

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 SGL.-S PAR.FL.-P CON.-C
7715	7718	5			40	35	1350	5½	54			

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
800	900	1		DRLG
900	1015	1¼		Circ. Btm. Hole Sample @ 7715
1015	100	2¾		Hoist to Core
100	200	1		Work on Air Controls
200	230	½		Finish Out
230	245	¼		Rig Serv. / Rod + Motor Shut offs OK
245				Lay Knock Sub - Pick up Core Bbl +
	400	1¼		Jars

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
	Jars		7.77	
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 7/8	OD	31.20	FT.
1	STB RMR 7 7/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	X-O Sub		4.70	
Core BBL			50.68	
1	Sub		1.22	
75	STANDS DP		6965.66	FT.
	SINGLES DP			FT.
	KELLY DOWN UP		11	FT.
	TOTAL		7739.72	FT.
WT. OF STRING			141 M	LBS.

BIT RECORD

BIT NO.	3C
SIZE	6 1/16
MFG.	Smit
TYPE	◇
JETS 1/32"	
SER. NO.	0166C
DEPTH OUT	
DEPTH IN	7715
TOTAL FTG.	13
TOTAL HRS. RUN	2
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	11:00		
WEIGHT	9.3		
PRESSURE GRADIENT			
VISC.-SEC.	95		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	11.2-		
pH	9.0		
SOLIDS %	Desilter	Flow 2 GPM	
	under Flow 12 H over Flows 5		

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 SGL.-S PAR.FL.-P CON.-C
7718	7731	13			72	17/15	1150	5½	41			

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
400	445	¾		Run in w/ Drill Collars
445	630	1¾		Work on Air Controls
630	830	2		Run in w/ Core Bbls
830	1000	1½		Break Circ + Work Bbl. to Btm.
1000	1200	2		Cut Core = 3

DRILLER L. Ryks

DRILLING CREW PAYROLL DATA

DATE 12-26-71

WELL NAME & NO. Agwit 103

COMPANY Petrolia

TOOL PUSHER D Barker — RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. Sharp	12
DRKMAN		K. Johnson	12
MTRMAN		A. Sharp	12
FIREMAN			
FLRMAN		H. Ostgaard	12
FLRMAN		E. Arndt	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			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 4⁰⁰ P.M. 12⁰⁰ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	12
DRKMAN		D. Kellner	12
MTRMAN		O. Hasenault	12
FIREMAN			
FLRMAN		P. Hoffe	12
FLRMAN		D. Fox	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Dow & Mobil Am Hess	503	D. A. Panyon	12-25-71
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
Rick Robertson		D. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	DA 500	16
2	"	"	16

LOCATION

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 12-25-71
WELL NAME & NO. Aquitaine - 503
COMPANY Petrolia
TOOL PUSHER D. Barker — RIG NO. 7

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.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 11/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
1	STB RMR OD		FT.
2	X-O Sub	4.70	
15	STANDS DP	6968.21	FT.
—	SINGLES DP	—	FT.
	KELLY DOWN DP	28	FT.
	TOTAL	7688.27	FT.
WT. OF STRING		150M.	LBS.

BIT RECORD

BIT NO.	13
SIZE	8 3/4
MFG.	Reed
TYPE	EHP-5
JETS 1/32"	14-14-14
SER. NO.	689114
DEPTH OUT	7664
DEPTH IN	7471
TOTAL FTG.	193
TOTAL HRS. RUN	25
COND. 1/8's T/B/ GAGE	8 3 I
GPM/ PD--PSI	

MUD RECORD

TIME	1245	200	600
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	58	60	64
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.	12.8		11.4
pH	9.5		11.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	100 #		
Lime	100 #		
Caustic	150 #		
Wetex	150 #		

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 PARL--P COMPLC
7615	7664				40	35	1300	5 1/2	54			

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	115	1 1/4		DRLG
115	130	1/4		Rig Service
130	645	5 1/4		DRLG.
645	800	1 1/4		Circ Btm Hole Sample @ 7664

DRILLER

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. Sharp	12
DRKMAN		D. Johnson	12
MTRMAN		D. Sharp	12
FIREMAN			
FLRMAN		H. Ostegard	12
FLRMAN		E. Arndt	12
FLRMAN			

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.	13
SIZE	8 3/4
MFG.	Reed
TYPE	SCH-5
JET 1/32"	14-14-14
SER. NO.	689114
DEPTH OUT	7664
DEPTH IN	7471
TOTAL FTG.	193
TOTAL HRS. RUN	25
COND. 1/8's T/B/ GAGE	8 3 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.

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 SGL--S PARL--P 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
600	900	1		Dummy Trip 10 stds "No Fill" - Hole Good.
900	1015	1 1/4		Circ. In Core.
1015	300	4 3/4		Survey + Hoist To Core.
300	400	1		Pick up Junk Sub - Clean Same + Change Rubber on Non Rotating Stab.
				Blind Rams Checked When Out of Hole (OK)

DRILLER

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
1	STB RMR OD	15.00	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 11/16 OD	7.96	FT.
21	D.C. ID OD	609.12	FT.
	STB RMR OD		FT.
2	X-O Sub	4.70	
1	Sub Sub	10.68	
1	Jack Sub	2.12	
15	STANDS DP	6968.21	FT.
	SINGLES DP		FT.
	KELLY DOWN	22.01	FT.
	TOTAL	7671.00	FT.
WT. OF STRING		150M	LBS.

BIT RECORD

BIT NO.	14
SIZE	9 3/4
MFG.	Sec.
TYPE	M44
JETS 1/32"	14-14-14
SER. NO.	240014
DEPTH OUT	
DEPTH IN	7664
TOTAL FTG.	7
TOTAL HRS. RUN	1 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	10.00		
WEIGHT	9.3		
PRESSURE GRADIENT			
VISC.-SEC.	70		
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.	7.0		
pH	9.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Soda Ash	120		

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 PARL--P COMPLC
7664	7671	7			40	35	1300	5 1/2	55			

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
400	600	2		Run in to 5150
600	645	3/4		Pick up Kelly + Clean out Bridge
645	730	3/4		Run in to 7520
730				Break Circ at 7530 + Clean 90' to Btm
	1015	2 3/4		- Work Junk Sub on Btm
1015	1200	1 3/4		Drlg

DRILLER L. Ryks

EVENING TOUR — 400 P.M. — 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	12
DRKMAN		D. Kellher	12
MTRMAN		D. Arsenault	12
FIREMAN			
FLRMAN		P. Hoefer	12
FLRMAN		D. Fox	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AMHESS	KO3	DD CANYON	12-24-71
OPERATOR		CONTRACTOR	RIG NO.
		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
R.T. Robertson		D Baker.	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DA500	16
2	"	DA-500	16

LOCATION

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 12-24-71
WELL NAME & NO. AQUIT KO3
COMPANY PETROLIA
TOOL PUSHER D Baker RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	9 3/4	7 3/4	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	2 1/4	1/4	
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	CHESN. LK TO KO3			
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

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	610.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	5 SUB		10.68	
73	STANDS DP		6809.53	FT.
	SINGLES DP			FT.
	KELLY DOWN		✓	FT.
	TOTAL		7499.19	FT.
WT. OF STRING			150M.	LBS.

BIT RECORD

BIT NO.	13
SIZE	8 3/4
MFG.	HEED
TYPE	SCH-5
JETS 1/32"	14-14-14
SER. NO.	689114
DEPTH OUT	
DEPTH IN	7471
TOTAL FTG.	28
TOTAL HRS. RUN	2 3/4
COND. 1/8's T/B/ GAGE	8 8 6. / /
GPM/ PD-PSI	

MUD RECORD

TIME	6.30		
WEIGHT	9.3		
PRESSURE GRADIENT			
VISC.-SEC.	53		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	14.2		
pH	8.5		
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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL-S PART'L-P COMP-C
7471	7499	28			40	35	1500	5 1/2	54			

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	130	1 1/2		RUN IN W/ BIT
130	400	2 1/2		CLEAN BRIDGE FROM 5780' TO 5907
400	445	3/4		FINISH IN
445	515	1/2		BREAK CIRC & CLEAN 30' TO BTM.
515	800	2 3/4		DRLG
				- FUEL W'
				PUMP STROKES 36-700

DRILLER L Short

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.60	FT.
1	D.C. ID 7/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	8 SUB		10.68	
			6779.13	
73	STANDS DP		6832.86	FT.
2	SINGLES DP		63.28	FT.
	KELLY DOWN		33.93	FT.
	TOTAL		7555.00	FT.
WT. OF STRING			150M	LBS.

BIT RECORD

BIT NO.	13
SIZE	8 3/4
MFG.	HEED
TYPE	SCH-5
JET 1/32"	14-14-14
SER. NO.	689114
DEPTH OUT	
DEPTH IN	7471
TOTAL FTG.	84
TOTAL HRS. RUN	10 1/2
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1600		300
WEIGHT	9.3		9.2+
PRESSURE GRADIENT			
VISC.-SEC.	50		61
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			15.4
pH			10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1400		
Peltex	150		
Caustic	150		
C.M.C	100		

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 SCL-S PART'L-P COMP-C
7499	7555	56			40	35	1300	5 1/2	~~54~~			

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
800	815	1/4		DRLG
815	820	1/4		RIG SERVICE ✓ TOP'S
820	400	7 1/2		DRLG
				PUMP STROKES 36-700

DRILLER

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR X A.M. 400 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	609.12	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	5 SUB		10.68	
74	STANDS DP		6893.96	FT.
1	SINGLES DP		31.50	FT.
	KELLY DOWN		31.38	FT.
	TOTAL		7615.00	FT.
WT. OF STRING			150M	LBS.

BIT RECORD

BIT NO.	13
SIZE	8 3/4
MFG.	HEED
TYPE	SCH-5
JETS 1/32"	14-14-14
SER. NO.	689114
DEPTH OUT	
DEPTH IN	7491
TOTAL FTG.	144
TOTAL HRS. RUN	18 1/2
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1600	6:00	10:00
WEIGHT	9.2+	9.2+	9.3
PRESSURE GRADIENT			
VISC.-SEC.	61	56	63
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	15.2	9.8	11.2.
pH	10.5	8.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3000		
Peltex	150		
Caustic	50		
C.M.C	100		

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 SCL-S PART'L-P COMP-C
7555	7615	60			40	35	1300	5 1/2	54			

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
400	1200	8		DRLG.
				PUMP STROKES 36-700
				HELD BLOWOUT DRILL

DRILLER L. Ryks

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 400 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	12
DRKMAN		D. KELLIHER	12
MTRMAN		O. ARSENIAULT	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		D. FOX	12
FLRMAN			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Adult Mobile Am+Less	TD3	PoPo Canyon	12-23-71
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg	1
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
R.A. Robertson		D. Barker.	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D-500	16
2	11	DA-500	16

LOCATION

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 12-23-71
WELL NAME & NO. PoPo Canyon #3
COMPANY Petrolia
TOOL PUSHER D. Barker. RIG NO. 4

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7 1/4		
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
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.			
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.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	X-O SUB		4.70	
1	S-SUB		10.68	
70	STANDS DP		6588.75	FT.
1	SINGLES DP		31.21	FT.
	KELLY DOWN		✓	FT.
	TOTAL		7443.17	FT.

WT. OF STRING 164 LBS.

BIT RECORD

BIT NO.	12
SIZE	9 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 – –
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	817
TOTAL HRS. RUN	68 1/2
COND. 1/8"s T/B/ GAGE	DRLG / /
GPM/ PD–PSI	/ /

MUD RECORD

TIME	100	300	600	
WEIGHT	9.3	9.2+	9.2	
PRESSURE GRADIENT				
VISC.–SEC.	58	65	63	
PV/YP	/	/	/	
GELS.	/	/	/	
WL –CC'S.	13.4			
pH	8.5	8.5	8.5	
SOLIDS %	19. SEC VEE Cal			
	UNDER ELEVATE. 10.5			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1100#		
Cmc	100#		
Caustic	100#		
Penetex	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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'L–P COMP'D–C
7323	7443	120			64	40	1400	5 1/2	59			

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
1200	115	1 1/4		DRLG
115	130	1/4		Rig Service + Tops
130	700	6 1/2		DRLG

Corrected Blocks

DRILLER D. Barker

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		D. Barker	12
DRKMAN		L. Johnson	12
MTRMAN		D. Sharp	12
FIREMAN			
FLRMAN		H. Gerard	12
FLRMAN		R. Arndt	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
1	X-O SUB		4.70	
1	S. SUB		10.68	
70	STANDS DP		6588.75	FT.
2	SINGLES DP		62.81	FT.
	KELLY DOWN		3'	FT.
	TOTAL		7474.71	FT.

WT. OF STRING 166 M. LBS.

BIT RECORD

BIT NO.	12
SIZE	9 3/4
MFG.	SEC
TYPE	S88
JET 1/32"	13 – –
SER. NO.	335325
DEPTH OUT	7471
DEPTH IN	6626
TOTAL FTG.	845
TOTAL HRS. RUN	70 1/2
COND. 1/8"s T/B/ GAGE	8 5 /
GPM/ PD–PSI	

MUD RECORD

TIME	800			
WEIGHT	9.2			
PRESSURE GRADIENT				
VISC.–SEC.	60			
PV/YP	/	/	/	
GELS.	/	/	/	
WL –CC'S.	14.6			
pH	9.5			
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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'L–P COMP'D–C
7443												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7471	1/2										

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
700	815	1 1/4		Rig Service
815	1015	2		DRLG
1015	1130	1 1/4		Circ Btm Hole Sample
1130	1400	4 1/2		Survey + Strap out F/B's
1400	1400			Pick Drill Collars Pipe Tally. 7474.71
				Strap Tally 7473.55
				Correction mark Bit 1.22

DRILLER

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			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
1	STB RMR	OD	15.00	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
21	D.C. ID	OD	610.12	FT.
	STB RMR	OD		FT.
2	X-O SUB		4.70	
1	S-SUB		10.68	
71	STANDS DP		6683.70	FT.
2	SINGLES DP		62.81	FT.
	KELLY DOWN		41.40	FT.
	TOTAL		7467.57	FT.

WT. OF STRING 166 M LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
PV/YP	/ / /
GELS.	/ / /
WL –CC'S.	
pH	
SOLIDS %	
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 SGL–S PAR'L–P COMP'D–C
7471												

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
400	820	4 1/2		Hoist & Check Drill Collars
				Lay 5 D.C.'s Mon Rot Sub + Pup Collar
820	945	1 1/2		Run in w/ DC's + Pick up 2 D.C.s
945	1015	1/2		Slip + Cut Drill Line
1015	1100	3/4		Run in w/ Bit
1100	1200	1		Work on Air Control

DRILLER L. Ryks

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	12
DRKMAN		P. Kelliher	12
MTRMAN		D. Arseneault	12
FIREMAN			
FLRMAN		P. Hoker	12
FLRMAN		D. Fox	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DO DO CANYON	12-22-71

OPERATOR	CONTRACTOR	RIG NO.
AQUITAINE of CANADA	PETROLIA OILWELL DRLG.	7

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Q Baker.

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	"	DA300	16

LOCATION

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 12-22-71

WELL NAME & NO. DO DO CANYON K03

COMPANY PETROLIA DRILLING

TOOL PUSHER Q. Baker. RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP-AND TEAR DOWN			
2	DRILL ACTUAL	7 1/4	3 1/4	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS		3/4	
7	LUBRICATE RIG			
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.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	P/C Sec from Hole	1/2		
22				
23				
COMPLETION	A. PERF'R'TN			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		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	

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	OD 7 1/8	31.20	FT.
1	STB RMR	OD 7 1/16	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SHK SUB		10.68	
67	STANDS DP			FT.
1	SINGLES	DP	337.36	FT.
	KELLY DOWN		32.40	FT.
	TOTAL		7160.57	FT.
WT. OF STRING			160M	LBS.

BIT RECORD

BIT NO.	12
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 14
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	525
TOTAL HRS. RUN	47
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	2 AM	5:30	7:00
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	58	55	55
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.		14.1	
pH		10.5	
SOLIDS %	DESILTER UNDER FLO 9.6		
	GAL PER MIN 4 GAL		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CMC	50#		
CAUSTIC	50#		

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	OD	31.20	FT.
1	STB RMR	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SHK SUB		10.68	
68	STANDS DP		6400.37	FT.
—	SINGLES	DP	—	FT.
	KELLY DOWN		✓	FT.
	TOTAL		7223.38	FT.
WT. OF STRING			162 M.	LBS.

