



Well Name Nom du puits	Aquit Highland L K-42		Drilling Authority No. Autorisation de forage n°	649
Field/Area Champ/Region	Highland Lake		Date issued Date d'émission	Jan. 8, 1973
Location Emplacement	Unit Unité	Section	Permit or Lease 4413	
	K-12-62-40-122-15			
Latitude 62°31'39.87"		Longitude 122°23'36.18"		
U.W.L.R. N.R.U.E.P. 62.52775 -- 122.39338				
U.W.L. No. N.I.P. No. 300K426240122150				
File Microfilmed				
Tour Sheets, Microfilmed			Rig. Release Date Date de transfert de la tour de forage	March 1, 1973
			Status Statut	D + A
			Information Release Date Date de publication autorisée des informations	March 1, 1975

CHANGE OF NAME:
CHANGEMENT DE NOM:Change of Location
Changement de emplacement

INDEX	DATE RECEIVED RECU LE		INDEX
Application for a Drilling Authority	15-01-73	K	Demande d'autorisation de forage
Well Completion Data	10-09-73	K	Renseignements sur le forage d'un puits
Well History Report	10-09-73	K	Données chronologiques sur le puits
Application to Amend a Drilling Authority	30-04-73	K	Demande de modification d'une autorisation de forage
Application to Change a Well Name			Demande de changement du nom d'un puits
Application to Abandon a Well or Suspend Drilling	10-09-73	K	Demande d'abandon d'un puits ou de suspension du forage
Application to Alter Condition of a Well			Demande d'autorisation de modifier l'état d'un puits
Well History Supplement			Supplément aux données chronologiques sur le puits
Well Completion Data			Renseignements sur le forage d'un puits
Work-Over Report No.			Rapport de reconditionnement n°
Application to Commingle Production before Measurement			Demande d'autorisation de mélanger la production avant jaugeage
Data for Back Pressure Test on Natural Gas Wells			Données de calcul de la capacité de production d'un puits de gaz naturel — Méthode graphique n° 7
Data for Back Pressure Test on Natural Gas Wells			Données de calcul de la capacité de production d'un puits de gaz naturel — Méthode de Vitter
M.P.R. — Oil — Calculations			Calcul du T.M.P. (Taux maximal de production) de pétrole
New Oil Well Report			Rapport sur un nouveau puits de pétrole
New Gas Well Report			Rapport sur un nouveau puits de gaz naturel
Well Inspection Report			Rapport d'inspection de l'emplacement d'un puits
Rig Inspection Report	15-02-73	K	Rapport d'inspection d'une tour de forage
Battery Inspection Report			Rapport d'inspection d'une batterie de puits
Equipment Report			Rapport d'inspection des compteurs
Well Card	16-9-73	K	Fiche de puits
New Service Well Report			Rapport sur un nouveau puits de service
Strat Service Logs			Rapport mensuel des injections d'eau
Logs — Large scale			Diagrammes: Grande échelle
Logs — Small scale			Diagrammes: Petite échelle

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 649
N° de l'autorisation de forage
Date issued Jan. 8/73
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 Highland L K-42		Permit No. - N° de permis 4413	Lease No. - N° de concession
(Permitter, License, Lessee) - (Détenant de permis ou de licence, du concessionnaire) Aquitaine Company of Canada Ltd.		Exploratory Licence No. - N° de licence de sondage 1974	
(Operator) - (Exécutant) Aquitaine Company of Canada Ltd.		Exploratory Licence No. - N° de licence de sondage 1974	
LOCATION - EMPLACEMENT			
Unit - Unité K	Section 42	Grid - Étendue quadrillée 62-40, 122-15	Latitude 62° 31' 39.87"
Longitude 122° 23' 36.18"		Universal Well Location Reference - Références universelles d'emplacement du puits 62.52774° N. Lat. & 122.39338° W. Long.	
Unique Well Identifier - Code d'ordinateur 300K426240122150			

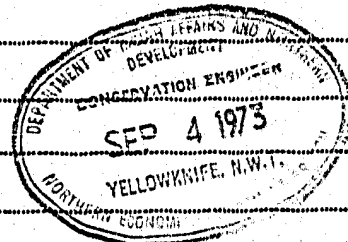
Date	Depth - Profondeur	Pool(s) Glissement(s)
Feb. 3/73		
Suspended Début des travaux		
Suspended Suspension des travaux		
Resumed Operations Reprise des travaux		
Finished Drilling Forage terminé	Feb. 25/73	3,849'
Deepened Approfondissement		
Complete (Gas/Oil) Achèvement (Gaz/Pétrole)		
Abandoned Abandon	Mar. 1/73	
Rig Released Fin des travaux	Mar. 1/73	

Interval(s) Open to Production
Intervalles de production

Elevation: Gr. **1172.5'** K.B. **1186'**
Altitude du sol du carré d'entraînement

Rig No. **4** Drilling Contractor **Guthrie McLaren**
N° de la tour de forage Entrepreneur en forage

Contractor's Business Licence No. **10895**
N° du permis de l'entrepreneur



Casing Size (Inches) Diamètre (en pouces)	Grade Qualité	Weight Poids	Amount Longeur	Set at - Fixation à	Sacks of Cement and Additives Sacs de ciment et d'additifs
1. 8-5/8"	K-55	24#	526'	540'	333 sax oilwell cement
2.					+ 3% CaCl₂
3.					Recemented from surface
4.					with 80 sax oilwell
5.					cement
6.					

Geological Tops Sommet des formations	Elevation - Profondeur		Core Record - Carottes				
	Depth Sous le niveau du sol	Sub-Sea Sous le niveau de la mer	From - de	To - à	Rec. Récupérées	From - de	To - à
Horn River	1,468'	- 282'	2,078'	2,086'	7'		
Nahanni	1,546'	- 360'	2,086'	2,108'	21.3'		
Headless	2,004'	- 818'	3,210'	3,225'	14.3'		
Landry	2,042'	- 856'	3,255'	3,263'	8'		
Manetoe	2,064'	- 878'					
Bear Rock Dol.	2,144'	- 958'					
Anh.	2,364'	-1,178'					
Ronning	3,134'	-1,948'					
Cambrian	3,740'	-2,554'					

Log Record - Diagrammes			
Run Série	Type of Log Genre de diagramme	From - De	To - à
1	DIL	3845	537
1	CNL/FDC	3847	1400
1	BHC-SGRC	3838	Surface
1	HDT	3847	537
1	SRS	3848	Surface

CEMENTING RECORD (Plug, Squeeze, etc.) CIMENTATION (Bouchon, sous pression, etc.)				PERFORATING RECORD (Bullet, Jet) PERFORATION (Balle, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.) ENTRETIEN (Acidification, fracturation, etc.)			
Date	From - de	To - à	Remarks - Remarques	Date	From - de	To - à	Remarks - Remarques	Date	From - de	To - à	Remarks - Remarques
Feb. 27	3849	3649	90 sacks								
Feb. 28	2265	1965	120 sacks (felt @ 1930)								
Feb. 28	1650	1447	80 sacks (felt @ 1400)								
Feb. 28	590	490	75 sacks (felt @ 470)								

DRILL STEM TESTS - ESSAIS AUX TIGES

No. - No	Date	Formation	From - de	To - à	V.O. Mins. Vanne ouverte (minutes)	I.S.I. Mins. remière obturation (minutes)	F.S.I. Mins. Obturation définitive (minutes)	I.S.I.B.H.P. Pression de fond à la fin de l'opération	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 définitive	Remarks - Remarques
1	Feb 27	Manetoe	2,110	2,153	80	60	90	654	Clock ran out	457	500	1068	Clock ran out	900' of fresh water cut & 150' of salty* water cut with trace of condensate.
								FIELD READINGS						* 19300 ppm by refracto- meter

ANALYSIS - ANALYSE				PRESENT STATUS OF WELL ETAT ACTUEL DU PUIT			
Lab. No. No de laboratoire	Sample Echantillon	From - de	To - à	Source	Remarks - Remarques	Oil Pétrole	Gas Gaz
E73-3213-8	Water	2,110'	2,153'	Manetoe	Muddy water with a light yellowish coloured filtrate		
G73-3213-9	Gas	2,110'	2,153'	Manetoe			
					xx Abandoned		

Company
Société

Aquitaine Company of Canada Ltd.

Signed by
Signé par

G. Kuhn de Chizeville, Drilling Superintendent

Title
Titre

Date August 30, 1973

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

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



Drilling Authority No. 649

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well ~~and 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. Highland L.K-42
Location: Unit... K... Section... 42... Grid... 62 - 40 - 122 - 15
Latitude... 62° 31' 39.87" Longitude... 122° 23' 36.18"
From Established Reference Marker...
Universal Well Location Reference... 62.52774°N Lat. & 122.39338°W Long.
Permit No. 4413 Lease No.

Aquitaine Company of Canada Ltd.
(Permittee, Licencee, Lessee)

Date of commencement of proposed program... February 28, 1973

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at N/A
Gas at N/A
Water at 2,110' - 2,153'
Total Depth... 3,849' Date of last operations Rtg. Released 400 hours March 1, 1973
Present condition of well Surface casing set at 540' - 7-7/8" open hole from surface casing to T.D.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 8-5/8"	24#	559'	540'	333 sacks - no returns	None pulled
2.				re-cemented w/ returns	
3.				w/ 80 sacks from	
4.				surface.	
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	3849' - 3649'	Ronning & Cambrian	70 sacks	Plug down 2215 2/27/73. No
2	2265' - 1965'	Nahanni Headless Landry		feel.
		Manetoe & Bear Rock	120 sacks	Plug down 0015 2/28/73. Felt
3	1650' - 1447'	Horn River & Nahanni	80 sacks	@ 1930'
4	490' - 590'	Surface Casing	75 sacks	PD-0920 2/28/73. Felt @ 1400
				PD 1830 2/28/73. Felt @ 470'

The following logs have been run... DIL, BHC-SGRC, HRD, SRS, SNL, FDC

Other operations proposed...

Operations to be carried out by Guthrie McLaren Drilling Contractor Licence No. 10895

Address 14630 - 119 Ave. Edmonton, Alta.

Responsible Agent in field L. Mullholland

Dated at CALGARY, Alberta, this 7th Day of March 1973

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

Title Drilling Superintendent Operator's Exploratory Licence No. 1974

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Dated 12-MAR-73, 1973 R.L. Price





Drilling Authority No. 649

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION



Application to Amend a Drilling Authority

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

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 649, concerning . Aquit. Highland L K-42
... Latitude . 62° 31' 39.87" Longitude 122° 23' 36.18"
(Name and Number of Well)

Reasons for the amendments: .. Upper formations encountered were deeper than anticipated .. in our prognosis, thus required deepening of the well from 3,500' to 4,000' ..

Dated at CALGARY, Alberta, this ... 23rd. day of ... April 19 .. 73

Signed by

Title G.. Kuhn. de. Chizelle, Drilling Superintendent

Company . Aquitaine Company of Canada Ltd. ..

(For Oil and Mineral Division use only)

APPROVED

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

FTD-3849'

Date 30-APR-73, 19

R. L. Price
District Conservation Engineer

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION
RIG INSPECTION REPORT

A. Name and number of Well: AQUIT HIGHLAND K-42 (62-40-122-15)
 Location: 62° 31' 40" N. 122° 23' 36" W. Drilling Authority No: 649
 Date of Inspection: Feb 15 / 73 Inspection No: 1
 Date of Previous Inspection: GUTHRIE MCLAREN DRILLING LTD
 Contractor: 2
 Rig No: 4 Date Spudded 3 FEB 1973
 Operation in Progress: Depth: 2574 Projected Total Depth: 3500
 Last Casing in the Hole: Surf Casing String 8 5/8 Size: 0.D. Depth set: 540ft.
 Liner:
 Toolpusher: H. Bamford Signature: H. Bamford
 Operator's Rep: L. Mulholland Signature: L. Mulholland
 Cons. Eng: G. B. Wood Signature: G. B. Wood

B. BLOWOUT PREVENTION EQUIPMENT

API Classification 900
 Stock Arrangement & Specifications Conform to those submitted with D.A. ☐ Yes ☒ No
 Present Arrangement of B.O.P. Stack: ☒ Satisfactory ☐ Unsatisfactory
 Description and location of Pressure Source and B.O.P. Controls: 40 Gal Hydri Accum
water + controls in generator shack - controls on rig floor
 Describe B.C.P. & Air Intake Shut-off Tests Witnessed BOPs + motor shut off's OK

C. MANIFOLD

Manifold Arrangement & Specifications Conform to those submitted with D.A. ☐ Yes ☒ No
 Present Arrangement of B.O.P. Stack: ☒ Satisfactory ☐ Unsatisfactory
 Working Pressure Rating of Manifold 3000 #