BIT RECORD

BIT NO.	12
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JET 1/32"	13 13 14
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	597
TOTAL HRS. RUN	52 3/4
COND. 1/8's T/B/ GAGE	DRLG
GPM/ PD-PSI	/ /

MUD RECORD

TIME	10 AM	12:00	2:00
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.	47	49	54
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.		14.8	15 SEC
pH		8.5	9.0 GAL
SOLIDS %	[illegible]		
	UNDER FLOW - WT - 10.5		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4400#		

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 SCHL.-S PART.-P COM.-C
7066	7151	85			60	35	1300	5 1/2	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7129	1 1/2°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	5:15	5 1/4		DRILL.
5:15	6:00	3/4		SURVEY
6:00	8:00	2		DRILL

PUMP STROKES:
36 - 650
40 - 775
50 - 1150

DRILLER L. Matteson

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 SCHL.-S PART.-P COM.-C
7151	7223	72			64	40	1400	5 1/2	54			

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
5:00	10:30	2 1/2		DRLG
10:30	11:15	3/4		RUNNING TRIP 10 STDS
11:15	12:15	1		DRLG.
12:15	1:45	1 1/2		CIRC 3 TIM HOLE SAMPLES @ 7197'
1:45	4:00	2 1/4		DRLG.

PUMP STROKES
36 - 650
40 - 775
50 - 1150

Hard Brown Sdst

DRILLER [illegible]

MORNING TOUR — _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTESON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P HOFER	8
FLRMAN		B. DIRK	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		[illegible] SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	5
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		F. HUNT	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	OD 7 1/8	31.20	FT.
1	STB RMR	OD 7 1/16	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB.		4.70	
1	SHK SUB		10.68	
69	STANDS DP		6494.77	FT.
1	SINGLES	DP	31.52	FT.
	KELLY DOWN		1490	FT.
	TOTAL		7323.00	FT.
WT. OF STRING			162000	LBS.

BIT RECORD

BIT NO.	12
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	697
TOTAL HRS. RUN	60 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	5:00	8:00	11:00
WEIGHT	9.27	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	58	63	58
PV/YP	/	/	21 / 13
GELS.	/	/	/
WL.-CC'S.	17.4	14.8	13.4
pH	8.5	8.0 Flow Line 8.0 Pit	
SOLIDS %	Desilter underFlow 9.7		
	over Flow 9.2		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2300	lbs	
CMC.	100		
1" stream water			

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 SCHL.-S PART.-P COM.-C
7223	7323	100			60	40	1300	5 1/2	56			

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
4:00	12:00	8		DRLG.

PUMP STROKES
36 - 650
40 - 775
50 - 1175

DRILLER L. Ryks

EVENING TOUR — 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. HRSEANUD	8
FIREMAN			
FLRMAN		P. HOFFER	8
FLRMAN		D. FOX	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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM HEISS	K-03	DO DO CANYON	12-21-71
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE OF CANADA.		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
E. Lehnert		D Barker	

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	"	DA-500	16

LOCATION

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 12-21-71

WELL NAME & NO. DO DO CANYON K-03

COMPANY PETROLIA DRLG.

TOOL PUSHER D Barker RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			7¼
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			¾A
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

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	7 1/16 OD	31.20	FT.
1	STB RMR	7 1/16 OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB.		4.70	
1	SH. SUB		10.58	
65	STANDS DP		618.14	FT.
	SINGLES DP			FT.
	KELLY DOWN		13.40	FT.
	TOTAL		6941.35	FT.
WT. OF STRING			158	LBS.

BIT RECORD

BIT NO.	12
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	287
TOTAL HRS. RUN	25½
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

	1AM	4TO	7TH AM
TIME			
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.–SEC.	58	55	45
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	14.8		15.4
pH	10.0	10.5	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	100#		
C.M.C.	50#		
1" STREAM WATER			

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 PART–P COMP–C
6816	6913	97			60	35	1300	5½	54			

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
12.00	8.00	8		DRLG.

PUMP STROKES.
36 - 650
40 - 775
50 - 1175

HELD BLOWOUT DRILL.

DRILLER K Matteson

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	7 1/8 OD	31.20	FT.
1	STB RMR	7 1/16 OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	S. SUB		10.68	
65	STANDS DP		5118.14	FT.
2	SINGLES DP		63.14	FT.
	KELLY DOWN		14	FT.
	TOTAL		7004.49	FT.
WT. OF STRING			158M.	LBS.

BIT RECORD

BIT NO.	12
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JET 1/32"	13 13 13
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	364
TOTAL HRS. RUN	32½
COND. 1/8's T/B/ GAGE	DRLG
GPM/ PD–PSI	/ /

MUD RECORD

	800.	1200	300
TIME			
WEIGHT	9.2	9.2+	9.3
PRESSURE GRADIENT			
VISC.–SEC.	45	50	65
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	7700		
CMC	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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PART–P COMP–C
6913	6990	77			67	40	1400	5½	60			

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
800	1000	2		DRLG
1000	1015	¼		RIG SERVICE – Reps
1015	115	3		DRLG
115	200	3/4		REPAIR AIR LINE ON No 1 PUMP DRIVE
200	400	2		DRLG.

PUMP STROKES
36 - 650
40 - 775
50 - 1175

HELD BLOWOUT DRLG

DRILLER K Matteson

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		F. ARNDT	8
FLRMAN			

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	7 1/8 OD	31.20	FT.
1	STB RMR	7 1/16 OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SH. SUB		10.68	
66	STANDS DP		6212.92	FT.
1	SINGLES DP		30.71	FT.
	KELLY DOWN		41.40	FT.
	TOTAL		7106.84	FT.
WT. OF STRING			158,000	LBS.

BIT RECORD

BIT NO.	12
SIZE	8¾
MFG.	SEC.
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	440
TOTAL HRS. RUN	29¾
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

	5:00	8:00	11:00
TIME			
WEIGHT	9.3	9.2+	9.2
PRESSURE GRADIENT			
VISC.–SEC.	66	60	56
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	13.4		13.2
pH	9.5		10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1500		
C.M.C.	50		
1" Stream Water.			

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 PART–P COMP–C
6990	7066	76			60	35	1300	5½	54			

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
400	630	2½		DRLG.
630	715	¾		WORK ON COMPOUND + AIR COMP. REINFORCE STD.
715	1200	4¾		DRLG.

PUMP STROKES 36-650
40-775
50-1175

HELD BLOWOUT DRILL

DRILLER K Reeb

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		D Fox	8
FLRMAN		H. OSTGAARD	4
FLRMAN		P. HOFER	4

FORM 3T5 APPROVED APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DO DO CANYON	12-20-71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE of CANADA.		PETROLIA DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. Leblanc		Len Campbell	

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	"	DA500	16

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9⅝	Mann	36 53	27	1009	17	1008

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 12-20-71

WELL NAME & NO. DO DO CANYON K03

COMPANY PETROLIA DRLG.

TOOL PUSHER Len Campbell RIG NO. 7

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			
6.	TRIPS	5¾		
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		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.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7⅛	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SHSUB		10.58	
62	STANDS DP		5835.38	FT.
	SINGLES DP			FT.
	KELLY DOWN		29.40	FT.
	TOTAL		6658.59	FT.
WT. OF STRING			155M.	LBS.

BIT RECORD

BIT NO.	12
SIZE	8¾
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	20
TOTAL HRS. RUN	2¼
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			7AM
WEIGHT			9.2
PRESSURE GRADIENT			
VISC.-SEC.			66
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			9.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50 #		
PELTEX	50 #		

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PART.-P COM.-C
6626	6646	20			60	23/35	1200	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6626	2°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	545	5¾		TRIP F/ BIT
545	800	2¼		DRLG.

DRILLER L. Mattson

MORNING TOUR

P.M. ____ A.M. ____

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HAAGSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7⅛	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUB		4.70	
1	SH SUB		10.58	
63	STANDS DP		5929.87	FT.
—	SINGLES DP		—	FT.
	KELLY DOWN		14	FT.
	TOTAL		6753.08	FT.
WT. OF STRING			154	LBS.

BIT RECORD

BIT NO.	12
SIZE	8¾
MFG.	SEC
TYPE	S88
JET 1/32"	13 — —
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	114
TOTAL HRS. RUN	9¾
COND. 1/8" T/B/ GAGE	DRLG
GPM/ PD-PSI	

MUD RECORD

TIME	600	1200	300
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.	50	42	40
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	15.4		
pH	9.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	800 #		

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 SCL.-S PART.-P COM.-C
6646	6740	96			60	40	1250	5½	54			

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
900	930	½		DRLG
930	900	½		RIG SERVICE & ✓ BOP'S HELD BLOWOUT DRLG
900	400	7		DRLG

Pump Strokes
3½-650 40-775 50-1175

DRILLER L. Mattson

DAY TOUR

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		E. ARNDT	8
FLRMAN			

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7⅛	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO Subs.		4.70	
1	SH Sub.		10.68	
63	STANDS DP		5929.87	FT.
2	SINGLES DP		62.98	FT.
	KELLY DOWN		41.40	FT.
	TOTAL		6816.06	FT.
WT. OF STRING			156 000	LBS.

BIT RECORD

BIT NO.	12
SIZE	8¾
MFG.	~~SEC~~ Sec.
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335325
DEPTH OUT	
DEPTH IN	6626
TOTAL FTG.	190
TOTAL HRS. RUN	17¼
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	~~600~~	8:00	11:00
WEIGHT	~~9.2~~	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	~~55~~	58	56
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	12.6	13.0	13.6
pH	10.5	10.5	10.5
SOLIDS %		1st Sample Wt. for.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gell	600		
C.M.C.	50.		

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 SCL.-S PART.-P COM.-C
6740	6816	76			60	23/35	1300	5½	56			

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
400	515	1¼		DRLG.
515	530	¼		RIG SERV.
530	1200	6½		DRLG.

Pump @ 26- 650
40- 775
50- ~~1175~~ 1175

DRILLER L. Ryks

EVENING TOUR

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR 400 P.M. 1200 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		D. FOX	8
FLRMAN			
FLRMAN			

FORM 3T5 APPROVED APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DODO CANYON	12-19-71
OPERATOR	CONTRACTOR		RIG NO.
AQUITAINE of CANADA	PETROLIA OILWELL DRLG.		7
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
E. Schaack	Ken Campbell		

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	"	DA-500	16

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.		NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8	Chez + Mann	36	J55	27	1009	17	1008

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 12-19-71

WELL NAME & NO. AQUIT. DODO CANYON K03

COMPANY PETROLIA DRLG

TOOL PUSHER Lan Campbell RIG NO. 7

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		P HOFER	12
FLRMAN		B. DIRK	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			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		A. SHARP	12
FIREMAN			
FLRMAN		H. OSTGAARD	12
FLRMAN		E. ARNDT	12
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	6 1/4		
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE	1 1/2		
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG	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.			
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		

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

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.					
	BIT			FT.	
3	STB RMR	OD	32	FT.	
1	D.C. ID 7 1/8	OD	31	0 FT.	
1	STB RMR 7 1/16	OD	31	6 FT.	
24	D.C. ID	OD	695.	4 FT.	
	STB RMR	OD		FT.	
2	X.O. SUB		4.7	0	
1	SH SUB		10.2	8	
60	STANDS DP		5618.	13 FT.	
	SINGLES	DP		FT.	
	KELLY DOWN		15.	40 FT.	
	TOTAL		6471.	31 FT.	
WT. OF STRING			146	LBS.	

BIT RECORD

BIT NO.	1 RR
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	6327
TOTAL FTG.	118
TOTAL HRS. RUN	12 1/4
COND. 1/8's T/B GAGE	
GPM/ PD-PSI	

MUD RECORD

	1 PM	2 30	7 30
TIME			
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	51	53	
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.		11.7	19.5
pH	9.5	10.0	11
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SODA ASH	1400 #		
CAUSTIC	350 #		
CMC	50 #		
DELTEX	1000 #		

FOOTAGE

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. DRL. PARTIAL COMPLTD. COMPLTD
6387	6445	58			60	40	1300	5 1/2	52			

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
12 00	1 00	1		CIRC & CONDITION MUD. Pump Strokes:
1 00	3 30	2 1/2		DRLG. 36 - 650
3 30	4 00	1/2		CIRC & CONDITION MUD. 40 - 825
4 00	5 00	1		DRLG. 50 - 1200
5 00	5 15	1/4		WORK ON MUD LINE.
5 15	8 00	2 3/4		DRLG.

DRILLER G. Mattson

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.					
	BIT			FT.	
3	STB RMR	OD	32	3 FT.	
1	D.C. ID 7 1/8	OD	31	2 0 FT.	
1	STB RMR 7 1/16	OD	31	6 FT.	
24	D.C. ID	OD	695.1	FT.	
	STB RMR	OD		FT.	
2	X.O. SUB		4.7	0	
1	SH SUB		10.2	8	
60	STANDS DP		6318.	13 FT.	
2	SINGLES	DP	63.	2 FT.	
	KELLY DOWN			FT.	
	TOTAL		6533.	FT.	
WT. OF STRING			142.	LBS.	

BIT RECORD

BIT NO.	1 RR.
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	6327
TOTAL FTG.	207
TOTAL HRS. RUN	20
COND. 1/8's T/B GAGE	1 1 16
GPM/ PD-PSI	

MUD RECORD

	9 00	12 00	2 00
TIME			
WEIGHT	9.2	9.2	9.1
PRESSURE GRADIENT		/	
VISC.-SEC.		48	37
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.	19.5	15	
pH	11	9	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	900		
CMC	100		
GEL	1700		
CAUST.	150 #		

FOOTAGE

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. DRL. PARTIAL COMPLTD. COMPLTD
6445	6534	89										

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
8 00	8 15	1/4		RIG SERVICE & CHECK BOP. Pump Strokes
8 15	4 00	7 3/4		DRLG. 36-650
				40-800
				50-1200

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.					
	BIT			FT.	
3	STB RMR	OD	30 1/2	7 FT.	
1	D.C. ID 7 1/8	OD	31.2	0 FT.	
1	STB RMR 7 1/16	OD	7.5	6 FT.	
24	D.C. ID	OD	695.1	2 FT.	
	STB RMR	OD		FT.	
2	X.O. SUB		4.7	0	
1	S SUB		10.6	8	
6	STANDS DP		379.4	4 FT.	
2	SINGLES	DP	62.2	4 FT.	
	KELLY DOWN			FT.	
	TOTAL		667.	50 FT.	
WT. OF STRING			144.	LBS.	

BIT RECORD

BIT NO.	1 RR
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	6626
DEPTH IN	6327
TOTAL FTG.	299
TOTAL HRS. RUN	2 3/4
COND. 1/8's T/B GAGE	8 8 16
GPM/ PD-PSI	

MUD RECORD

	4 00	6 00	9 30
TIME			
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.	50	57	50
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.	13.2	13.2	
pH	9.6	8.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2380		
CAUSTIC	260		

FOOTAGE

FROM	TO	DR. RM. CORE.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL. DRL. PARTIAL COMPLTD. COMPLTD
6534	6626	92			60	40	1260	5 1/2	54			

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
4 00	6 00	2		DRLG Pump Strokes
6 00	6 15	1/4		RIG SERVICE 36 - 650
6 15	11 00	4 3/4		DRLG 40 - 800
11 00	12 00	1		SURVEY & HOIST F/BIT 50 - 1050
				HELD BLOW DRLG

DRILLER

FORM 3T5 — APPROVED — APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBILE AM HESS	K03	DODO CANYON	12-19-71
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE OF CANADA.		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
C. Sebrak		Lon Campbell	

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	"	DA-500	16

LOCATION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8	Chart-Mann	36	J55	27	1009	17	1008

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 12-19-71
WELL NAME & NO. AQUIT. DODO CANYON K03
COMPANY PETROLIA DRLG
TOOL PUSHER Lon Campbell RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	6¼		
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE	1½		
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG	~~¼~~		
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		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.
3	STB RMR	OD 32.13	FT.
1	D.C. ID 7½	OD 31.20	FT.
1	STB RMR 7 11/16	OD 7.96	FT.
24	D.C. ID	OD 695.14	FT.
	STB RMR	OD	FT.
2	XO SUB.	4.70	
1	SH SUB	10.58	
60	STANDS DP	5648.13	FT.
	SINGLES DP		FT.
	KELLY DOWN	15.40	FT.
	TOTAL	4471.34	FT.
WT. OF STRING		142	LBS.