D. Satisfactory	Unsatisfactory	I T E M S	Category
☒	☐	1. Posting of Drilling Authority.	Drilling Authority & Report
☒	☐	2. Posting of warning signs (if in H ₂ S area) and no smoking signs.	
☒	☐	3. Recording of all required information in tour reports.	
☒	☐	4. B.O.P. equipment appears to be properly connected.	Blowout Prevention Equipment
☒	☐	5. B.O.P. equipment tested daily and tests recorded.	
☒	☐	6. Equipment was adequately pressure tested before drilling out casing shoe.	
☒	☒	7. B.O.P. equipment housed, ventilated & heated for winter operations.	
☒	☐	8. Bleed-off & kill lines adequate and properly tied down.	Fire Hazards
☒	☐	9. B.C.P. controls and accumulator adequately and properly located.	
☒	☐	10. Crew properly trained and capable of operating B.O.P. equipment.	
☒	☐	11. Engine shut-off controls installed and functional.	
☒	☐	12. Engine exhausts properly connected with required safety features.	Personnel Safety
☒	☐	13. Smoking regulation being observed.	
☒	☐	14. Boilers, electric generators, accumulator & fuel supplies at required distance from well and from each other.	
☒	☐	15. Flare pit, flare line & sump adequate and at required distance from well.	
☒	☐	16. Fire fighting equipment adequate and maintained.	General
☒	☐	17. Proper electrical wiring and fittings installed and maintained.	
☒	☐	18. Adequate first aid kits, stretchers and blankets available and maintained.	
☒	☐	19. Radio in 24 hour operation.	
☒	☐	20. Required personnel have valid first aid certificates.	
☒	☒	21. Breathing apparatus - adequate, accessible and maintained.	
☒	☐	22. Other required personnel safety equipment.	
☒	☐	23. General house keeping and indication of good practice.	
☒	☐	24. Equipment appears to conform with CEC & WCA standards.	
☒	☐	25. Required deviation surveys being run.	
☒	☐	26. Elimination of potential hazardous conditions.	
☒	☐	27. Adequacy of contingency plans, equipment and supplies.	

3. Remarks & Recommendations (Any comments or action required on items listed above and other items detailed in Inspection Guide should be listed here)

Item No. 7 Manifold heated under tarpaulin. OK.
21. No gas masks or resuscitator on base. Advised
toolpush to acquire one approved oxygen mask for each
crew member before running any Drill Stem tests
Rig in satisfactory condition otherwise



CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well ... Aquit Highland L.K-42

Location: Unit ... K. Section ... 42 Grid ... 62-40 - 122-15
Latitude ... 62°31'39.87" N Longitude ... 122°23'36.18" W
Unique Well Identifier ... 300K426240122150
Universal Well Location Reference ... 62,52774°N. Lat. ... & 122.39338°W. Long.

Elevation: Ground ... 1,173' K.B. ... 1,183' (est.) ... feet above sea-level.
Well is expected to produce from ... Exploratory ... formation at a depth
of about ... feet. Expected total final depth ... 3,500'
Area assigned to well ... Exploratory
(for District Conservation Engineer's use only)

Permit No. ... 4413 Lease No. ... Acreage ... 58980
Permittee, licensee, or lessee ... Aquitaine Company of Canada Ltd.
Explanatory Licence No. ... 1974
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:-

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 8-5/8"	24#	K-55	New	500'	275 (to surface)
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment ... Manetoe 1,980' Ronning 2,980'
Basal Clastics 3,400' - To be controlled with drilling fluid and blow out prevention
equipment consisting of an annular preventer and a double gate preventer.

Well will be drilled with Rotary Rig No. ... 4 by Guthrie McLaren Drilling Ltd.
(Drilling Contractor or company)

Responsible agent of applicant:- Contractor's Business Licence No. Will advise
At well ... D. Moore At registered office ... W. M. Bogert
Address 540 - 5th Ave. S.W., CALGARY Address ... 540 - 5th 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, Alberta, this ... 18th ... day of ... December ... 1972
Signed by ... W. M. Bogert Company Aquitaine Company of Canada Ltd.
Title Drilling Superintendent Operator's Licence No. ... 1974

(For Oil and Mineral Division use only)

APPROVED

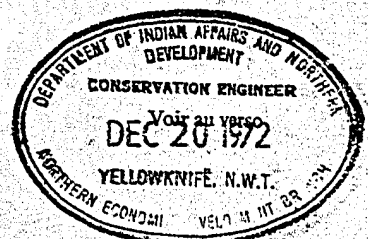
This application has been examined and approved subject to the following conditions:

See attached list of Conditions of Approval

Dated ... 8-JAN-73 19

R. L. Price
District Conservation Engineer

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



D.I.A.N.D. - CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY No. 649

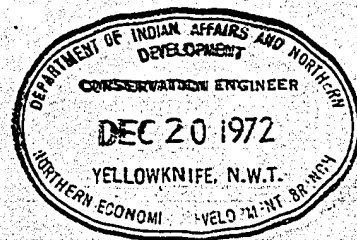
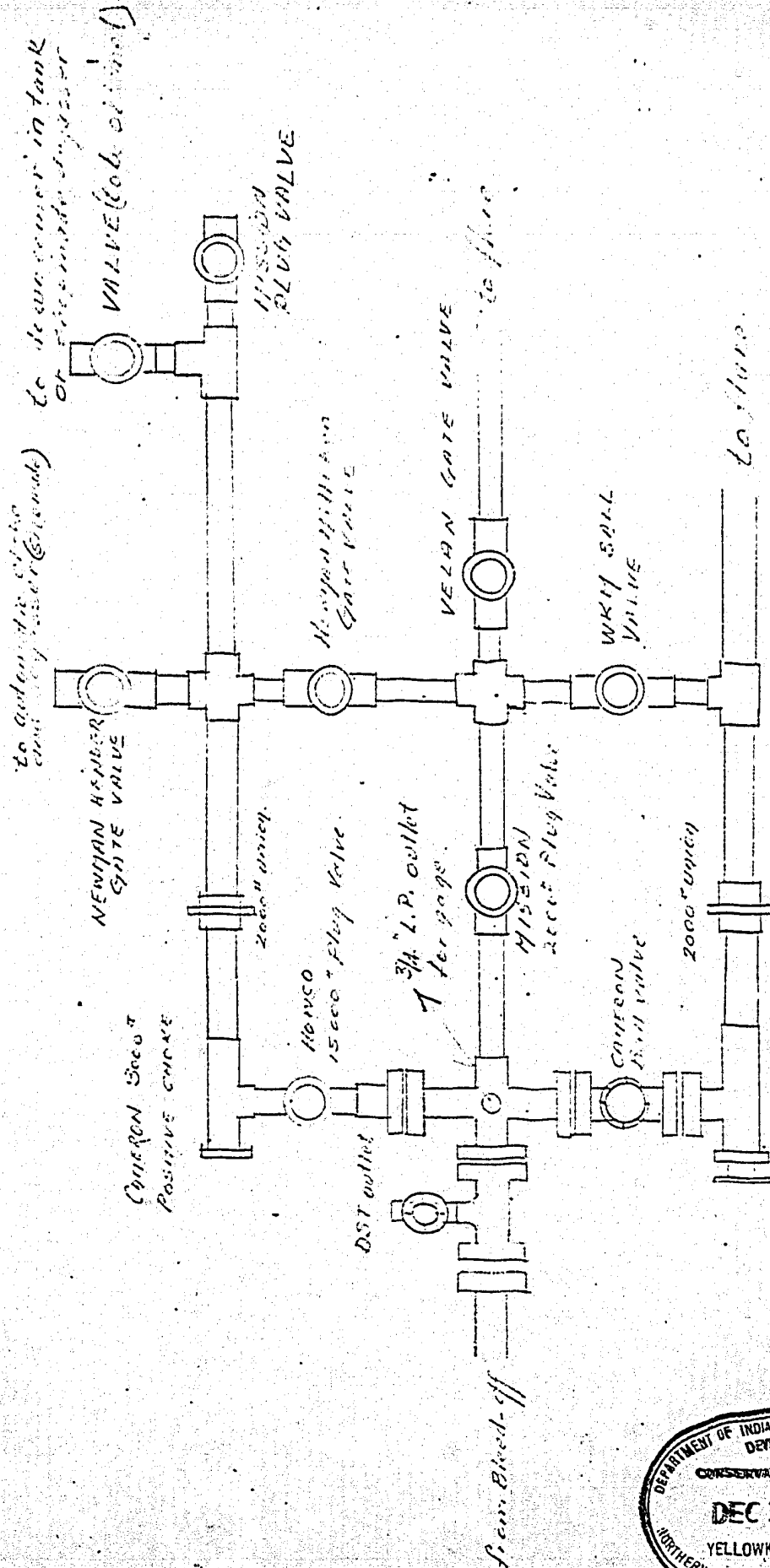
WELL

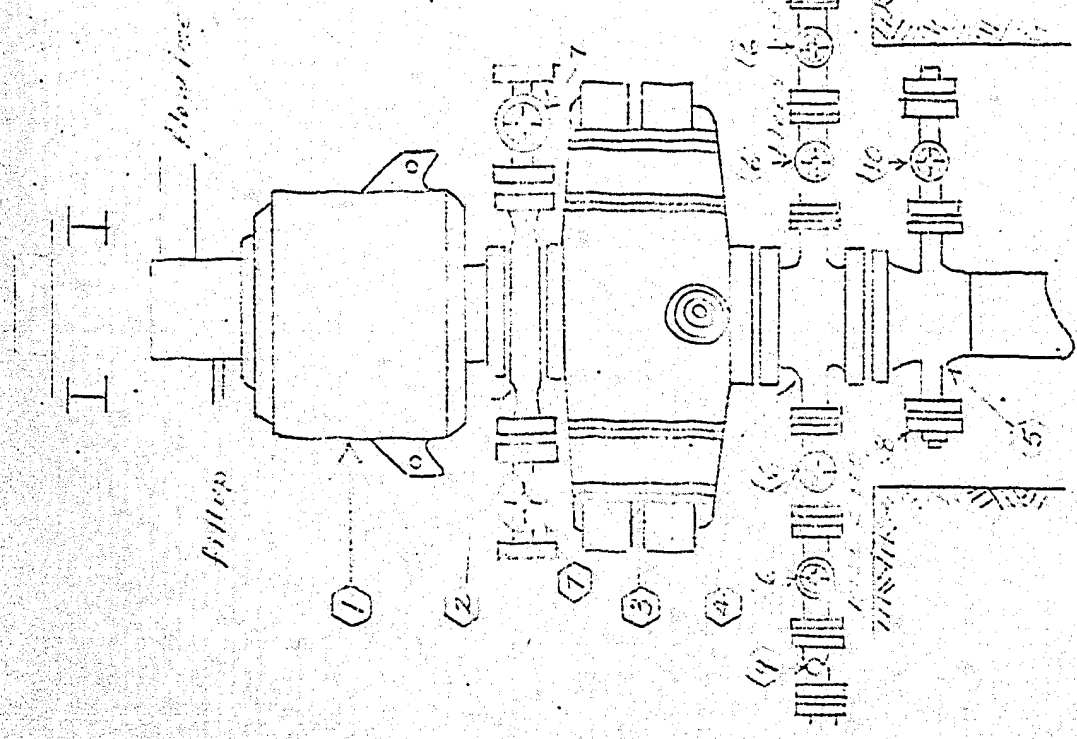
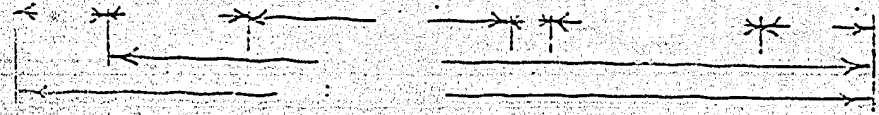
AQUIT. HIGHLAND C. K-42

1. Copies of this Drilling Authority Form and Daily Drilling Report Preparation Requirements Card, shall be posted in full view at the drilling rig, in both the doghouse and drilling foreman's office between spud and rig release dates.
2. The company will submit to this office, on Tuesday morning of each week, a day-by-day progress report summary, on the well, for the past week. (See daily drilling report preparation requirements card for pertinent details.) Phoned-in report format shall be in this order - well name, location, present depth, present activity in progress and past day's pertinent details.
3. All shows (small or large) of oil & gas are to be reported immediately.
4. When a fatal accident occurs the District Conservation Engineer is to be notified immediately and drilling ahead must cease. Permission to resume operations must be granted by the District Conservation Engineer after a fatality.
5. All waste materials on and around the wellsite area, shall be disposed of in a manner that will prevent pollution to adjacent areas. Burnables shall be burned and non-burnables shall be buried with adequate cover or hauled away.
6. Prior to moving to drilling site, a Land Use Permit, for access and a Water Use Permit must be obtained from the Water, Forests and Land Division, Yellowknife. We further draw your attention to Sections 95 and 96 of the Canada Oil & Gas Land Regulations.
7. Forward to this office two (2) field prints of all well logs (except Velocity logs) including copies of core analysis and fluid analysis as soon as they are available.
8. Any changes to, or additions to the approved Drilling Authority must have prior approval of the District Conservation Engineer. For example: total depth, casing depths/specs., location coordinates, well name, datum elevations, operator, contractor.
9. Surface casing to be set 50 feet (min.) into a consolidated formation at the approved depth.
10. 3000# W.P. (Ser. 900) B.O.P.'s are required to 12,000 ft. (max.)
5000# W.P. (Ser.1500) B.O.P.'s are required below 12,000.ft.
11. You are required to notify the Yellowknife Office twenty-four (24) hours before spudding.