BIT RECORD

	1	2	3
BIT NO.	11RR		
SIZE	8¾		
MFG.	SEC		
TYPE	S88		
JETS 1/32"	12 13 13		
SER. NO.	335119		
DEPTH OUT			
DEPTH IN	6327		
TOTAL FTG.	118		
TOTAL HRS. RUN	12¼		
COND. 1/8's T/B/ GAGE			
GPM/ PD--PSI	/	/	/

MUD RECORD

	1	2	3
TIME	1⁰⁰	2³⁰	7³⁰
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	51	53	
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.		11.7	19.5
pH	9.5	10.0	11
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SODA ASH	1400 #		
CAUSTIC	350 #		
CMC	50 #		
DELTEX	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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN XCL-S PARTL-P COMPL-C
6387	6445	58			60	40	1300	5½	52			

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	1⁰⁰	1		CIRC & CONDITION MUD. Pump Strokes:
1⁰⁰	3³⁰	2½		DRLG. 36 - 650
3³⁰	4⁰⁰	1/2		CIRC & CONDITION MUD. 40 - 825
4⁰⁰	5⁰⁰	1		DRLG. 50 - 1200
5⁰⁰	5¹⁵	¼		WORK ON MUD LINE.
5¹⁵	8⁰⁰	2¾		DRLG.

DRILLER G. Mattson

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		E. TOMCZAK	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		B. DIRK	12
FLRMAN			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR	OD 32.13	FT.
1	D.C. ID 7½	OD 21.20	FT.
1	STB RMR 7 11/16	OD 7.96	FT.
24	D.C. ID	OD 695.14	FT.
	STB RMR	OD	FT.
2	XO SUB	4.70	
1	SH SUB	10.58	
60	STANDS DP	5648.13	FT.
2	SINGLES DP	63.20	FT.
	KELLY DOWN	—	FT.
	TOTAL	6534	FT.
WT. OF STRING		142	LBS.

BIT RECORD

	1	2	3
BIT NO.	11RR		
SIZE	8¾		
MFG.	SEC		
TYPE	S88		
JET 1/32"	13 13 13		
SER. NO.	335119		
DEPTH OUT			
DEPTH IN	6327		
TOTAL FTG.	207		
TOTAL HRS. RUN	20		
COND. 1/8's T/B/ GAGE	2246		
GPM/ PD--PSI	/	/	/

MUD RECORD

	1	2	3
TIME	9⁰⁰	12⁰⁰	200
WEIGHT	9.2	9.2	9.1
PRESSURE GRADIENT		/	
VISC.-SEC.		48	39
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.	19.5	15	
pH	11	9	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DELTEX	900		
CMC	100		
GEL	1700		
CAUSTIC	150 #		

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 XCL-S PARTL-P COMPL-C
6445	6534	89										

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
8⁰⁰	8¹⁵	¼		Rig Service & Check BOP. Pump Strokes
8¹⁵	4⁰⁰	7¾		DRLG. 36-650
				40-800
				50-1200

DRILLER

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			
FLRMAN			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR	OD 32.13	FT.
1	D.C. ID 7 7/8	OD 31.20	FT.
1	STB RMR 7 11/16	OD 7.96	FT.
24	D.C. ID	OD 695.14	FT.
	STB RMR	OD	FT.
2	XO SUB	4.70	
1	SUB	10.58	
61	STANDS DP	5741.5	FT.
2	SINGLES DP	62.24	FT.
	KELLY DOWN	—	FT.
	TOTAL	6627.6	FT.
WT. OF STRING		144	LBS.

BIT RECORD

	1	2	3
BIT NO.	11RR		
SIZE	8¾		
MFG.	SEC		
TYPE	S88		
JETS 1/32"	12 — —		
SER. NO.	335119		
DEPTH OUT	6626		
DEPTH IN	6327		
TOTAL FTG.	299		
TOTAL HRS. RUN	26¾		
COND. 1/8's T/B/ GAGE	58 in		
GPM/ PD--PSI	/	/	/

MUD RECORD

	1	2	3
TIME	400	600	930
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.	50	57	50
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.	13.2	13.2	
pH	9.6	8.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2300		
CAUSTIC	260		

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 XCL-S PARTL-P COMPL-C
6534	6626	92			60	40	1200	5½	54			

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
400	600	2		DRLG Pump Strokes
600	615	¼		Rig Service 36-650
615	1100	4¾		DRLG 40-800
1100	1200	1		Survey & Hoist & Rig 50-1050
FUEL				HELD BLOW DRLG

DRILLER

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		A. SHARP	12
FIREMAN			
FLRMAN		H. OSTGAARD	12
FLRMAN		E. ARNDT	12
FLRMAN			

Form 375 — APPROVED — APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBILE AM HESS	K03	DO DO CANYON	12-18-71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE of CANADA.		PETROLIA DRILLING	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. Lobas		Len Campbell	

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	"	DA-500	16

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8	CHECO-MWA.	36	55	27	1609	17'	1608

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 12-18-71

WELL NAME & NO. DO DO CANYON K03

COMPANY PETROLIA DRLG.

TOOL PUSHER Len Campbell RIG NO. 7

MORNING TOUR — P.M. — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMEZAK	12
FIREMAN			
FLRMAN		P HOFER	12
FLRMAN		B. DIRK	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			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	12
DRKMAN		K. JOHNSON	12
MTRMAN		A. SHARP	12
FIREMAN			
FLRMAN		H. OSTGAARD	12
FLRMAN		EL ARNDT	12
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			
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. 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) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	2C
			SIZE	6 1/16
3	STB RMR OD	32.13 FT.	MFG.	SMIT.
1	D.C. ID 7 1/8 OD	31.20 FT.	TYPE	O
1	STB RMR 7 1/16 OD	7.96 FT.	JETS 1/32"	
24	D.C. ID OD	695.14 FT.	SER. NO.	0166C
	STB RMR OD	FT.	DEPTH OUT	
3	KO SUBS	5.95	DEPTH IN	6312
1	SH SUB	10.58	TOTAL FTG.	12
1	CORE ST.	63.46	TOTAL HRS. RUN	2 1/2
58	STANDS DP	3459.99 FT.	COND. 1/8's T/B/ GAGE	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /
	KELLY DOWN	19.40 FT.		
	TOTAL	6347.91 FT.		
WT. OF STRING		142 LBS.		

MUD RECORD				
TIME	4AM	6:00		
WEIGHT	9.2	9.2		
PRESSURE GRADIENT				
VISC.-SEC	46	45		
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S		11.4		
pH		9.0		
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL			
CAUSTIC			

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	11RR
			SIZE	8 3/4
3	STB RMR OD	32.13 FT.	MFG.	SEC
1	D.C. ID 7 1/8 OD	31.20 FT.	TYPE	S88
1	STB RMR 7 1/16 OD	7.96 FT.	JET 1/32"	13 13 13
24	D.C. ID OD	695.14 FT.	SER. NO.	335119
	STB RMR OD	FT.	DEPTH OUT	
2	XO SUB	4.70	DEPTH IN	6312
1	S. SUB	10.68	TOTAL FTG.	1' REAMED
			TOTAL HRS. RUN	1/2
58	STANDS DP	3459.99 FT.	COND. 1/8's T/B/ GAGE	/ / /
1	SINGLES DP	31.60 FT.	GPM/ PD-PSI	
	KELLY DOWN	✓ FT.		
	TOTAL	6313.65 FT.		
WT. OF STRING		142 M. LBS.		

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 RECORD	
	BIT	FT.	BIT NO.	11 RR
			SIZE	8 3/4
3	STB RMR OD	32.13 FT.	MFG.	SEC
1	D.C. ID 7 1/8 OD	31.20 FT.	TYPE	S88
1	STB RMR 7 1/16 OD	7.96 FT.	JETS 1/32"	13 13 13
24	D.C. ID OD	695.14 FT.	SER. NO.	335119
	STB RMR OD	FT.	DEPTH OUT	
2	XO SUB	4.70	DEPTH IN	6372
1	S. SUB	10.68	TOTAL FTG.	60
			TOTAL HRS. RUN	6
59	STANDS DP	3553.62 FT.	COND. 1/8's T/B/ GAGE	RUN / /
1	SINGLES DP	31.58 FT.	GPM/ PD-PSI	
	KELLY DOWN	FT.		
	TOTAL	6408.41 FT.		
WT. OF STRING		142 M. LBS.		

MUD RECORD				
TIME	7AM	9:00	10:10	
WEIGHT	9.2	9.2	9.2	
PRESSURE GRADIENT				
VISC.-SEC	40	45	64	
PV/YP	16/8	/	16/8	
GELS.				
WL -CC'S	10.2		13-2	
pH	9.5		9.5	
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	15		
GEL	700		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COMP-C
6312	6325	12	2		75	8	800	5½	35			

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
12:00	12:45	3/4		FINISH IN W/ CORE BBL.
12:45	5:30	4 3/4		BREAK CIRC & CLEAN 60' TO BTM.
5:30	8:00	2 1/2		CUT CORE # 2
				Run # 2 on jams

DRILLER G. Mattson

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 SGL-S PARL-P COMP-C
6325	6327	2			75	10	800	5½	35			
6312	6313	1										

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
8:00	8:15	1/4		CUT CORE # 2
8:15	12:00	3 3/4		HOIST CORE, RECOVER & LAY B.Z.L.S.
12:00	2:15	2 1/4		LAY JARS, RUN IN W/ BIT
2:15	2:30	1/4		BREAK CIRC 3 STDS OFF BTM, CIRC
2:30	2:45	1/4		FINISH IN
2:45	3:30	3/4		CO FOR 45' TO BTM
3:30	4:00	1/2		REAM RAT HOLE

DRILLER

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 PARL-P COMP-C
6313	6327	14		REAMED	62	10	1250	5½	54			
6327	6387	60				40						

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
4:00	5:30	1 1/2		REAM RAT HOLE.
5:30	11:30	6		DRLG
11:30	12:00	1/2		CIRC & COND MUD.

PUMP STROKES
36 - 650
40 - 775
50 - 1150

FUEL 4' Fuel Brought to Drlg

DRILLER

Form 3T5 APPROVED APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE: AQUITAINE MOBILE AM HESS — WELL NO.: K23
OPERATOR: AQUITAINE OF CANADA
SIGNATURE OF OPERATOR'S REPRESENTATIVE: E-

API WELL NUMBER: DO DO CANYON — DATE: 12-17-71
CONTRACTOR: PETROLIA OILWELL DRLG. — RIG NO.: 7
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	"	DA500	16

LOCATION

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 12-17-71
WELL NAME & NO. AQUITAINE K23
COMPANY PETROLIA DRLG.
TOOL PUSHER — RIG NO. 7

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		7¼	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		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			
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

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	32.13	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 11/16 OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO SUB.	4.70	
1	5¼ SUB	10.58	
57	STANDS DP	5395.79	FT.
1	SINGLES DP		FT.
	KELLY DOWN	20.40	FT.
	TOTAL	6219.00	FT.
WT. OF STRING		148	LBS.

BIT RECORD

BIT NO.	10RR	
SIZE	8¾	
MFG.	SEC.	
TYPE	S88	
JETS 1/32"	B V V	
SER. NO.	335119	
DEPTH OUT		
DEPTH IN	5857	5650
TOTAL FTG.	310	547
TOTAL HRS. RUN	22¾	39
COND. 1/8's T/B/ GAGE		
GPM/ PD–PSI	/	/

MUD RECORD

TIME	2:00	4:30	7:30
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.–SEC.	52	51	52
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	13.2		
pH	8.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500#		
BENEX	1SAC		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	32.13	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 11/16 OD	7.91	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO SUB.	4.70	
1	5¼ SUB	10.58	
58	STANDS DP	5458.84	FT.
1	SINGLES DP	31.60	FT.
	KELLY DOWN	15	FT.
	TOTAL	6313	FT.
WT. OF STRING		148M	LBS.

BIT RECORD

BIT NO.	10RR	
SIZE	8¾	
MFG.	SEC	
TYPE	S88	
JETS 1/32"	13 C	
SER. NO.	335119	
DEPTH OUT		
DEPTH IN	5859	5650
TOTAL FTG.	617	
TOTAL HRS. RUN	44¼	
COND. 1/8's T/B/ GAGE	RUN	
GPM/ PD–PSI	/	/

MUD RECORD

TIME	9:30	12:00	2:00
WEIGHT	9.1	9.1	9.2
PRESSURE GRADIENT			
VISC.–SEC.	53	45	45
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	8.0	8.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	25#		
GEL	2800#		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	32.13	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 11/16 OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO SUB	4.70	
1	S.S. SUB	10.58	
58	STANDS DP	5458.84	FT.
1	SINGLES DP	3160	FT.
	KELLY DOWN	2	FT.
	TOTAL	6313.60	FT.
WT. OF STRING		148	LBS.

BIT RECORD

BIT NO.	10RR	
SIZE	8¾	
MFG.	SEC	
TYPE	S88	
JETS 1/32"	13 4 4	
SER. NO.	335119	
DEPTH OUT	6312	
DEPTH IN	5888	
TOTAL FTG.	424	
TOTAL HRS. RUN	27¼	
COND. 1/8's T/B/ GAGE	3 4 1	
GPM/ PD–PSI	/	/

MUD RECORD

TIME	4:00	6:00	
WEIGHT	9.2	9.2	
PRESSURE GRADIENT			
VISC.–SEC.	47	54	
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1800		

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 SCH.–S PART.–P COM.–C
6094	6198	104			62	40	1250	5½	54			

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
12:00	8:00	8		DRLG.

PUMP STROKES.
36 – 650
40 – 775
50 – 1100

DRILLER A. Mattson

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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 SCH.–S PART.–P COM.–C
6198	6298	100			62	40	1250	5½	54			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6219	2 1/8							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	9:30	1½		DRLG.
9:30	10:15	¾		SURVEY
10:15	4:00	5¾		DRLG.

PUMP STROKES
36 – 650
40 – 775
50 – 1100.

DRILLER

NO. OF DAYS _____ 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. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCH.–S PART.–P COM.–C
6298	6312	14			62	40	1250	5½	54			

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
4:00	5:00	1		DRLG
5:00	6:00	1		CIRC. BOTTOM HOLE SAMPLE
6:00	9:00	3		HOIST TO CUT CORE #2
9:00	10:15	1¼		PICK UP CORE BBL. SERVICE CAMP
10:15	12:00	1¾		PICK UP TOOLS & RUN IN

PUMP STROKES
36 – 650
40 – 775
50 – 1100

HELD BRAKES ON DRLG.

DRILLER

MORNING TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		P HOFER	12
FLRMAN		B. DIRK	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			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. 12. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	12
DRKMAN		R. JOHNSON	12
MTRMAN		D. SHARP	12
FIREMAN			
FLRMAN		H. OSTGAARD	12
FLRMAN		E. ABNDT	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AMOCO	K-3	DO DO CANYON	DEC. 16/71
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
E. Lukob		Ken Campbell	

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	"	DA500	16

LOCATION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		36 555	27	1009		1008

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	7 1/2
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG		1	1/2
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		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.
3	STB RMR	OD 32.13	FT.
1	D.C. ID 7 1/8	OD 31.20	FT.
1	STB RMR 7 1/8	OD 7.96	FT.
24	D.C. ID	OD 695.14	FT.
	STB RMR	OD	FT.
2	XO SUBS	4.70	
1	SH SUB	10.68	
54	STANDS DP	5083.89	FT.
	SINGLES DP		FT.
	KELLY DOWN	26.30	FT.
	TOTAL	5892	FT.
WT. OF STRING	134 M		LBS.

BIT RECORD

BIT NO.	10
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	- REAMED
DEPTH IN	31
TOTAL FTG.	4
TOTAL HRS. RUN	1/4 3 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	3:00	5:00	7:00
WEIGHT	9.0	9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.	65	55	52
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR	OD 32.13	FT.
1	D.C. ID 7 1/8	OD 31.20	FT.
1	STB RMR 7 1/8	OD 7.96	FT.
24	D.C. ID	OD 695.14	FT.
	STB RMR	OD	FT.
2	XO SUB.	4.70	
1	SH. SUB.	10.68	
55	STANDS DP	5178.04	FT.
	SINGLES DP		FT.
	KELLY DOWN	28.40	FT.
	TOTAL	6001.25	FT.
WT. OF STRING	130 M		LBS.