2" - 2000 psi. 1000 ft.

NOTE: AUTOMATIC GATE HAS 2" Female L.P. inlet
and 4" female L.P. outlet.





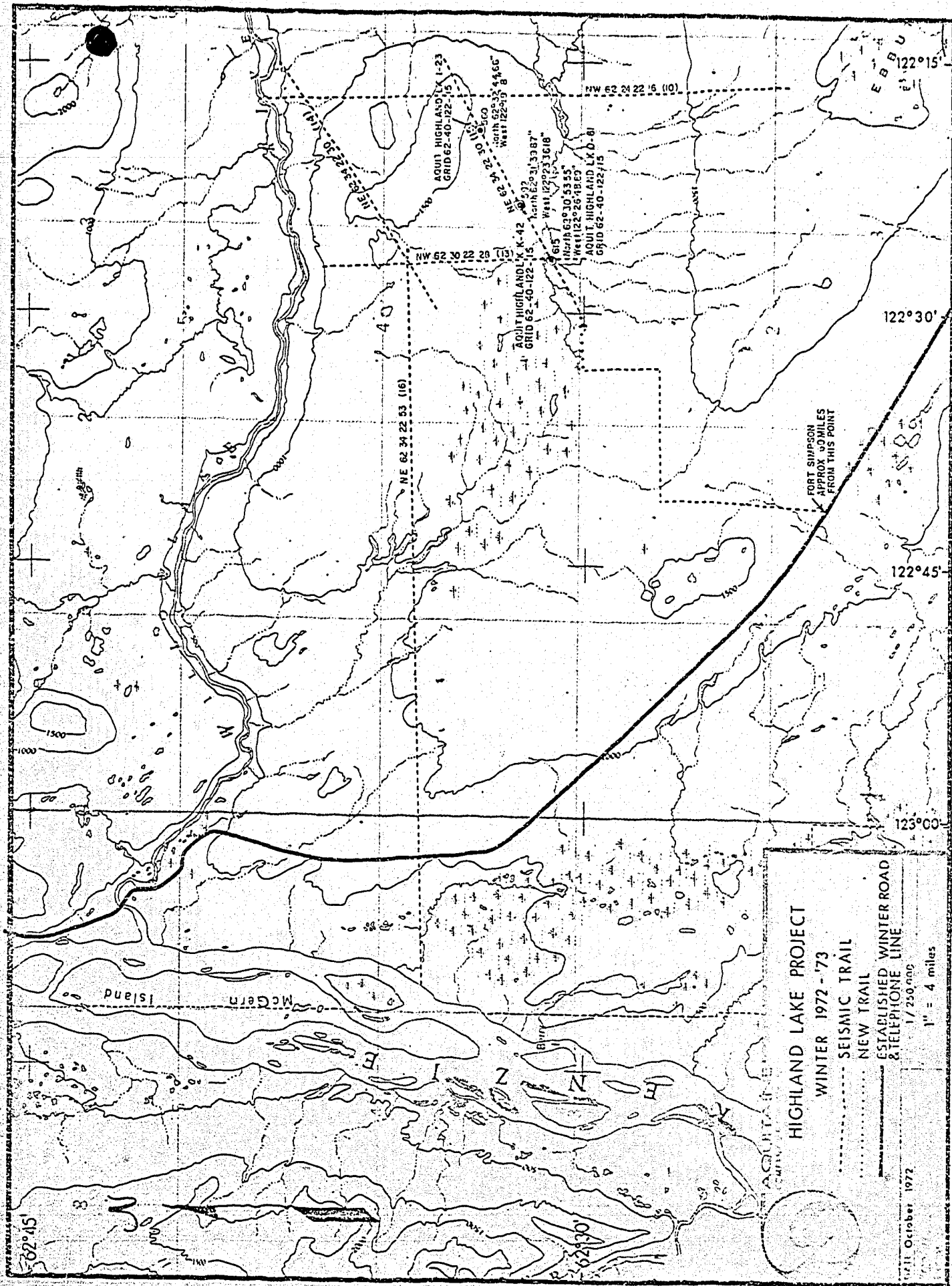
① pressure transducer

② strainer, no. 100

③ Double gate valve

④ stop valve
→ to check a sample
⑤ 1/2 inch x 1/2 inch flange

10" - 3000 psi B.O.R. Stack
4000 ft
NOV. 1972



PROGRAM & PROGNOSIS
HIGHLAND LAKE PROJECT

December 8, 1972

Well Name	Aquit Highland Lk K-42	Aquit Highland Lk I-23	Aquit Highland Lk O-61
Location: Lat.	62°31'39.87"	62°32'44.66"	62°30'53.55"
Long.	122°23'36.18"	122°19'08"	122°26'48.89"
Elevations: Ground	1173'	1505'	1170'
K.B.	1183'	1515'	1180'
AFE Number:	6302	6312	6312

Geological Prognosis

Formation	Depth	Subsea	Depth	Subsea	Depth	Subsea
Upper Devonian						
Ft. Simpson (sh)	100'		100'		100'	
Middle Devonian						
Horn River (sh)	1,405'		1,700'		1,500'	
Nahanni (ls)	1,485'		1,780'		1,580'	
Headless (sh ls)	1,950'		2,250'		2,070'	
Manetoe (dol)	1,980'		2,280'		2,100'	
Landry (ls)					2,210'	
Bear Rock (dol)	2,090'		2,340'		2,270'	
(anhyd)	2,220'		2,430'		2,380'	
Silur/Ordovician						
Ronning (dol)	2,980'		3,150'		3,100'	
Cambrian (sh & sd)						
Basal Clastics	3,400'					
Projected Total Depth	3,500'		3,450'		3,400'	

Hole Size:

Surface: 12-1/4"
Main: 7-7/8"

Zones of Interest:

Manetoe Dolomite, Ronning and Basal Clastics.

WELL HISTORY REPORT

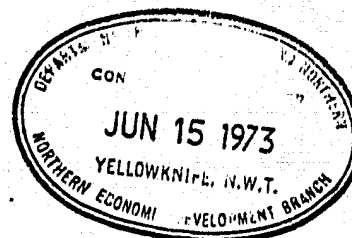
Aquit Highland Lake K-42

JUNE 1973

AQUITAINE COMPANY
OF CANADA LTD.

Well History Report
Aquit Highland Lake K-42
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



WELL HISTORY REPORT

Aquit Highland Lake K-42

SECTION I - Summary of Well Data

- (a) Well Name and Number: Aquit Highland L K-42
- (b) Permittee: Aquitaine Company of Canada Ltd.
- (c) Operator: Aquitaine Company of Canada Ltd.
540 Fifth Avenue SW
Calgary, Alberta
T2P 0M4
- (d) Location: Unit K, Section 42, Grid 62°40' 122°15'
Unique Well Identifier: 300K426240122150
Universal Well Location Reference: 62.52774° N Lat.
& 122.39338° W Long.
- (e) Coordinates: Latitude: 62°31' 39.87"
Longitude: 122° 23' 36.18"
- (f) Permit No.: 4413
- (g) Drilling Contractor: Guthrie McLaren Drilling Ltd.
14630 - 119 Ave.
Edmonton, Alberta

Rig No. 4
- (h) Drilling Authority: Number 649
Date Issued - January 8, 1973
- (i) Classification: Exploratory
- (j) Elevations: Ground 1173', K.B. 1186'
- (k) Spudded: February 3, 1973
- (l) Completed Drilling: February 25, 1973
- (m) Total Depth: 3849'
- (n) Well Status: Plugged and Abandoned
- (o) Rig Released: March 1, 1973 at 4:00 a.m.
- (p) Hole Sizes: 12 1/4" to 540; 7 7/8" to 3849
- (q) Casing: 8 5/8" to 540'

SECTION II - Geological Summary

- (a) Formation Tops: See "Geological Marker Report" attached.
- (b) Cored Intervals: See "Core Report" attached.
- (c) Core Description: See "Geological Sample Description"
Pages 6, 10 and 11.
- (d) Sample Descriptions: See "Geological Sample Descriptions"
attached.
- (e) Paleontological Determinations: Not Applicable.

		GEOLOGICAL SAMPLE DESCRIPTION				Sheet No. 1
From	To	Core Ditch	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
0	30					No samples caught. Hole dug by Rat hole drillers
30	40	D				Shale (50%) medium gr-y, fissile w sand (30%) glacial drift, w cement (20%)
40	70	D				Glacial drift (90%) fine to v. coarse, (granite wash) w shale (10%) medium gray.
70	80	D				Glacial drift (50%) (granite wash) w sand (50%) clear qtz, fine to coarse grain, rounded, unconsolidated, frosted.
80	90	D				Glacial drift (70%) w sand (30%) clear qtz, fine to coarse grain, rounded, frosted, unconsolidated.
90	100	D				Shale (50%) medium to dark gray, fissile w sand (50%) AA
100	150	D				Shale (80%) medium to dark gray, fissile w sand (20%) AA
150	160	D				Shale (90%) AA w sand (10%) AA
160	170	D				Shale (70%) AA w sand (30%) AA
170	180	D				Shale (100%) AA w trace sand, AA
180	200	D				Shale (80%) AA w sand (20%) AA
200	210	D				Shale (90%) medium to dark gray, trace carbonaceous material in very thin layers w sand (10%) AA
210	220	D				Shale (80%) medium to dk gray to black, bituminous
220	230	D				Shale (90%) AA w sand (10%) AA
230	250	D				Shale (100%) AA w tr. pyritized plant stems
250	260	D				Shale (80%) AA w sand (20%) AA
260	270	D				Shale (60%) AA w sand (40%) clear quartz, fine to medium grain, rounded, frosted, unconsolidated.
270	280	D				Shale (80%) AA w sand (20%) AA
280	290	D				Shale (100%) AA w trace plant spores w trace sand, AA
290	300	D				Shale (80%) medium gray, fissile, w sand (20%) AA
300	320	D				Shale (40%) AA w sand (60%) fine to coarse grain, subangular to rounded, frosted, unconsolidated.
320	330	D				Shale (90%) medium to dark gray, fissile, w sand (10%) AA
330	340	D				Shale (50%) AA w sand (50%) AA
340	350	D				Shale (90%) medium to dark gray, fiss, w sand (10%) AA

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as appropriate)

GEOLOGICAL SAMPLE DESCRIPTION

Sheet No. 2

From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.V.	
AQUIT. HIGHLAND LK. K-42						
350	380	D		30		Shale (70%) AA w sand (30%) clear qtz, fine to coarse grain, rounded, frosted, unconsolidated
380	390	D		10		Shale (80%) AA, trace pyritized plant stems, w sand (20%) AA
390	400	D		10		Shale (50%) AA w sand (50%) AA
400	420	D		20		Shale (90%) AA w sand (10%) AA
420	430	D		10		Shale (70%) AA, in part silty, slightly glauconitic, w sand (30%) AA, trace pyrite
430	440	D		10		Shale (70%) AA, slightly micaceous w sand (30%) AA
440	450	D		10		Shale (90%) m/dark gray, silty, sandy, glauconitic, in part micromicaceous, w sand (10%) AA
450	460	D		10		Shale (70%) medium to dark gray, micromicaceous, trace shale, glauconitic as above.
460	470	D		10		Shale (90%) medium to dark gray, silty, glauconitic w sand (10%) AA
470	480	D		10		Shale (80%) AA w sand (20%) AA
480	500	D		20		Shale (100%) very light gray, trace free glauconite
500	510	D		10		Shale (60%) V. lt. gray, fissile w sand (40%) AA
510	530	D		20		Shale (20%) AA w sand (40%) AA w sand (40%) very light gray, very fine grain, silty, argillaceous slightly glauconitic
530	540	D		10		Shale (90%) light gray, fissile, in part micromicaceous, in part silty Set 8 5/8" Surface Casing @ 540'
540	550	D		10		Shale (20%) AA w siltstone (40%) light to medium gray w sand (40%) light to medium gray very fine grain, tight
550	560	D		10		As above
560	580	D		20		Shale (80%) light gray, in part micromicaceous w siltstone (20%) light to medium gray, tight
580	600	D		20		Shale (100%) light gray, in part micromicaceous, in part silty
600	620	D		20		Shale (100%) light gray, in part micromicaceous, in part silty, w trace pyrite
620	670	D		50		Shale (100%) light gray, in part micromicaceous, fissile
670	690	D		20		Shale (100%) light to medium gray, laminated, slightly pyritic w trace sand, light gray, very fine grain, calcareous, hard, tight.