BIT RECORD

BIT NO.	10RR
SIZE	8 3/4
MFG.	SEC.
TYPE	S88
JET 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	5857
TOTAL FTG.	100
TOTAL HRS. RUN	7 1/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	11 AM		
WEIGHT	9.1		
PRESSURE GRADIENT			
VISC.-SEC.	55		
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	13.0		
pH	8.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR	OD 32.13	FT.
1	D.C. ID 7 1/8	OD 31.20	FT.
1	STB RMR 7 1/8	OD 7.96	FT.
24	D.C. ID	OD 695.14	FT.
	STB RMR	OD	FT.
2	XO SUB	4.70	
1	S. SUB	10.68	
56	STANDS DP	5271.16	FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL	6094.34	FT.
WT. OF STRING	148 M.		LBS.

BIT RECORD

BIT NO.	10
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	5857
TOTAL FTG.	206
TOTAL HRS. RUN	14 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	4:00	6:00	10:00
WEIGHT	9.1	9.0+	9.0+
PRESSURE GRADIENT			
VISC.-SEC.	50	50	50
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	13.4	13.4	13.4
pH	8.0	8.0	8.0
SOLIDS %	UNDER FLOW		12.8
	DIFF FROM 9.1		

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
5888	5892	4			40	30	1150	5 1/2	54			
REAMED												
5857	5888	31										

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
12:00	1:45	1 3/4		RUN IN W/BIT
1:45	2:15	1/2		BLOW KELLY - BREAK CIRC
2:15	6:00	3 3/4		REAM RAT HOLE FROM 5857-5888
6:00	6:30	1/2		WORK ON COMPRESSOR
6:30	6:45	1/4		DRILL 8 3/4" HOLE Pump #1 36-650 PSI
6:45	8:00	1 1/4		WORK ON COMPRESSOR + AIR 40-775
				LINES 50-1050

DRILLER L. Ryks

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 PARL.-P COM.-C
5892	5988	96			62	35	1250	5 1/2	54			

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
8:00	9:00	1		RIG SERVICE & CHECK BOP. WORK ON AIR LINES
9:00	4:00	7		DRLG.
				Pump #1-36-650
				40-775
				HELD BLOW OUT DRILL 50-1100

DRILLER L. Watts

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 PARL.-P COM.-C
5988	6094	106			62	40	1250	5 1/2	54			

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
4:00	9:30	5 1/2		DRLG.
9:30	10:00	1/2		REPLACE GUARD ON AIR COMPRESSOR
10:00	12:00	2		DRLG.
				Pump #1 36-650
				40-775
				50-1100
				HELD BLOW OUT
				DRLG.

DRILLER D. Davis

DRILLING CREW PAYROLL DATA

DATE DEC. 16/71
WELL NAME & NO. AQUITAINE K-3
COMPANY PETROLIA DRLG
TOOL PUSHER Ken Campbell RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		R. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		E. MASSIA	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	8
DRKMAN		K. JOHNSON	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGARD	8
FLRMAN		E. BRNDT	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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM HESS	K03	DO DO CANYON	DEC 15/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
C. Sharp			

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

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

LOCATION

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 DEC. 15, 19__

WELL NAME & NO. AQUITAINE K03

COMPANY PETROLIA DRLG.

TOOL PUSHER _____ RIG NO. 7

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

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32 13	FT.
1	D.C. ID	OD	31.20	FT.
1	STB RMR	OD	796	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	X O SUBS		4.70	
1	SHOCK SUB		10.68	
53	STANDS DP		4989.22	FT.
2	SINGLES DP		6309	FT.
	KELLY ~~DOWN~~		18	FT.
	TOTAL		5875	FT.

WT. OF STRING 135 M 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 SCR.-S PART.-P CONT.-C
5857												

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	12³⁰	1/2		CIRC. TO CORE
1730	4³⁰	4		BLOW KELLY & STRAP OUT
4³⁰				PICK UP CORE BBL & JARS & MAKE UP SAME
				LAY SHOCK SUB & CHANGE RUBBERS ON
	7³⁰	3		BTM STRG.
7³⁰	8⁰⁰	1/2		RUN IN W/ CORE BBL.

DRILLER L. Ryks

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

MORNING TOUR — 12⁰⁰ P.M. 8⁰⁰ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLNER	8
MTRMAN		D. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAUARD	8
FLRMAN		E. MASSIA	8
FLRMAN			

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	OD 7 1/8	31.20	FT.
1	STB RMR	OD 7 11/16	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
3	XO-SUBS		5.95	
1	JARS		7.76	
1	CORE BBL		55.70	
53	STANDS DP			FT.
1	SINGLES DP		5020.88	FT.
	KELLY DOWN		30	FT.
	TOTAL		5898	FT.

WT. OF STRING 124 LBS.

BIT RECORD

BIT NO.	1C
SIZE	6 1/8
MFG.	SMIT
TYPE	◇
JET 1/32"	
SER. NO.	D166C
DEPTH OUT	
DEPTH IN	5857
TOTAL FTG.	30
TOTAL HRS. RUN	3 3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	2⁰⁰
WEIGHT	9.0
PRESSURE GRADIENT	
VISC.-SEC.	58
PV/YP	
GELS.	
WL.-CC'S.	12.2
pH	8.0
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. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCR.-S PART.-P CONT.-C
5857	5888	30			72	8	850	5 1/2	35			

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
8⁰⁰	8³⁰	1/2		RUN IN DRILL COLLARS.
8³⁰	9³⁰	1		SLIP 52' DRILLING LINE.
9³⁰	10⁴⁵	1 1/4		RUN IN W/ CORE BBL
10⁴⁵	11³⁰	3/4		BREAK CIRC. & CIRC TO CORE.
11³⁰	3¹⁵	3 3/4		CUT CORE #1 (5857-5888)
3¹⁵	4⁰⁰	3/4		BLOW KELLY & HOIST CORE #1

DRILLER L. Matton

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR _____ A.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		C. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID	OD 7 1/8	32.20	FT.
1	STB RMR	OD 7 11/16	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
1	XO-SUB		4.70	
1	SHOCK SUB		10.68	
53	STANDS DP		4989.22	FT.
2	SINGLES DP		63.69	FT.
	KELLY DOWN	◇	15'	FT.
	TOTAL		5895	FT.

WT. OF STRING 135 M LBS.

BIT RECORD

BIT NO.	9
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	5857
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 SCR.-S PART.-P CONT.-C
5857			1	RECOVERY 31'								

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
400	500	1		WORK ON AIR LINES
500	800	3		HOIST CORE #1
800	1045	2 3/4		RECOVER CORE SERVICE BOX & LAY SAME
1045	1200	1 1/4		PICK UP SHOCK SUB & RUN IN W/ BIT

This is the first day that Geoservices Speedgraph was in operation. Due the neglect on Geoservices part billing on Speedgraph should start on Dec. 15- only.

DRILLER [illegible]

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		E. ARNDT	8
FLRMAN			

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM NESS	K03	DO D2 CANYON	DEC 14/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. [illegible]		Ken Campbell	

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	"	DA500	16

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		36	27			1005

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 DEC. 14/71

WELL NAME & NO. AQUITAINE K03

COMPANY PETROLIA

TOOL PUSHER Ken Campbell RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	4½		
3	REAMING	½		
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	3		
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. ADD'IT'N'L			
	G.			
TOTALS		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) — BIT RECORD

NO.		FT.
	BIT	
3	STB RMR OD	32.13 FT.
1	D.C. ID 7 1/8 OD	31.20 FT.
1	STB RMR 7 7/16 OD	7.96 FT.
24	D.C. ID OD	695.14 FT.
	STB RMR OD	FT.
2	KO SUBS	4.70
1	SH. SUB	10.68
52	STANDS DP	4894.67 FT.
	SINGLES DP	FT.
	KELLY DOWN	4140 FT.
	TOTAL	5717.83 FT.
WT. OF STRING	132M	LBS.

BIT RECORD	
BIT NO.	9
SIZE	8 3/4
MFG.	SEC.
TYPE	S88
JETS 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	5650
TOTAL FTG.	67
TOTAL HRS. RUN	4½
COND. 1/8"s T/B/ GAGE	
GPM/ PD—PSI	/ /

MUD RECORD

TIME	4.00	7.00	
WEIGHT	9.2	9.1	
PRESSURE GRADIENT			
VISC.—SEC.	54	50	
PV/YP	/	/	/
GELS.	/	/	/
WL —CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
BENEX	4#		

MORNING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.D RM.R CORE.C	CORE NO.	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 PARL'L—P COMP'D—C
5650	5717	67		40	30	1100	5½	54			

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
12:00	12:30	½		FINISH TRIP OUT
12:30	3:00	2½		RUN IN W/BIT #9
3:00	3:30	½		BREAK CIRC. + CLEAN 20' TO BTM.
3:30	8:00	4½		DRLG.

PUMP OUTPUT = 1 36 SPM — 500 PSI
40 — 600 "
50 — 850

DRILLER L. Ryks

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		O. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		E. MASSIA	8
FLRMAN			

DAY TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.		FT.
	BIT	
3	STB RMR OD	32.13 FT.
1	D.C. ID 7 1/8 OD	31.20 FT.
1	STB RMR 7 7/16 OD	7.96 FT.
24	D.C. ID OD	695.14 FT.
	STB RMR OD	FT.
2	KO SUBS	4.70
1	SH. SUB	10.68
53	STANDS DP	FT.
1	SINGLES DP	5020.74 FT.
	KELLY DOWN	25.40 FT.
	TOTAL	5843.93 FT.
WT. OF STRING	138	LBS.

BIT RECORD	
BIT NO.	9
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JET 1/32"	13 13 13
SER. NO.	335119
DEPTH OUT	
DEPTH IN	5650
TOTAL FTG.	177
TOTAL HRS. RUN	12¼
COND. 1/8"s T/B/ GAGE	
GPM/ PD—PSI	/ /

MUD RECORD

TIME	9. AM	11.30	3.00	
WEIGHT	9.1	9.05	9.1	
PRESSURE GRADIENT				
VISC.—SEC.	49	51	50	
PV/YP	/	/	/	
GELS.	/	/	/	
WL —CC'S.		13.4		
pH		8.0		
SOLIDS %	DESILTER UNDERFLOW 14.6			
	OVERFLO		9.0	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1400#		
BENEX	3 SAX		

DAY TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.D RM.R CORE.C	CORE NO.	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 PARL'L—P COMP'D—C
5717	5827	110		60	30	1200	5½	54			

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
8:00	10:00	2		DRLG.
10:00	10:15	¼		RIG SERVICE & CHECK B.O.P
10:15	4:00	5¾		DRLG.

Pump Output #1 36 — 525
40 — 750
50 — 1100

DRILLER L. Mattson

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

EVENING TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.		FT.
	BIT	
3	STB RMR OD	32.13 FT.
1	D.C. ID 7 1/8 OD	31.20 FT.
1	STB RMR 7 7/16 OD	7.96 FT.
24	D.C. ID OD	695.14 FT.
	STB RMR OD	FT.
2	KO SUB	4.70
1	SUB	10.68
53	STANDS DP	4999.10 FT.
2	SINGLES DP	63.09 FT.
	KELLY DOWN	18 FT.
	TOTAL	5875 FT.
WT. OF STRING	138M.	LBS.

BIT RECORD	
BIT NO.	9.
SIZE	8 3/4
MFG.	SEC
TYPE	S88
JETS 1/32"	13 13
SER. NO.	335119
DEPTH OUT	5857
DEPTH IN	5650
TOTAL FTG.	207
TOTAL HRS. RUN	14¼
COND. 1/8"s T/B/ GAGE	
GPM/ PD—PSI	/ /

MUD RECORD

TIME	5.00	8.00	11.00	
WEIGHT	9.1	9.0	9.0	
PRESSURE GRADIENT				
VISC.—SEC.	48	52	72	
PV/YP	/	/	/	
GELS.	/	/	/	
WL —CC'S.	13.8			
pH	8.0	@ 6 P.M.		
SOLIDS %	UNDER FLW 14.8			
	OVER FLOW 9.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2600		
BENEX	5 SAX		

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR.D RM.R CORE.C	CORE NO.	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 PARL'L—P COMP'D—C
5827	5857	30		60	38	1200	5½	54			

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.
4:00	6:00	2		DRLG
6:00	7:00	1		CIRC @ BTM HOLE SAMPLE
7:00	9:00	2		CIRC & COND MUD
9:00	10:30	1½		DUMMY TRIP 10 STD.
10:30	12:00	1½		CIRC TO [illegible]. CORE

Pump Output
36 — 600
40 — 775
50 1125.

DRILLER W. Sharp

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	11
DRKMAN		A. TRACEY	11
MTRMAN		A. SHARP	11
FIREMAN			
FLRMAN		H. OSTEAAZO	11
FLRMAN		F. AZNDT	11
FLRMAN			
		WORK ON TENT.	

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUITAINE MOBIL AM HESS	K-03	DO DO CANYON K-03	DEC. 13/71
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
E. Schaff		L. Campbell	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D 500	16
2	"	D A 500	16

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		36	27			1005

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 DEC. 13/71
WELL NAME & NO. AQUITAINE K-03
COMPANY PETROLIA DRLG.
TOOL PUSHER — RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	6	9 3/4	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
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.			
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

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	3213	FT.
1	D.C. ID 7 1/16 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO SUBS	4.70	
1	S. SUB	10.68	
5D	STANDS DP	4705.03	FT.
	SINGLES DP		FT.
	KELLY DOWN	41.40	FT.
	TOTAL	5528.24	FT.
WT. OF STRING		130 M	LBS.

BIT RECORD

BIT NO.	8
SIZE	8 3/4
MFG.	SEC.
TYPE	M44N
JETS 1/32"	13 13 13
SER. NO.	291389
DEPTH OUT	
DEPTH IN	5400
TOTAL FTG.	128
TOTAL HRS. RUN	8
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1:00	4:00	7:00
WEIGHT	9.5	9.4	9.3
PRESSURE GRADIENT			
VISC.-SEC.	53	51	55
PV/YP	/	/	/
GELS.	/	/	/
WL -CC's.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4800#		
BENEX	16#		
WATER	2" STREAM		

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. 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.-C
5400	5528	128			70	45	1300	5 1/2	58			

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
12:00	8:00	8		DRLG.
				HELD BLOWOUT DRILL
				PUMP STROKES AT IDLE #2 - 36 SPM 650 PSI
				40 - 775
				50 - 1.50

DRILLER L. Ryks

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		D. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		E. MASSIA	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	32.13	FT.
1	D.C. ID 7 1/16 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO SUBS	4.70	
1	SM. SUB	10.68	
51	STANDS DP	4799.91	FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL	5623.12	FT.
WT. OF STRING		130M	LBS.

BIT RECORD

BIT NO.	8
SIZE	8 3/4
MFG.	M44N
TYPE	
JET 1/32"	13 13 13
SER. NO.	291389
DEPTH OUT	15.4
DEPTH IN	5400
TOTAL FTG.	198
TOTAL HRS. RUN	15 3/4
COND. 1/8's T/B/ GAGE	8.0
GPM/ PD-PSI	RATE 1 1/2 G.P.M.

MUD RECORD

TIME	9 AM	1:00	2:30
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	55	51	50
PV/YP	/	/	/
GELS.	/	/	/
WL -CC's.			
pH			
SOLIDS %	DESILTER USER UNDER	9.2 10.9	

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. 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.-C
5528	5598	70			70	50	1400	5 1/2	60			

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
8:00	8:15	1/4		RIG SERVICE & CHECK BOP'S.
8:15	4:00	7 3/4		DRLG.
				PUMP STROKES
				#2 IDLE - 36 - 650
				40 - 775
				50 - 1200

DRILLER L. Mattson

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	32.13	FT.
1	D.C. ID 7 1/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO SUB	4.70	
1	SM SUB	10.68	
51	STANDS DP	4779.91	FT.
1	SINGLES DP	31.53	FT.
	KELLY DOWN DP	4	FT.
	TOTAL	5654	FT.
WT. OF STRING		132	LBS.

BIT RECORD

BIT NO.	8
SIZE	8 3/4
MFG.	M44N
TYPE	
JETS 1/32"	13 - -
SER. NO.	291389
DEPTH OUT	5650
DEPTH IN	5400
TOTAL FTG.	250
TOTAL HRS. RUN	19 1/2
COND. 1/8's T/B/ GAGE	8 4 1
GPM/ PD-PSI	

MUD RECORD

TIME	5:00	7:30	
WEIGHT	9.2	9.2	
PRESSURE GRADIENT			
VISC.-SEC.	48	54	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC's.	OVER FLOW		13.7
pH	UNDER FLOW		9.2
SOLIDS %	G. P. M. D		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1200		
BENEX	25 SAX		

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. 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.-C
5598	5650				70	50	1400	5 1/2	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5650	7/8°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:45	3 3/4		DRLG
7:45	8:45	1		CIRC BTM HOLE SAMPLE
8:45	12:00	3 1/4		SURVEY & HOIST F/BIT
				HELD BLOW OUT DRLG
				PUMP STROKES
				#2 IDLE 36 - 650
				50 - 1150 40 - 775

DRILLER L. Sharp

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		F. ARNDT	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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AM HESS	K03	DO DC CANYON	DEC 12/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. [illegible]		D Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D 500	
2	"	DA 500	

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9 5/8		36	27			1008

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 DEC 12/71
WELL NAME & NO. AQUIT. K03
COMPANY PETROLIA DRLG
TOOL PUSHER D Barker — RIG NO. 7

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMY

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	1¼		
3.	REAMING	1¼		
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS	4½		
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.	PICK SHOCK SUB	1		
22.	SUB			
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.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7⅛	OD	31.20	FT.
1	STB RMR 7 11/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUBS		4.70	FT.
1	SHOCK SUB		10.68	FT.
	STANDS DP			FT.
	SINGLES DP			FT.
	KELLY DOWN			FT.
	TOTAL			FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	6
SIZE	8¾
MFG.	SEC.
TYPE	M44N
JETS 1/32"	12 13 13
SER. NO.	299468
DEPTH OUT	5197
DEPTH IN	4632
TOTAL FTG.	565
TOTAL HRS. RUN	19¼
COND. 1/8's T/B/ GAGE	5 5 1
GPM/ PD–PSI	/ /

MUD RECORD

TIME	10.00
WEIGHT	9.5
PRESSURE GRADIENT	
VISC.–SEC.	47
PV/YP	/ / /
GELS.	Desilter
WL –CC'S	Under Flow 13.6 — 16.8
pH	Over Flow – 9.5
SOLIDS %	Rate 2 gal Per Min.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Pen-Ex	2 SKS.		

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 PARL.–P COMP.–C
5134	5197	63			100	48	1400	5½	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5072	1¼°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	1 15	1¼		DRLG.
1 15	4 00	2¾		BLOW KELLY + HOIST – (6 STDS TIGHT)
4 00	5 00	1		PICKUP SHOCK SUB + CHANGE SET = 2
				RUBBERS ON STDS.
5 00	6 45	1¾		RUN IN W/ BIT #7 TO 5070'
6 45	8 00	1¼		PICK UP KELLY + CLEAN 90' FILL

DRILLER L Ryks

MORNING TOUR — 12 00 P.M. — 8 00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS.	12
DRKMAN		D. KELLNER	12
MTRMAN		O. ARSENAULT	12
FIREMAN			
FLRMAN		R. SAVARD	12
FLRMAN		E MASSIA	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7⅛	OD	31.20	FT.
1	STB RMR 7 11/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUBS		4.70	FT.
1	SHOCK SUB		10.68	FT.
	STANDS DP			FT.
	SINGLES DP			FT.
	KELLY DOWN			FT.
	TOTAL			FT.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	7
SIZE	7¾
MFG.	SEC.
TYPE	S44
JET 1/32"	12 13 13
SER. NO.	271654
DEPTH OUT	5400
DEPTH IN	5197
TOTAL FTG.	203
TOTAL HRS. RUN	6
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME	1000
WEIGHT	9.5
PRESSURE GRADIENT	
VISC.–SEC.	47
PV/YP	18/15 / /
GELS.	DESILTER
WL –CC'S	UNDERFLOW 13.6
pH	OVERFLOW 9.5
SOLIDS %	RATE 2 gal/min

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 SGL.–S PARL.–P COMP.–C
5197	5400	203			120	45	1350	5½	58			

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
8 00	8 45	¾		CLEAN TO BTM. 60'
8 45	9 00	¼		DRLG.
9 00	9 15	¼		RIG SERV. + BOP'S
9 15	3 00	5¾		DRLG.
3 00	4 00	1		CIRC, DROP SURVEY & HOIST F/BIT.
				Perform Blowout Drill

DRILLER

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (At end of tour)

NO.				
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7⅛	OD	31.20	FT.
1	STB RMR 7 11/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUBS		4.70	FT.
49	STANDS DP		4603.07	FT.
	SINGLES DP			FT.
	KELLY DOWN		15	FT.
	TOTAL		5426.29	FT.
WT. OF STRING			130	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	2 PM
WEIGHT	9.4
PRESSURE GRADIENT	
VISC.–SEC.	49
PV/YP	/ / /
GELS.	/ / /
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1900#		
BENEX	4 SAX		
2" STREAM WATER			

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 PARL.–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
4 00	12 00	8		TRIP F/BIT CLEAN 70' TO BTM. STRAP IN
				HELD BLOW OUT DRILL.
				PIPE STRAP 543366
				PIPE TALLY 542628
				DIFF 7.38 CORR. MADE

DRILLER G. Mattson

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		B. DIRK	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
COUIT MOBIL AM HESS	K03	DO DO CANYON K-03	DEC. 11/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
L. Schuh		D. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LOCATION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		36	27			1008

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 Dec 11, 71

WELL NAME & NO. AQUITAINE K03

COMPANY PETROLIA DRLG

TOOL PUSHER D Barker — RIG NO. 7

MORNING TOUR — 12:00 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKE	12
DRKMAN		D. KELLIHER	12
MTRMAN		D. ARSENAULT	12
FIREMAN			
FLRMAN		R. SAYARD	12
FLRMAN		E. MASEIA	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			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		B. DIRK	12
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 1/4	7 1/4	7 1/4
3	REAMING	1/4		
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS	3 1/2		
7	LUBRICATE RIG		1/4	
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.			
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/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.				FT.
	BIT			FT.
3	STB RMR	OD	32 1/8	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO Subs		4.70	
41	STANDS DP		3851.12	FT.
2	SINGLES DP		62.29	FT.
	KELLY DOWN		20.47	FT.
	TOTAL		4705.00	FT.
WT. OF STRING			118,000	LBS.

BIT RECORD

BIT NO.	6
SIZE	8 3/4
MFG.	SEC.
TYPE	M44N
JETS 1/32"	12 13 13
SER. NO.	299468
DEPTH OUT	
DEPTH IN	4632
TOTAL FTG.	73
TOTAL HRS. RUN	3/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	6.00
WEIGHT	9.4
PRESSURE GRADIENT	
VISC.-SEC.	53
PV/YP	/
GELS.	Res/Ter / /
WL -CC'S	Under Flow 13.1
pH	Over Flow 9.5
SOLIDS %	Rate Igal Rate Dilu

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				FT.
	BIT			FT.
3	STB RMR	OD	32.13	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUBS		4.70	
43	STANDS DP		4039.79	FT.
1	SINGLES DP		31.55	FT.
	KELLY DOWN		41.40	FT.
	TOTAL		4883.87	FT.
WT. OF STRING			118 M	LBS.

BIT RECORD

BIT NO.	6		
SIZE	8 3/4		
MFG.	SEC.		
TYPE	M44N		
JET 1/32"	12 13 13		
SER. NO.	299468		
DEPTH OUT			
DEPTH IN	4632		
TOTAL FTG.	251		
TOTAL HRS. RUN	11		
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME	8.00	11.00	1 [illegible]
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT			
VISC.-SEC.	49	45	50
PV/YP	Desilter /	/	/
GELS.	under Flow 1/3		/
WL -CC'S	Under Flow 9.4		
pH	Rate Igal Rate		Mud.
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1500		
"			
Den Ex	35 KG.		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				FT.
	BIT			FT.
32	STB RMR	OD	32.13	FT.
1	D.C. ID 7 1/8	OD	31.20	FT.
1	STB RMR 7 1/16	OD	7.96	FT.
24	D.C. ID	OD	695.14	FT.
	STB RMR	OD		FT.
2	XO SUBS.		4.70	
46	STANDS DP		4322.08	FT.
	SINGLES DP			FT.
	KELLY DOWN		41.40	FT.
	TOTAL		5134.61	FT.
WT. OF STRING			120M	LBS.

BIT RECORD

BIT NO.	6
SIZE	8 3/4
MFG.	SEC.
TYPE	M44N
JETS 1/32"	12 13 13
SER. NO.	299468
DEPTH OUT	
DEPTH IN	4632
TOTAL FTG.	502
TOTAL HRS. RUN	18 1/4
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	5 PM	8 [illegible]	11 PM
WEIGHT	9.4	9.4	9.4
PRESSURE GRADIENT			
VISC.-SEC.	54	51	53
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.8		
pH	9.0		
SOLIDS %	Desilter Underflow 12.4		
	Over Flo 9.4		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1900 #		
Benex	45 AX		

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCH.-S PART.-P COMP.-C
4632	4705	73			70	48	1400	5 1/2	58			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4570	1°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:30	1 1/2		HOIST
1:30	3:30	2		RUN IN W/BIT #6
3:30	4:45	1 1/4		BLOW KELLY - BREAK CIRC + CLEAN 60' TO BTM
4:45	8:00	3 1/4		DRLG.
				Practice Blowout Prevention
				BLIND RAMS CHECKED WHEN OUT OF HOLE

DRILLER L. Ryke

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 SCH.-S PART.-P COMP.-C
4705	4883	178			70	48	1400	5 1/2	60			

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
8:00	9:00	1		DRLG.
9:00	9:15	1/4		RIG SERV. + BOP ✓ (OK)
9:15	4:00	6 3/4		DRLG.

DRILLER

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 SCH.-S PART.-P COMP.-C
4883	5134	251			100	48	1400	5 1/2	60			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5072								

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	9:15	5 1/4		DRLG.
9:15	10:00	3/4		CIRC & SURVEY, SURVEY
10:00	12:00	2		DRLG.
				Practice Blowout Prevention

DRILLER L. Mattson

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT

FORM 3T5 — APPROVED — APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquit Mobil Am Hess	K03	Do Do Canyon K-03	Dec 10/71

OPERATOR: Aquitaine

CONTRACTOR: Petrolia Oilwell Drlg — RIG NO. 7

SIGNATURE OF OPERATOR'S REPRESENTATIVE: C. Lamb

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D Barker

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4				3½ H90	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D 500	16
2	"	D 500	16

LOCATION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9⅝		36 K55	27			1008

WIRE LINE RECORD — REEL NO.

SIZE 1/16 — 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 Dec. 10/71

WELL NAME & NO. Aquitaine K03

COMPANY Petrolia Drlg.

TOOL PUSHER D Barker — RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	12
DRKMAN		D. Kellner	12
MTRMAN		O. Arsenault	12
FIREMAN			
FLRMAN		R. Savard	12
FLRMAN		E. Massia	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			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. Mattson	12
DRKMAN		E. Harstad	12
MTRMAN		F. Tomezak	12
FIREMAN			
FLRMAN		P. Hofer	12
FLRMAN		B. Dirk	12
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	6½	7¼	5
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			3/4
7	LUBRICATE RIG		¼	
8	REPAIR RIG			3/4
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.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION A	A. PERF'R'T'N			
COMPLETION B	B. TBG TRIPS			
COMPLETION C	C. TREATING			
COMPLETION D	D. SWABBING			
COMPLETION E	E. TESTING			
COMPLETION F	F. ADDIT'N'L			
COMPLETION G	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.			FT.
	BIT		
3	STB RMR OD	32.13	FT.
1	D.C. ID 7⅛ OD	31.20	FT.
1	STB RMR 7¹⁵⁄₁₆ OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO Subs	4.70	
	STANDS DP	3476.49	FT.
1	SINGLES DP	31.65	FT.
	KELLY DOWN	41.40	FT.
	TOTAL	4320.67	FT.
WT. OF STRING	112,000		LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	Smith
TYPE	SDGH
JETS 1/32"	12 12 13
SER. NO.	HC491
DEPTH OUT	
DEPTH IN	4132
TOTAL FTG.	188
TOTAL HRS. RUN	7½
COND. 1/8 T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

	12 00	3:00	5:00
TIME			
WEIGHT	9.3	9.3	9.4
PRESSURE GRADIENT			
VISC.-SEC.	48	45	51
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		
Bentex	2 sks		

MORNING TOUR

FOOTAGE

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 SCI. PART'L P COMP'D
4132	4320	188			100	48	1350	5½	62			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4132	1½							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	1 15	1¼		Drlg
1 15	1 45	½		Circ + Survey @ 4132
1 45	8 00	6¼		Drlg

DRILLER L. Ryks

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
5	STB RMR OD	32.13	FT.
1	D.C. ID 7⅛ OD	31.20	FT.
1	STB RMR 7¹⁵⁄₁₆ OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	XO Subs	4.70	
39	STANDS DP	3663.50	FT.
1	SINGLES DP	31.20	FT.
	KELLY DOWN	41.40	FT.
	TOTAL	4501.23	FT.
WT. OF STRING	112M.		LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	Smith
TYPE	SDGH
JET 1/32"	12 12 13
SER. NO.	HC491
DEPTH OUT	
DEPTH IN	4132
TOTAL FTG.	375
TOTAL HRS. RUN	15¼
COND. 1/8" T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

	8:00	11.00	1 00
TIME			
WEIGHT	9.3	9.4	9.3
PRESSURE GRADIENT			
VISC.-SEC.	47	50	50
PV/YP	/	/	/
GELS.	Desilted		
WL -CC'S.	Lost Circ 1/2 to 4		13.0
pH	Overflow		9-2
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE

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 SCI. PART'L P COMP'D
4320	4507	187			100	48	1350	5½	62			

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
8 00	9 00	1		Drlg.
9 00	9 15	¼		Rig Serv. + Bop (OK)
9 15	4 00	6¾		Drlg.

Jas, Maggot & Hollis Babst arrived on location

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
3	STB RMR OD	32.13	FT.
1	D.C. ID 7⅛ OD	31.20	FT.
1	STB RMR 7¹⁵⁄₁₆ OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
1	XO Sub	4.70	
40	STANDS DP	3757.86	FT.
2	SINGLES DP	62.42	FT.
	KELLY DOWN	41.40	FT.
	TOTAL	4632.81	FT.
WT. OF STRING	114M		LBS.

BIT RECORD

BIT NO.	5
SIZE	8¾
MFG.	Sm
TYPE	SDGH
JETS 1/32"	12 12 13
SER. NO.	HC 491
DEPTH OUT	4632
DEPTH IN	4132
TOTAL FTG.	500
TOTAL HRS. RUN	20¼
COND. 1/8" T/B/ GAGE	4 1/2
GPM/ PD-PSI	

MUD RECORD

	4 PM	8 PM	11 PM
TIME			
WEIGHT	9.2	9.2	9.3
PRESSURE GRADIENT			
VISC.-SEC.	49	50	51
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	Desilter		
SOLIDS %	Overflo 9.3		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1500		
Bentex	4 Sks		

EVENING TOUR

FOOTAGE

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 SCI. PART'L P COMP'D
4507	4632	125			100	48	1350	5½	62			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4570	1°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 30	½		Drlg.
4 30	5 15	¾		Rig Service & Install Lube System On Air Lines
5 15	7 00	1¾		Drlg.
7 00	7 30	½		Circ & Survey, Lost Survey Bbl. Sinker Bar Unscrewed
7 30	10 15	2¾		Drlg.
10 15	12 00	1¾		Blow Kelly & Hoist F/Bit

DRILLER G. Mattson

DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH — CONSERVATION ENGINEER

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AM-HESS	D03	P.C.D. CANYON	Dec 9/71
OPERATOR		**CONTRACTOR**	**RIG NO.**
FONTAINE		PETROLIA DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
C. Sharp.		D Barker.	