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 3
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
690	700	D		10		Shale (100%) light to medium gray, in part micromicaceous, slightly sandy, calcareous
700	710	D		10		As above
710	730	D		20		Shale (100%) light gray, in part micromicaceous, in part silty, calcareous
730	750	D		20		Shale (100%) light gray, in part micromicaceous, fissile
750	820	D		70		Shale (100%) as above w tr secondary clear calcite along minor fracture planes
820	830	D		10		Shale (100%) light gray, fissile, in part micromicaceous
830	850	D		20		Shale (100%) as above w tr secondary calcite
850	890	D		40		Shale (100%) light gray w medium gray laminae w trace
890	900	D		10		Shale (100%) tight to medium gray, laminated
900	930	D		30		Shale (95%) as above w sand (5%) medium gray, very fine grain, hard, tight, calcareous
930	950	D		20		Shale (100%) light gray, in part micromicaceous, in part siliceous, calcareous
950	970	D		20		Shale (100%) light to medium gray, fissile, in part micromicaceous
970	1020	D		50		Shale (100%) light to medium gray, fissile micromicaceous
1020	1030	D		10		Shale (100%) light to medium gray, interlaminated w shale, black, bituminous
1030	1060	D		30		Shale (100%) 50% light to medium gray, 50% black bituminous in part micromicaceous
1060	1080	D		20		Shale (100%) as above, w trace pyrite.
1080	1090	D		10		Shale (100%) light gray w trace dark gray, tr. pyrite
1090	1130	D		40		Shale (100%) light gray, fissile, in part micromicaceous
1130	1150	D		20		Shale (100%) as above w trace shale, black bituminous
1150	1170	D		20		Shale (100%) light gray, in part micromicaceous, in part silty
1170	1200	D		30		Shale (100%) as above, in part laminated w black, bituminous shale
1200	1210	D		10		Shale (100%) light gray, fissile in part micromicaceous, trace black bituminous shale laminations
1210	1330	D		120		Shale (100%) light gray fissile, in part micromicaceous
1330	1350	D		20		Shale (100%) as above w trace shale, black bituminous

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 4
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK K-42						
1350	1370	D	20			Shale (100%) light gray, fissile, in part micromicaceous
1370	1390	D	20			Shale (100%) as above w trace shale, black, bituminous
1390	1410	D	20			Shale (100%) 70% light gray as above, 30% black, bituminous
1410	1420	D	10			Shale (100%) 50% light gray as above, 50% black, bituminous
1420	1430	D	10			As above w trace pyrite nodules
1430	1440	D	10			Shale (100%) as above w trace pyrite
1440	1460	D	20			Shale (100%) -70% shale light gray, fissile, as above w shale (30%) black, bituminous
1460	1470	D	10			Shale (100%) 30% light gray, 70% black, bituminous
1470	1480	D	10			Shale (100%) 90% black, bituminous, 10% light gray, fissile
1480	1490	D	10			Shale (100%) black, bituminous T. Horn River 1466 (-280)
1490	1510	D	20			Shale (100%) black, bituminous w trace pyrite
1510	1520	D	10			Shale (100%) as above
1520	1530	D	10			Shale (100%) as above w massive pyrite
1530	1540	D	10			As above w trace limestone, brown black, cryptocrystalline to argillaceous, tight. T. Nahanni 1546 (-360)
1540	1550	D	10			Limestone (90%) buff to brown black, mottley, crypto-crystalline, tight, trace clear Calcite
1550	1560	D	10			Limestone (80%) as above w shale (20%) as above
1560	1570	D	10			As above
1570	1580	D	10			Limestone (70%) as above w shale (30%) as above
1580	1590	D	10			Limestone (90%) buff to dark brown, crypto crystalline to microcrystalline to argillaceous, in part fragmental trace shell frags, trace secondary calcite, trace poor intercrystalline porosity, bitumen filled
1590	1650	D	60			Limestone (100%) as above, no visible porosity
1650	1690	D	40			Limestone (100%) buff/ brown black, cryptocrystalline to microcrystalline to argillaceous, tight, trace shell frags, secondary calcite, trace poor intercrystalline porosity, bitumen filled.
1690	1700	D	10			Limestone (100%) buff/brown black, crypto to microcrystalline hard, tight
1700	1710	D	10			Limestone (100%) gray brown, cryptocrystalline hard tight, w trace limestone, as above w poor intercrystalline porosity, bitumen filled, tr white secondary calcite.

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 5
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
1710	1720	D	10			limestone, as above
1720	1730	D	10			Limestone (100%) buff to light gray to brown black, crypto to microcrystalline to argillaceous, ti w trace poor porosity, bitumen filled, abundant white secondary calcite along hairline to larger fracture infilling
1730	1740	D	10			Limestone (70%) as above w Calcite (100%) white secondary fracture infilling
1740	1750	D	10			Limestone (100%) as above w trace secondary calcite
1750	1780	D	30			Limestone (100%) as above
1780	1790	D	10			Limestone (100%) as above w trace crinoid stems
1790	1800	D	10			Limestone (100%) as above, no visible foss frags
1800	1810	D	10			Limestone (100%) as above w very light cut w carbon tet. from trace of bitumen filled porosity
1810	1820	D	10			Limestone (100%) as above, no visible cut
1820	1840	D	20			Limestone (100%) medium gray brown to brown black, crypto to microcrystalline, tight, w trace limestone brown black, very fine grain, tr poor porosity, bitumen filled
1840	1850	D	10			Limestone (100%) as above w abundant free bitumen
1850	1870	D	20			Limestone (100%) buff to brown black, cryptocrystalline to argillaceous, tight, bituminous
1870	1930	D	60			Limestone (100%) as above w tr secondary calcite
1930	1940	D	10			Limestone (100%) as above w trace pyrite
1940	1960	D	20			As above
1960	1980	D	20			Limestone (100%) medium gray brown, cryptocrystalline, hard, tight, w trace limestone, as above
1980	1990	D	10			Dolomite buff to light tan, cryptocrystalline to very fine grain, tight.
1990	2000	D	10			Limestone (100%) buff to light gray brown, cryptocrystalline argillaceous, hard, tight w trace shale, light blue green, T. Headless Shale 1998 (-812)
2000	2010	D	10			Limestone (60%) as above w shale (40%) light blue green, in part waxy, abundant disseminated pyrite, trace secondary calcite.
2010	2020	D	10			Limestone (95%) light gray brown, cryptocrystalline, hard, tight w sh (5%) light blue green, pyritic
2020	2030	D	10			Dolomite (90%) light brownish gray to dark gray, crypto-crystalline, to fine grain, hard, tight, trace secondary calcite, w limestone (10%) as above w trace sh. as above.