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

LOCATION

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 Dec 9/71

WELL NAME & NO. AQUIT K-3

COMPANY PETROLIA

TOOL PUSHER D. Barker. RIG NO. 7

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL		6¼	
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS		1	8
7.	LUBRICATE RIG		¼	
8.	REPAIR RIG		¾	
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.	CLEAN SUCTION TANK			½
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	
	BIT		FT.	BIT NO.	4
				SIZE	8 3/4
3	STB RMR	OD 32.13	FT.	MFG.	SMITH
1	D.C. ID 6 7/8	OD 32.20	FT.	TYPE	SDGH
1	STB RMR 7 1/16	OD 9.96	FT.	JETS 1/32"	12/12/13
24	D.C. ID	OD 695.14	FT.	SER. NO.	N9925
	STB RMR	OD	FT.	DEPTH OUT	
2	X-O SUB	4.70		DEPTH IN	3709
				TOTAL FTG.	233
				TOTAL HRS. RUN	10 3/4
33	STANDS DP	3099.31	FT.	COND. 1/8"s T/B/ GAGE	1 1 I
1	SINGLES DP	32.84	FT.	GPM/ PD-PSI	/ /
	KELLY DOWN		FT.		
	TOTAL	3942	FT.		
WT. OF STRING		106M.	LBS.		

TIME	12:00	4:00	7:00
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	42	39	41
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000		
BENEX	4 SAX		
OVER FLO - 9.3			
UNDER FLO - N.C. 2900 P.M.			

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD	
	BIT		FT.	BIT NO.	4
				SIZE	8¾
3	STB RMR	OD 32.13'	FT.	MFG.	SMITH
1	D.C. ID 7⅛	OD 31.20	FT.	TYPE	SDGH
1	STB RMR 7 1/16	OD 7.96	FT.	JET 1/32"	12/12/13
24	D.C. ID	OD 695.14	FT.	SER. NO.	N9925
	STB RMR	OD	FT.	DEPTH OUT	4132
2	⅝ SUBS	4.70		DEPTH IN	3709
				TOTAL FTG.	423
				TOTAL HRS. RUN	17
35	STANDS DP	3288.04	FT.	COND. 1/8"s T/B/ GAGE	
1	SINGLES DP	31.58	FT.	GPM/ PD-PSI	/ /
	KELLY DOWN	41.40	FT.		
	TOTAL	4132.15	FT.		
WT. OF STRING		110,000	LBS.		

TIME	5:00	11:00	2:00
WEIGHT	9.4	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	43	38	44
PV/YP	/	/	/
GELS.	DOUGHEE		
WL -CC'S.	OVERFLOW		6.3
pH	UNDERFLOW		11
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2600		
Ben-Ex	5 SKS		

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD	
	BIT		FT.	BIT NO.	5
				SIZE	8 3/4
3	STB RMR	OD 32.13	FT.	MFG.	SM
1	D.C. ID 7⅛	OD 31.20	FT.	TYPE	SDGH
1	STB RMR 7 1/16	OD 7.96	FT.	JETS 1/32"	12/12/13
24	D.C. ID	OD 695.14	FT.	SER. NO.	HC491
	STB RMR	OD	FT.	DEPTH OUT	
2	SUB	4.70		DEPTH IN	4132
				TOTAL FTG.	
				TOTAL HRS. RUN	0
35	STANDS DP	3288.04	FT.	COND. 1/8"s T/B/ GAGE	
1	SINGLES DP	31.58	FT.	GPM/ PD-PSI	/ /
	KELLY DOWN	41.40	FT.		
	TOTAL	4132.15	FT.		
WT. OF STRING		110M.	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 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCR-S PART-P COMP-C
3780	3942	16	2		74	50	900	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
1200	300	3		DRLG
300	330	½		WORK ON AIR LINES IN PANEL
330	445	1¼		DRLG.
445	500	¼		WORK ON #500 PUMP.
500	800	3		DRLG
				LOST CIRC TEST IN BIT

DRILLER L. Sharp

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCR-S PART-P COMP-C
3942	4132	[illegible]			75/110	45	900	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
800	900	1		DRLG.
900	915	¼		RIG SERV. + BOP ✓
915	1115	2		DRLG.
1115	1145	½		WORK ON AIR LINES + CLEAN SUCTION TANK
1145	300	1¼		DRLG.
300	400	1		SURVEY - BLOW KELLY & HOIST

DRILLER R. Ryks

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 SCR-S PART-P COMP-C
4132												

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
400	1200	8		~~HOIST & STDS TIGHT~~ TRIP BIT #4
				5 STDS TIGHT. REPAIR 4" CAMERON
				ON MUD LINE. CLEAN 30' TO BTM.
				1 hr. Repairs

DRILLER G. Mattson

MORNING TOUR

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	8
DRKMAN		D. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		A. BIGNE	8
FLRMAN		H. OSTLAARD	8
FLRMAN			

DAY TOUR

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLNER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAWARD	8
FLRMAN		E. MASSIA	8
FLRMAN			

EVENING TOUR

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	11
DRKMAN		E. HARSTAD	11
MTRMAN		F. TOMEZAK	11
FIREMAN			
FLRMAN		P. HOFER	11
FLRMAN		B. DIRK	11
FLRMAN			
		OVERTIME WORKED ON GARAGE.	

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquit Mobil Am Hess	103	76-00-GNY-ON	Dec 8/71
OPERATOR		**CONTRACTOR**	**RIG NO.**
Aquitaine		Petrolia Oilwell Drlg	1
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
E. [illegible]		G. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	DB 500	
2	EMSCO	DB 500	

LOCATION

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

DEPARTMENT OF MINERAL RESOURCES AND TOURISM DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T.

DRILLING CREW PAYROLL DATA

DATE Dec 8/71

WELL NAME & NO. Aquit 103

COMPANY Petrolia

TOOL PUSHER G. Barker — RIG NO. 1

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 1/2
7	LUBRICATE RIG			
8	REPAIR RIG			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.			
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

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.			FT.
	BIT		
3	STB RMR	OD	32.13 FT.
1	D.C. ID 7 1/16	OD	31.20 FT.
1	STB RMR 7 1/16	OD	7.96 FT.
24	D.C. ID	OD	695.14 FT.
	STB RMR	OD	FT.
2	XO Subs		4.70
30	STANDS DP		2816.43 FT.
1	SINGLES DP		31.60 FT.
	KELLY DOWN		FT.
	TOTAL		3,660 FT.
WT. OF STRING			102M LBS.

BIT RECORD

BIT NO.	3
SIZE	8 3/4
MFG.	SEC
TYPE	M4NG
JETS 1/32"	12/12/13
SER. NO.	91195
DEPTH OUT	
DEPTH IN	1982
TOTAL FTG.	698
TOTAL HRS. RUN	19
COND. 1/8's T/B/ GAGE	RUN / /
GPM/ PD-PSI	

MUD RECORD

	100	400	630
TIME			
WEIGHT	9.3	9.3	9.4
PRESSURE GRADIENT			
VISC.-SEC.	34	37	41
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bel-Aloo	Over Haul 9.3		
Benex w/SAPP	Drlg thru 13.5		
See 10:00			

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 SGL-S PARL-P COM-C
3411	3660	249			69	4/8	1350	5 1/2	62			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3441	1 1/2°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:30	1/2		DRLG
12:30	1:00	1/2		SURVEY
1:00	8:00	7		DRLG

DRILLER [signature]

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. Sharp	8
DRKMAN		D. Tracey	8
MTRMAN		D. Sharp	8
FIREMAN			
FLRMAN		K. Collins	8
FLRMAN		L. Osterhaap	8
FLRMAN			

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
3	STB RMR	OD	32.13 FT.
1	D.C. ID 7 1/16	OD	31.20 FT.
1	STB RMR 7 1/16	OD	7.96 FT.
24	D.C. ID	OD	695.14 FT.
	STB RMR	OD	FT.
2	XO Subs		4.70
31	STANDS DP		2911.24 FT.
2	SINGLES DP		62.68 FT.
	KELLY DOWN		35.40 FT.
	TOTAL		3786.34 FT.
WT. OF STRING			105M LBS.

BIT RECORD

BIT NO.	3	4
SIZE	8 3/4	8 3/4
MFG.	SEC	SMITH
TYPE	M4NG	SDGH
JET 1/32"	12/12/13	12/12/13
SER. NO.	91195	N9925
DEPTH OUT	3709	
DEPTH IN	2982	3709
TOTAL FTG.	727	
TOTAL HRS. RUN	30 1/2	
COND. 1/8's T/B/ GAGE	4 7 /	
GPM/ PD-PSI		

MUD RECORD

	8:00		
TIME			
WEIGHT	9.4		
PRESSURE GRADIENT			
VISC.-SEC.	38		
PV/YP	/	/	/
GELS.	Desilter		
WL -CC'S. IN PET. 9-4 PPG			
pH OUT PET. 8.2			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	600#		
Bentel	2#		

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 SGL-S PARL-P COM-C
3660	3709	49			70	45	1350	5 1/2	64			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3709	1 1/4°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	9:30	1 1/2		DRLG.
9:30	12:00	2 1/2		SURVEY - BLOW KELLY - HOIST HOSE TIGHT FOR 9 STDS. OF BTM. PICK UP KELLY WORK JOINT HOSE
12:00	12:30	1/2		CONSERVATION CHECK
12:30	2:00	1 1/2		FINISH OUT
2:00	4:30	2		RUN IN 2 STDS OF COLLARS - PICKUP KELLY BREAK OFF SWIVEL & LAY SAME
CHANGED 2 1/4 SET DC				RUBBERS ON NEW ROTATING STAB.

DRILLER [signature]

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 12:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. Ryks	10
DRKMAN		D. Kehlmeier	10
MTRMAN		O. Arsenault	10
FIREMAN			
FLRMAN		R Savaro	10
FLRMAN		E. Massia	10
FLRMAN			
		Overtime: Worked on Garage Putting on Jarrs	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		
3	STB RMR	OD	32.13 FT.
1	D.C. ID 7 1/16	OD	31.20 FT.
1	STB RMR 7 1/16	OD	7.96 FT.
24	D.C. ID	OD	695.14 FT.
	STB RMR	OD	FT.
2	XO Sub		4.70
31	STANDS DP		2911.24 FT.
2	SINGLES DP		62.68 FT.
	KELLY DOWN		35.40 FT.
	TOTAL		3786.34 FT.
WT. OF STRING			105M LBS.

BIT RECORD

BIT NO.	4
SIZE	8 3/4
MFG.	Sm.
TYPE	SDGH
JETS 1/32"	12/12/13
SER. NO.	N9925
DEPTH OUT	
DEPTH IN	3709
TOTAL FTG.	71
TOTAL HRS. RUN	3 1/4
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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM-C
3709	3780	71			76	45	1500	5 1/2	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
4:00	5:15	1 1/4		PICK UP SWIVEL & SERVICE SAME
5:15	7:15	2		RUN IN
7:15	8:45	1 1/2		BREAK CIRC & CLEAN 45' TO BTM.
8:45	12:00	3 1/4		DRLG.

DRILLER [signature]

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. Mattson	11
DRKMAN		E. Harstad	11
MTRMAN		F. Tomczak	11
FIREMAN			
FLRMAN		P. Hofer	11
FLRMAN		B. Dirk	11
FLRMAN			
		Overtime Worked on Garage	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE: AQUIT MOBIL ANTHE — WELL NO.: K03 — API WELL NUMBER: 10-10 CANADA — DATE: DEC 1/71
OPERATOR: AQUITAINE — CONTRACTOR: PETROLIA OILWELL DRLG — RIG NO.: 7
SIGNATURE OF OPERATOR'S REPRESENTATIVE: C. Sharp — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D Barker

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

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

LOCATION

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

DEC 2. 1971 — YELLOWKNIFE, N.W.T.

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		3½	8
3. REAMING		1¼	
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		2½	
7. LUBRICATE RIG		¼	
8. REPAIR RIG			
9. CUT OFF DRILLING LINE		½	
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.			
TOTALS			

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

DAY WORK TIME SUMMARY (OFFICE USE ONLY)
HRS. W/CONTR. D.P.
HRS. W/OPN'L. 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.
3	STB. RMR OD	32.13	FT.
1	D.C. ID 7/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
24	D.C. ID OD	695.14	FT.
	STB RMR OD		FT.
2	STD SUB	4.70	
23	STANDS DP	2156.07	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	20.	FT.
	TOTAL	3009.2	FT.
	WT. OF STRING	95M.	LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	SMITH
TYPE	FDGH
JETS 1/32"	12 12 13
SER. NO.	
DEPTH OUT	2982
DEPTH IN	2613
TOTAL FTG.	369
TOTAL HRS. RUN	8 1/4
COND. 1/8" T/B/ GAGE	T 1 0
GPM/ PD--PSI	/

MUD RECORD

TIME	7:00	3:00	5:00
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	30	32	39
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4000		
BENEX	8 SAX		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB. RMR OD	32.13	FT.
1	D.C. ID 7/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
24	D.C. ID 6 1/2 OD	695.14	FT.
	STB RMR OD		FT.
2	X-O SUBS	4.70	
24	STANDS DP	2252.67	FT.
1	SINGLES DP	31.30	FT.
	KELLY DOWN	4.40	FT.
	TOTAL	3096.50	FT.
	WT. OF STRING	92,000	LBS.

BIT RECORD

BIT NO.	2	3
SIZE	8 3/4	8 3/4
MFG.	SMITH	SEC.
TYPE	SDGH	M4NG
JET 1/32"	12 12 13	12 12 13
SER. NO.	HC821	91195
DEPTH OUT	2982	
DEPTH IN	2613	2982
TOTAL FTG.	369	114
TOTAL HRS. RUN	8¼	3½
COND. 1/8's T/B/ GAGE	7 5 1	/
GPM/ PD--PSI	/	/

MUD RECORD

TIME	2:00	4:00
WEIGHT	9.3	9.2
PRESSURE GRADIENT		
VISC.-SEC.	35	40
PV/YP	/	/
GELS.	/	/
WL -CC'S.	DESILTER.	
pH	DUMPED 1½ GAL.	
SOLIDS %	PER MIN.	
	11 PPG.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	800#		
BENEX	1 SK		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
3	STB RMR OD	32.13	FT.
1	D.C. ID 7/8 OD	31.20	FT.
1	STB RMR 7 1/16 OD	7.96	FT.
24	D.C. ID 6 1/2 OD	695.14	FT.
	STB RMR OD		FT.
2	X-O SUBS	4.70	
28	STANDS DP	2628.70	FT.
	SINGLES DP		FT.
	KELLY DOWN	10	FT.
	TOTAL	3441.23	FT.
	WT. OF STRING	98M	LBS.

BIT RECORD

BIT NO.	3
SIZE	8 3/4
MFG.	SEC.
TYPE	M4NG.
JETS 1/32"	12 12 13
SER. NO.	91195
DEPTH OUT	
DEPTH IN	2982
TOTAL FTG.	429
TOTAL HRS. RUN	11½
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	8 PM	10 PM
WEIGHT	9.2	9.2
PRESSURE GRADIENT		
VISC.-SEC.	41	39
PV/YP	/	/
GELS.	/	/
WL -CC'S.	OUT PUT UNDERFLO	
pH	1¼ GAL PER MIN	
SOLIDS %	11.3 P.P.G	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
BENEX	2 SACKS		

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL—S PART'L P COMP'D C
2814	2982	168			75/110	48/50	850	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
12 00	4 30	4½		DRLG
4 30	5 30	1		REPAIR DRIVE ON AIR COMPRESSOR
5 30	6 00	½		DRLG
6 00	6 30	½		SURVEY & BLOW KELLY
6 30	8 00	1½		HOIST F/ BIT #2.

DRILLER J. Sharp

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 SCL—S PART'L P COMP'D C
2982	3096	114			75	45	850	5½	64			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2982	2°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼		FINISH TRIP OUT
8 15	8 30	¼		RIG SERV + TOPU
8 30	9 15	¾		RUN IN W/ [redacted] DRILL COLLARS
9 15	9 45	½		SLIP + CUT DRILL LINE
9 45	11 15	1½		RUN IN W/ BIT #3
11 15	12 30	1¼		BREAK CIR. - CLEAN 80' TO BTM
12 30	4 00	3½		DRLG.

DRILLER L. Kyke

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 SCL—S PART'L P COMP'D C
3096	3411	315			75	45	1850	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
4 00	12 00	8		DRLG.
				MATTSON, HARSTAD & TOMCZAK 4 HRS ON GARAGE

DRILLER L. Mattson

DRILLING CREW PAYROLL DATA

DATE: Dec 1/71
WELL NAME & NO.: AQUIT K03
COMPANY: PETROLIA
TOOL PUSHER: D Barker — RIG NO.: 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. STACEY	8
MTRMAN		J. SHARP	8
FIREMAN			
FLRMAN		A. COUSINS	8
FLRMAN		H. OSTENARD	8
FLRMAN		P. HOFER	8½
		P. HOFER ASST SAMPLE CATCHER	
		C.S.	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. KYKE	9
DRKMAN		D. KELLINER	9
MTRMAN		O. HESENAULT	9
FIREMAN			
FLRMAN		R. SAVARD	9
FLRMAN		E. MASSIA	8½
FLRMAN			
		OVERTIME	
		PUT UP MUD	
		HOUSE	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	12
DRKMAN		E. HARSTAD	12
MTRMAN		F. TOMCZAK	12
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN		E. MASSIA	4
		6-5	
		E. MASSIA - ASST SAMPLE CATCHER	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MACKENZIE HESS	K-03	DO DO CANYON	DEC 6/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. Schuh		D. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D-500	16
2	EMSCO	DA-500	16

LOCATION

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		

DEPUTY REGIONAL DIRECTOR
CONSERVATION ENGINEER
DEC 21 1971
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

DRILLING CREW PAYROLL DATA

DATE DEC 6/71
WELL NAME & NO. AQUIT K-03
COMPANY PETROLIA
TOOL PUSHER D. Barker — RIG NO. 7

MORNING TOUR — 12 P.M. — 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		K. COUSINS	8
FLRMAN		H. OSTGAARD	8
FLRMAN		F. DIRK	4
		R. SAVARD	4

DIRK & SAVARD — ASST SAMPLE CATCHER — 4 HRS. EACH

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAY TOUR — 8 A.M. — 4 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		E. MASSIA	8
FLRMAN		K. COUSINS	4
		CATCHING SAMPLES E.E.	

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	10
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8 E.
FLRMAN		H. OSTGAARD	3
		ASSIST SAMPLE CATCHER E.E.	

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	7 1/4	3 3/4	3 1/4
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS		4 1/4	3 1/2
7	LUBRICATE RIG		1/4	
8	REPAIR RIG			1 1/4
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	1/2	1/2	
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	W.O. RECORDER			
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				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		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
20	D.C. ID	OD	579.66 FT.
1	STB RMR	OD	15.00 FT.
2	TOOL SUB		4.70 FT.
	STANDS DP		1783.80 FT.
1	SINGLES DP		2.37 FT.
	KELLY DOWN		FT.
	TOTAL		2455 FT.
	WT. OF STRING		62 KLBS

BIT RECORD

BIT NO.	1	
SIZE	8 3/4	
MFG.	SMITH	
TYPE	SDT	
JETS 1/32"	12 12 13	
SER. NO.		
DEPTH OUT		
DEPTH IN	1008	
TOTAL FTG.	1447	
TOTAL HRS. RUN	16 1/4	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	/

MUD RECORD

TIME	7:00	4:00	7:00
WEIGHT	9.3	9.3	9.4
PRESSURE GRADIENT			
VISC.-SEC.	30	32	34
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH			
SOLIDS %			9.2

UNDER FLOW

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3.500		
BENEX	7 SAX		

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SURVEYS PART'L P COMP'L C
1989	2455				52/120	40	1100	5 1/2	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2419	1°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1230	1/2		DRLG
1230	1245	1/4		SURVEY
1245	730	16 3/4		DRLG
730	800	1/2		WORKED ON HYDRAMATIC DECKED RECORDER

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
	STB RMR	OD	FT.
20	D.C. ID	OD	579.66 FT.
1	STB RMR	OD	15.00 FT.
2	SUBS		470 FT.
	STANDS DP		1972.63 FT.
	SINGLES DP		FT.
	KELLY DOWN		41.40 FT.
	TOTAL		2613.39 FT.
	WT. OF STRING		84,000 LBS.

BIT RECORD

BIT NO.	1	2
SIZE	8 3/4	8 3/4
MFG.	SMITH	SMITH
TYPE	SDT	SDGH
JET 1/32"	12 12 13	12 12 13
SER. NO.	HN088	HC501
DEPTH OUT	2613	
DEPTH IN	1008	2613
TOTAL FTG.	1605	
TOTAL HRS. RUN	19 1/4	
COND. 1/8's T/B/ GAGE	5 4	
GPM/ PD-PSI	/	/

MUD RECORD

TIME	9:30		
WEIGHT	9.4		
PRESSURE GRADIENT			
VISC.-SEC.	32		
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	28 SKS		
Rennix	5 SKS		

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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SURVEYS PART'L P COMP'L C
2455	2613	158			80	40	1100	5 1/2	60			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2518	1 1/2°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	930	1 1/2		DRLG
930	1000	1/2		CIRC + SURVEY @ 2518
1000	1130	1 1/2		DRLG.
1130	200	2 1/2		BLOW KELLY + TRIP F/BIT HOLE TIGHT
200	215	1/4		RIG SERV. + T.I.P ✓
215	400	1 3/4		PICK UP PUP COLLAR + 2 STRNS STAB + MAKE UP SAME

DRILLER L. Ryks

DRILLING ASSEMBLY (At end of tour)

NO.			FT.
	BIT		FT.
3	STB RMR	OD	32.13 ~~24.08~~ FT.
1	D.C. ID 7 1/8	OD	31.20 FT.
1	STB RMR 7 11/16	OD	7.96 FT.
24	D.C. ID	OD	695.14 FT.
	STB RMR	OD	FT.
2	XO SUB		4.70 FT.
22	STANDS DP		2033.13 FT.
	SINGLES DP		FT.
	KELLY DOWN		10 FT.
	TOTAL		2845.66 FT.
	WT. OF STRING		95 KLBS

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	SM.
TYPE	SDGH
JETS 1/32"	12 12 13
SER. NO.	HC501
DEPTH OUT	
DEPTH IN	2613
TOTAL FTG.	201
TOTAL HRS. RUN	3 1/4
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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SURVEYS PART'L P COMP'L C
2613	2814	201			73/110	50	1400	5 1/2	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
400	515	1 1/4		RUN IN DRILL COLLARS & PICK UP 5 MORE.
515	630	1 1/4		WORK ON HYDROMATIC.
630	845	2 1/4		FINISH IN CLEAN 120' SOFT SHALE TO BTM.
845	1200	3 1/4		DRILL 8 3/4 HOLE.

DRILLER L. Mattson

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MARIN AM HESS	K03	DD DD CANYON K03	DEC 5/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. Leonard		D Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D-500	16
2	EMSCO	DA 500	16

LOCATION

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

F... CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE DEC 5/71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER D Barker — RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	9
DRKMAN		A. TRACEY	9
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		K. COUSINS	8.
FLRMAN			

Shaper Tracey shr. setting up radio antenna for Aquitaine

C.E.

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		L. RYAS	8
DRKMAN		D. KELLHER	8
MTRMAN		C. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		F. MASSIA	12
FLRMAN			

assist in catching samples & S.S.

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN		H. OSTGAARD	4
		OSTGAARD 4 HRS	
		ASST - SAMPLE CATCHER. C.E.	

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN EDMONTON

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			7 3/4
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			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.			
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

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.
20	STB RMR	OD	579.66 FT.
1	D.C. ID	OD	15.00 FT.
2	STB RMR 6 3/4	OD	15.00 FT.
	XO SUB		4.90
4	STANDS DP		FT.
1	SINGLES DP		31.50 FT.
	KELLY DOWN		FT.
	TOTAL		1048.44 FT.
WT. OF STRING	12		LBS.

BIT RECORD

BIT NO.	1
SIZE	8 3/4
MFG.	SMITH
TYPE	SDT
JETS 1/32"	11 11 12
SER. NO.	
DEPTH OUT	
DEPTH IN	1008
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.-S PART.-P COMP.-C
1008												

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
12^00	12^30	1/2		PRESSURE TEST BLIND RAMS TO 1000 PSI HELD OK.
12^30	6^00	5 1/2		RIG SHAKE HOSE & LOAD NIPPLE & FLOW LINE
				REPAIR SHAKE SHAKER
6^00	8^00	2.		PICK UP COLLAR & RIH IN TO
				PRESSURE TEST PIPE RAMS & HYDRIL

DRILLER W. Sharp

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
20	D.C. ID	OD	579.66 FT.
1	STB RMR 8 3/4	OD	15.00 FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
2	XO SUB		4.70
5	STANDS DP		470.71 FT.
1	SINGLES DP		31.49 FT.
	KELLY DOWN		41.40 FT.
	TOTAL		1142.95 FT.
WT. OF STRING	65,000		LBS.

BIT RECORD

BIT NO.	1
SIZE	8 3/4
MFG.	SMITH
TYPE	SDT
JET 1/32"	12 12 13
SER. NO.	
DEPTH OUT	
DEPTH IN	1008
TOTAL FTG.	134
TOTAL HRS. RUN	1/4
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

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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SOL.-S PART.-P COMP.-C
1008	1142	134			50/120	45	1300	5 1/2	72			

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
8^00	10^00	2		PRESS TEST HYDRIL TO 1000# F/15 MIN OK
10^00	12^00	2		PRESS TEST PIPE RAMS TO 1000# F/15 MIN OK
12^00	2^45	2 3/4		DRILL OUT FLOAT - CEMENT + SHOE
2^45	4^00	1 1/4		TRIP F/ PLUGGED BIT
				DRLG 8 3/4 H HOLE

DRILLER L. Lyke

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
20	D.C. ID	OD	579.66 FT.
1	STB RMR 8 3/4	OD	15.00 FT.
	D.C. ID	OD	FT.
	STB SMR	OD	FT.
2	XO SUB		4.70
14	STANDS DP		1315.62 FT.
1	SINGLES DP		31.40 FT.
	KELLY DOWN		41.40 FT.
	TOTAL		1987.78 FT.
WT. OF STRING	72		LBS.

BIT RECORD

BIT NO.	1
SIZE	8 3/4
MFG.	SM
TYPE	SDT
JETS 1/32"	12 12 13
SER. NO.	
DEPTH OUT	
DEPTH IN	1008
TOTAL FTG.	
TOTAL HRS. RUN	9
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	10^00
WEIGHT	8.9
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. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SOL.-S PART.-P COMP.-C
1142	1987	845			83/120	45	1450	5 1/2	72			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1518	7/8							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4^00	6^45	2 3/4		DRILL 8 3/4 HOLE
6^45	7^00	1/4		SURVEY
7^00	12^00	5		DRILL.

DRILLER L. Mattson

Form 3T5 — APPROVED — APPROVED — A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM — PETROLIA OILWELL DRILLING LTD. — APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AM HESS	K03	DE PO CANYON K03	DEC 4/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. Schoch		D Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LOCATION

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

DEC 21 1971 — YELLOWKNIFE, N.W.T. — DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — NORTHERN ECONOMIC DEVELOPMENT BRANCH

DRILLING CREW PAYROLL DATA

DATE DEC 4/71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER D Barker — RIG NO. 7

MORNING TOUR — P.M. 8 — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. DACEY	8
MTRMAN		P. SHARP	8
FIREMAN			
FLRMAN		H. OSTGARD	8
FLRMAN		K. POSSIN	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		L. YUKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		E. MACEIA	8
FLRMAN			

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	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			
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	8		
14.	NIPPLE UP B.O.P.		8	
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				

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) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JETS 1/32"	
DD	D.C. ID OD	579.66 FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's 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.

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JET 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's 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.

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JETS 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR CD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8's 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.

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 SCI-S PARTIAL-P COMPLE-C
1008												

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	600	6		W.O.C. & CLEAN UP.

DRILLER W Sharp

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 SCI-S PARTIAL-P COMPLE-C
1008												

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
600	400			W.O.C. HEAD UP
				WORK ON PUMPS

DRILLER L. Yuks

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 SCI-S PARTIAL-P COMPLE-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
400	1200	8		FINISH HEADING UP STRING FLARE LINE & RIG TO PRESSURE TEST
				Install New pipe rams & winterize Sub.

DRILLER G. Mattson

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL - AM HESS	K03	DD 80 PANGNIRTUNG K03	DEC 21/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
E. Schaub			

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	EMSCO	DA AND	16

LOCATION

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		

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN SERVICE — FIELD OPERATIONS BRANCH

DRILLING CREW PAYROLL DATA

DATE Dec 3/71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER — RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		E. SCHARF	16
DRKMAN		P. STREET	16
MTRMAN		A. SHARP	16
FIREMAN			
FLRMAN		K. COUSINS	16
FLRMAN		R. SAJARD	
FLRMAN			

Mm stayed over to run csg - E.S.

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8 A.M. 4:20 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	13
DRKMAN		D. KELLNER	13
MTRMAN		A. ARSENAULT	14
FIREMAN			
FLRMAN		R. SAJARD	16
FLRMAN		F. MASSIA	13
FLRMAN			

Mm stayed over to run csg + cement - E.S.

NO. OF DAYS — SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. — P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		C. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	12
FLRMAN		B. DIRK	8
FLRMAN			

Stay over to run cement E.S.

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	3½		
3.	REAMING			
4.	CORING			
5.	~~CONDITION MUD~~ & CIRCULATE	3½		
6.	TRIPS	1		
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			
	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.
16	D.C. ID	OD 5⅞	519.66 FT.
	STB RMR	OD	FT.
1	B. SUB	2.38	
2	XO SUB	4.70	
11	STANDS DP	417.58	FT.
1	SINGLES DP	3.15	FT.
	KELLY DOWN	31	FT.
	TOTAL	1035	FT.
WT. OF STRING		64 M	LBS.

BIT RECORD

BIT NO.	1H
SIZE	12 ¼
MFG.	HN
TYPE	OJC3
JETS 1/32"	20 20 20
SER. NO.	22646
DEPTH OUT	1008
DEPTH IN	79
TOTAL FTG.	939
TOTAL HRS. RUN	23¼
COND. 1/8's T/B/ GAGE	/ /
GPM/ PD-PSI	/ /

MUD RECORD

TIME	2:00	4:00
WEIGHT		8.8
PRESSURE GRADIENT		
VISC.-SEC.	45	75
PV/YP	/	/
GELS.	/	/
WL -CC'S.		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	10	SAL	
QUICK SEAL	10 SAK		

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
20	D.C. ID	OD 5⅞	519.66 FT.
	STB RMR	OD	FT.
1	BIT SUB	2.38	
2	XO SUBS	4.70	
4	STANDS DP	417.58	FT.
2	SINGLES DP	31	FT.
	KELLY DOWN	1035	FT.
	TOTAL	64	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.
20	D.C. ID	OD 5⅞	579.66 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
2	XO SUB	4.70	
4	STANDS DP	417.58	FT.
1	SINGLES DP	31.50	FT.
	KELLY DOWN	16	FT.
	TOTAL	1033.44	FT.
WT. OF STRING		64	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. RM. CORE..C	CORE NO.	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 SCL. PART'L P COMP'D C
932	1008	76		120	20	600	5½	68			

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
12 00	1 05	1		TRIP IN W/ BIT
1 00	1 15	1/4		BLOW KELLY & WALK TO RIG NO FILL
1 15	4 45	3½		DRLG 12¼ H.F.
4 45	8 00	3¼		CIRC & WORK ON HALLIBURTON CEMENTERS

DRILLER E. Schaub

DAY TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR. RM. CORE..C	CORE NO.	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 SCL. PART'L P COMP'D C
1008											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1008	3/4°							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	9 15	1¼		CIRC & WORK ON CEMENTER
9 15	10 15	1		DROP SURVEY & HOIST TO RUN CSG.
10 15	11 15	1		PREPARE TO RUN CSG.
11 15	4 00	4¾		RUN 27 JTS 9⅝" CSG (NEW)

Ran 27 jts, 1009' 9⅝ 36# J-55 R-3 STAC Seamless csg Landed @ 1008' K.B. Cemented w/ 550 sx Class G 2% CaCl2 plug down 7:30 p.m.

DRILLER L. Ryks

EVENING TOUR

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

FROM	TO	DR. RM. CORE..C	CORE NO.	ROTARY RPM	WT. ON 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. 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
4 00	6 00	2		CIRC TO CEMENT
6 00	7 00	1		CEMENT SURFACE PIPE
7 00	9 00	2		N/U B.O.P. & SET SLIPS
9 00	12 00	3		CUT CASING & HEAD UP.

DRILLER C. Mattson

FORM 3T5 — APPROVED — APPROVED — A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM — PETROLIA OILWELL DRILLING LTD. — APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AMOCO	K03	PO PO CANYON K03	DEC 3/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
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

LOCATION

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

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

DRILLING CREW PAYROLL DATA

DATE Dec 2/71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER _____ RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN	3¼		
2. DRILL ACTUAL	5¼	3½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE		2	
6. TRIPS			
7. LUBRICATE RIG	¼		
8. REPAIR RIG	¾		
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1¼	½	
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.			
A. PERF'R'TN			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

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		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
20	D.C. ID	6¼ OD	518.66 FT.
	STB RMR	OD	FT.
	SUB.		7.08
1	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	✓	FT.
	TOTAL	690	FT.
WT. OF STRING		58	LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	H.W.
TYPE	OSC-3
JETS 1/32"	CON
SER. NO.	22646
DEPTH OUT	
DEPTH IN	79
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	1.00	3.00	7.00
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.	32	40	50
PV/YP	/	/	/
GELS	/	/	/
WL --CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	200#		
CAUSTIC	100#		
GYP DUST	15 SAX		

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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCHL'S PARKER-P COMPUTE
424	690	266			120	25	350	5½	68			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
514	¾°	598	¾°			690	1°	

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	200	2		DRLG 12¼ HOLE 730 TO 800 SURVEY
200	215	¼		RIG SER
215	330	1¼		SURVEY
330	330	1½		DRLG.
330	415	¾		DOCK ON P.A. 500 PUMP CLEAN OUT VALVES.
415	500	¾		DRLG
500	530	½		SURVEY
530	730	2		DRLG.

DRILLER L. Sharp

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	KELLY	41.40	
	STB RMR	OD	FT.
20	D.C. ID	OD	579.66 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
1	BELL	2.38	
2	XO SUB	4.70	
3	STANDS DP		282.95 FT.
	SINGLES DP		FT.
	KELLY DOWN		30.31 FT.
	TOTAL	900	FT.
WT. OF STRING		60000	LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	H.W.
TYPE	OSC-3
JET 1/32"	Conv
SER. NO.	22646
DEPTH OUT	
DEPTH IN	79
TOTAL FTG.	831
TOTAL HRS. RUN	19
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	11.00	3.00	
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.	70	50	
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	200#		
CAUSTIC	200#		
SAWDUST	50 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. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCHL'S PARKER-P COMPUTE
690	900	210			120	18-20	350	5½	68			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
753	1		847	¾				

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1000	2		MIX GEL & SAWDUST - BUILD VOLUME
1000	1145	1¾		DRLG.
1145	1200	¼		SURVEY @ 753 RIG SERV - BOP
1200	215	2¼		DRLG.
215	220	¼		SURVEY @ 847
220	400	1½		DRLG

DRILLER L. Ryke

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
20	D.C. ID	OD	579.66 FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
1	B. SUB	2.38	
2	XO SUB	4.70	
3	STANDS DP		283.15 FT.
1	SINGLES DP		31.13 FT.
	KELLY DOWN		31 FT.
	TOTAL		942.22 FT.
WT. OF STRING		62	LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	H.W.
TYPE	OSC-3
JETS 1/32"	CON
SER. NO.	22646
DEPTH OUT	
DEPTH IN	79
TOTAL FTG.	863
TOTAL HRS. RUN	19¾
COND. 1/8" T/B/ GAGE	
GPM/ PD--PSI	/

MUD RECORD

TIME	9.30		
WEIGHT	59		
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL --CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4300#		
SAWDUST	18 SACK		
CAUSTIC	150#		

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 PARKER-P COMPUTE
900	932	32			120	20	450		70			

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
400	415	¼		RIG SERVICE.
415	500	¾		DRILL. - LOSING MUD TO FORMATION
500	1000	5		BUILD VOLUME & MIX GEL.
1000	1200	2		DUMMY TRIP STRAP OUT.

STRAP TALLY 944.06
DRILLER TALLY 942.22
1.84

DRILLER L. Mattson

DRILLING CREW PAYROLL DATA

DATE Dec 2/71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER _____ RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		K. COUSINS	8
FLRMAN		R. SAVARD	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		L. RYKE	8
DRKMAN		D. KELLNER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8½
FLRMAN		F. MASSIA	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		F. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	12
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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT REPORT NO.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — DEC 21 1971 — YELLOWKNIFE, N.W.T.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AM HESS	K-3	DO DO CANYON K-3	DEC 1/71
OPERATOR		CONTRACTOR	RIG NO.
AQUITAINE		PETROLIA OILWELL DRLG	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
D Moore		D Barker	

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

LOCATION

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

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 DEC 1/71
WELL NAME & NO. AQUIT K-3
COMPANY PETROLIA
TOOL PUSHER D Barker RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		D. SHARP	8
FIREMAN			
FLRMAN		K. COUSINS	8
FLRMAN			
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		L. RUKS	8
DRKMAN		D. KELLIHER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARO	8
FLRMAN		F. MASSIA	8
FLRMAN			

DRILLER L. Ruks

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

EVENING TOUR P.M. P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN			
FLRMAN		P. HOFER	16
FLRMAN		B. DIRK	

DRILLER G. Mattson

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			3/4 6 1/4
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			1/4
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.			
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

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.			FT.	BIT RECORD	
	BIT		FT.	BIT NO.	1A
				SIZE	12 1/4
	STB RMR	OD	FT.	MFG.	HW
2	D.C. ID 7"	OD 62.38	FT.	TYPE	OSC3
	STB RMR	OD	FT.	JET 1/32"	C O N
	D.C. ID	OD	FT.	SER. NO.	22646
	STB RMR	OD	FT.	DEPTH OUT	
1	Bell Sub	2.38		DEPTH IN	79
2	XO Subs	4.70		TOTAL FTG.	31
	STANDS DP		FT.	TOTAL HRS. RUN	1
	SINGLES DP		FT.	COND. 1/8's T/B/ GAGE	
	KELLY DOWN	41.40	FT.	GPM/ PD-PSI	
	TOTAL	110.86	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.
Gel	1500		
Caustic	150		
Sawdust	32 50#		

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.			FT.	BIT RECORD	
	BIT		FT.	BIT NO.	1A
				SIZE	12 1/4
	STB RMR	OD	FT.	MFG.	HW.
5	D.C. ID 7"	OD 153.93	FT.	TYPE	OSC-3
	STB RMR	OD	FT.	JETS 1/32"	C O N
9	D.C. ID 6 1/4	OD 249.91	FT.	SER. NO.	22646
	STB RMR	OD	FT.	DEPTH OUT	
1	Bell Sub	2.38		DEPTH IN	79
2	XO Sub	4.70		TOTAL FTG.	345
	STANDS DP		FT.	TOTAL HRS. RUN	7 3/4
	SINGLES DP		FT.	COND. 1/8's T/B/ GAGE	
	KELLY DOWN	15	FT.	GPM/ PD-PSI	
	TOTAL	452.32	FT.		
WT. OF STRING		52	LBS.		

MUD RECORD

TIME	10 00
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	36
PV/YP	
GELS	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#		
Gel	1400#		

MORNING TOUR

FOOTAGE / DEVIATION RECORD

FOOTAGE FROM	FOOTAGE 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 SURVEYS PARTIAL OR COMPLETE
	KB to GL	17										
GL		995										
	KB Elev	1012'										

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
1800	2000	2		RIG RAT HOLE.
2000	0600	4		RIG MOUSE HOLE.
0600	0800	2		RIG UP FLOW NIPPLE FLOW LINE
				PICK UP BELL SUB XO SUB &
				COLLAR TO DRLG 12 1/4 HOLE
				14' Stick up on RAT hole

DRILLER K. Cousins

FOOTAGE / DEVIATION RECORD

FOOTAGE FROM	FOOTAGE 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 SURVEYS PARTIAL OR COMPLETE
79	110	31			110					5X		

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
800	815	1/4		Rig Serv. & BOP ✓
815	1000	1 3/4		Rig to Spud
1000	1100	1		Drill 12 1/4" Hole to 110 - Lost Circ.
1100	500	5		Mix Gel & Sawdust & Build Vol.

DRILLER L. Ruks

DAY TOUR

FOOTAGE / DEVIATION RECORD

FOOTAGE FROM	FOOTAGE 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. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SURVEYS PARTIAL OR COMPLETE
110	424	324			110	8-30	300	5 1/2		5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
110	1/2		202	7/8		288	1 1/4	

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	1/4		Rig Service.
415	530	1 1/4		Drill. 1145-1200 1/4 Survey @ 396 - 1/2°
530	545	1/4		Survey.
545	645	1		Drill.
645	700	1/4		Survey
700	900	2		Drill.
900	915	1/4		Survey
915	1145	2 1/2		

DRILLER G. Mattson

EVENING TOUR

FORM 3T5 APPROVED APPROVED

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

PETROLIA OILWELL DRILLING LTD.

APPROVED APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AM HESS	K03	PO PO CANYON K03	NOV 30/71
OPERATOR		**CONTRACTOR**	**RIG NO.**
AQUITAINE		PETROLIA OILWELL DRLG.	7
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
D C Moon		J. Barker	

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LOCATION

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 Nov 30/71

WELL NAME & NO. AQUIT K03

COMPANY PETROLIA

TOOL PUSHER _____ RIG NO. 7

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		K. POULSEN	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			
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'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.				

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'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.				

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'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 FROM / TO — DR–D RM–R CORE–C — CORE NO. — **FORMATION** (SHOW CORE RECOVERY) — ROTARY RPM — WT. ON BIT 1000# — PUMP PRESS — PUMP NO. LINER SIZE / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SOLS PARAFF CONTROL

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	300	3		D.C. OUT PUMP
300	530	3½		CUT CSG & WELD PANEL
530	800	1½		HELD UP BOPS

DRILLER J. Sharp

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 / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SOLS PARAFF CONTROL

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	200	6		HEAD UP
200	300	1		WORK ON ACCUMULATOR LINES
300	400	1		RIG TO DRILL RAT HOLE
				CHECK BLIND RAMS + HYDRIL FROM REMOTE (OK)

DRILLER L. Ryks

DRILLING CREW PAYROLL DATA

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		L. RYKS	8
DRKMAN		D. KELLNER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		F. MASSIA	8
FLRMAN			

NO. OF DAYS _____ 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. LINER SIZE / S.P.M. — PUMP NO. LINER SIZE / S.P.M. — METHOD RUN SOLS PARAFF CONTROL

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

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	1200	8		RIG TO DRILL RAT HOLE & DRILL SAME

DRILLER G. Mattson

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFER	8
FLRMAN		B. DIRK	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
AQUIT MOBIL AM HESS	K03	PO PO CANYON K03	NOV 29/71

OPERATOR	CONTRACTOR	RIG NO.
AQUITAINE RESF CANADA LTD.	PETROLIA OILWELL DRLG	7

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
D C Moore	D. Barker

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

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LOCATION

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 NOV 29/71

WELL NAME & NO. AQUIT, K03

COMPANY PETROLIA

TOOL PUSHER D. Barker — RIG NO. 7

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.				
Z.				
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)

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.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JETS 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
1	AUGER 24" x 3/16"		DEPTH IN	
			TOTAL FTG.	
	STANDS DP	FT.	TOTAL HRS. RUN	
2	SINGLES DP	58.10 FT.	COND. 1/8" s T/B/ GAGE	
	KELLY DOWN	20.00 FT.	GPM/ PD-PSI	
	TOTAL	99.10 FT.		
	WT. OF STRING	20 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

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-P COMP-C
63'	79'	16										

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
800	1215	1/4		RIG SERVICE
1215	645	6 1/2		BORE CONDUCTOR HOLE
645	800	1 1/4		BREAK DOWN AUGER.

DRILLER

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		H. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTGAARD	8
FLRMAN		K. COUSINS	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		L. RYAS	8
DRKMAN		D. KELLNER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		F. MASSIA	8
FLRMAN			

DAY TOUR

DRILLING ASSEMBLY (At end of tour) — BIT RECORD

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD	
	BIT	FT.	BIT NO.	
			SIZE	
	STB RMR OD	FT.	MFG.	
	D.C. ID OD	FT.	TYPE	
	STB RMR OD	FT.	JET 1/32"	
	D.C. ID OD	FT.	SER. NO.	
	STB RMR OD	FT.	DEPTH OUT	
			DEPTH IN	
			TOTAL FTG.	
			TOTAL HRS. RUN	
	STANDS DP	FT.	COND. 1/8" s 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.

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 SOL-S PART-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
800	1030	2 1/2		BREAK DOWN AUGER. pipe + Lay Kelly
1030	400	5 1/2		RUN COND. PIPE + CEMENT SAME W/ 120 SKS. (PERMAFROST) CEMENT.
				Ran 2 Jts 13 3/8" 54.5# K-55 Csg (insulated) 80' Landed @ 79' K.B. Cemented w/ 120 sacks Permafrost Cement + 15 Sacks of Calwell Cement

DRILLER L. Ryas

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F. TOMCZAK	8
FIREMAN			
FLRMAN		P. HOFFER	8
FLRMAN		B. DIRK	8
FLRMAN			

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 SOL-S PART-P COMP-C
				Cement in @ 4:00 P.M. Nov/29/71								

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
400	1200	8		W.O.C. REEL SANDLINE. RIG TO HEAD UP dig cellar.

DRILLER

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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Aquit Mobil Amhess DeDe	K-03	De De Canyon K.03	Nov 28
OPERATOR Canyon Aquitaine Co of Canada LTD		CONTRACTOR Petrolia Drlg	RIG NO. 7
SIGNATURE OF OPERATOR'S REPRESENTATIVE D. E. Moore		SIGNATURE OF CONTRACTOR'S TOOL PUSHER D Baker	

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

LOCATION

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 Nov 28 / 21

WELL NAME & NO. Aquit DeDe Canyon K-03

COMPANY ~~Aquitaine Co of Canada LTD~~

TOOL PUSHER D Baker RIG NO. 7

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN		7¾	
2	DRILL ACTUAL			
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			
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	BORING		7¾	
22				
23				
COMPLETION A	PERF'R'T'N			
COMPLETION B	TBG TRIPS			
COMPLETION C	TREATING			
COMPLETION D	SWABBING			
COMPLETION E	TESTING			
COMPLETION F	ADDIT'N'L			
COMPLETION G				
	TOTALS	8		8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.

HRS. W/COMP. 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" 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 COM'PL-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
MN	12:15	1¼		Rig Service
12:15	8:00	7¾		Pick Swivel & Kelly & Ric To Bore Conductor Hole.

DRILLER L. Sharp

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" 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 RUN SCL-S PART'L-P COM'PL-C
0	40											

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
8:00	10:00	2		Bore Conductor Hole
10:00	11:00	1		Rig Service + Work on Airlines
11:00	4:00	5		Bore Cond Hole K.B - 40'
				K.B To Gnd Elv 17.00'
				Spud Conductor hole @ 8:00 AM NOV 28/21

DRILLER L. Ryks

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. SHARP	8
DRKMAN		A. TRACEY	8
MTRMAN		A. SHARP	8
FIREMAN			
FLRMAN		H. OSTBERG	8
FLRMAN		K. COUSINS	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		L RYKS	8
DRKMAN		D. KELLNER	8
MTRMAN		O. ARSENAULT	8
FIREMAN			
FLRMAN		R. SAVARD	8
FLRMAN		E. MASSIA	8
FLRMAN			

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.
1	AUGER (24") - 3		
	STANDS DP		FT.
1	SINGLES DP	30.00	FT.
	KELLY DOWN	29.00	FT.
	TOTAL		FT.
	WT. OF STRING	20	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.

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 COM'PL-C
40	63	23			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
4:00	5:00	1		Bore Cond Hole.
5:00	5:15	¼		Rig Service.
5:15	12:00	6¾		Bore Cond. Hole.

DRILLER L. Martin

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

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		G. MATTSON	8
DRKMAN		E. HARSTAD	8
MTRMAN		F TOMCZAK	8
FIREMAN			
FLRMAN		P HOFER	8
FLRMAN		B. DIRK	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

PETROLIA OILWELL DRILLING LTD.

APPROVED — APPROVED