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 6
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
2030	2040	D		10		Shale (70%) light blue green, brecciated, abundant disseminated pyrite, w limestone (30%) medium gray brown, cryptocrystalline, hard, tight, trace stylolites, w trace dolomite, dark gray brown, cryptocrystalline, hard, tight.
2040	2050	D		10		Shale (50%) as above w limestone (50%) medium gray brown cryptocrystalline, to chalky, hard, tight, trace pyrite, abundant stylolites, bitumen filled, trace shale as above
2050	2065	D		15		Limestone, as above
2065	2078	D		13		Dolomite (100%) medium gray brown, cryptocrystalline, to microcrystalline to trace sucrosic, tight, abundant calcite, minor fractures
2078	2086	C		7		Core #1 2078 - 2086 Rec. 7.0' Dolomite light brown to brown black, cryptocrystalline to very fine grain, hard, tight, in part bituminous, abundant minor fractures calcite filled, (hairline fractures) trace pyrite, numerous stylolites, slickensides bitumen filled.
2086.0	2090.0	C		4		Core #2 2086 - 2108 REC. 21.3' Dolomite, medium brown, microcrystalline, to very fine grain, hard, tight, abundant stylolites, bitumen filled,
2090.0	2097.6	C		7.6		Dolomite, medium brown to brown black, microcrystalline to very fine grain, highly brecciated, abundant secondary calcite along numerous small fractures, hard, tight.
2097.6	2104.3	C	6.7		W	Dolomite, light brown, fine grain, good intercrystalline porosity (est. 8%) with H ₂ S odor upon fresh break, trace scattered coarse vugs, large fracture with some calcite infilling and some excellent porosity
2104.3	2107.6	C		3.3		Dolomite, light brown, cryptocrystalline to microcrystalline, hard, tight, abundant hairline fractures w some bitumen infilling, some with calcite infilling, numerous stylolites.
2107	2110	D		3		Dolomite (100%) medium gray brown, microcrystalline, hard, tight w trace dolomite, medium gray brown, very fine grain, good intercrystalline porosity, abundant secondary calcite frac. infill.
2110	2120	D	tr	10		Dolomite (100%) medium gray brown, crypto to microcrystalline, hard, tight, trace poor intercrystalline porosity and small vuggy porosity, abundant secondary calcite, trace bitumen infill, trace pyrite.

SAMPLES NOT LAGGED

SAMPLES LAGGED AT FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 7
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
2120	2140	D	tr	20		Dolomite as above w abundant secondary calcite in fracture planes T. Bear Rock Dolomite 2144
2140	2150	D		10		Dolomite (100%) medium gray brown to brown black, crypto to microcrystalline, hard, tight, in part bituminous, pyritic, abundant secondary calcite crystals
2150	2160	D	tr	10		Dolomite (100%) as above w trace poor small vuggy and intercrystalline porosity
2160	2190	D	tr	30		Dolomite, as above w trace poor small vuggy porosity
2190	2200	D		10		Dolomite, (100%) medium brownish gray w tr brown black crypto to microcrystalline, hard, tight, trace calcite.
2200	2220	D	tr	20		Dolomite (100%) as above, to fine grain, trace small good vuggy porosity, trace secondary calcite and hairline fractures.
2220	2240	D	tr	20		Dolomite (100%) as above to sucrosic, trace good small vuggy porosity and intercrystalline porosity, trace stylolites
2240	2250	D	tr	10		Dolomite (100%) medium brown to black, bituminous, microcrystalline to fine grain, tight, trace fair intercrystalline porosity, abundant calcite crystals, trace quartz rhombs, no visible stain or fluorescence
2250	2260	D		10		Dolomite (100%) medium to dark brownish gray, crypto-crystalline to fine grain, tight w trace fair intercrystalline porosity no visible stain or cut, trace calcite crystals, hairline fractures, stylolites.
2260	2270	D		10		Dolomite (100%) light to medium to dark brownish gray, crypto to microcrystalline, hard, tight w trace anhydrite, trace gypsum.
2270	2290	D		20		Dolomite (100%) medium to dark brownish gray to brown black, in part bituminous, cryptocrystalline to fine grain, tight, in part gypsiferous
2290	2300	D	tr	10		Dolomite, as above w trace poor small vuggy porosity
2300	2320	D	tr	20		Dolomite (100%) light to medium gray to light gray brown, crypto to microcrystalline to very fine grain, hard tight, in part very gypsiferous, in part trace poor intercrystalline porosity. T. Bear Rock Anhy 2334
2320	2330	D		10		Dolomite (95%) as above w gypsum (5%) white, soft
2330	2340	D		10		Dolomite (90%) buff to light gray, cryptocrystalline, hard tight, coarse floating dolomite crystal inclusions,

SAMPLES NOT LAGGED

SAMPLES LAGGED AT FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 8
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
2340	2350	D	10			w trace gyp w Anhydrite (10%) light brown, translucent Dolomite (50%) dark brown, cryptocrystalline, hard, tight w Anhydrite (50%) as above, trace gypsum
2350	2360	D	10			Dolomite (80%) dark brown black, crypto to micro-crystalline to sucrosic, tight, gypsiferous w Anhydrite (20%) as above
2360	2370	D	10			Anhydrite (60%) as above w dolomite (40%) as above, abundant gypsum
2370	2390	D	20			Anhydrite (100%) as above w tr. dolomite, as above, w abundant gypsum
2390	2400	D	10			Dolomite (90%) buff to light gray brown, cryptocrystalline hard, tight, w Anhydrite (10%) as above, abundant gypsum
2400	2410	D	10			Anhydrite (70%) as above w dolomite (30%) as above abundant gypsum.
2410	2430	D	20			As above
2430	2440	D	10			Anhydrite (90%) light tan to gray w dolomite (10%) as above w abundant gypsum
2440	2510	D	70			Anhydrite (100%) as above w dolomite (trace) as above abundant gypsum
2510	2520	D	10			Anhydrite (60%) as above w dolomite (40%) as above abundant gypsum
2520	2580	D	60			Anhydrite (100%) as above w trace dolomite as above abundant gypsum
2580	2590	D	10			as above
2590	2600	D	10			as above
2600	2610	D	10			Dolomite (80%) buff to light gray, cryptocrystalline, hard, tight
2610	2620	D	10			Anhydrite (50%) light tan to brown w dolomite (50%) as above
2620	2630	D	10			Anhydrite (100%) as above w dolomite (trace) as above
2630	2640	D	10			Anhydrite (100%) as above
2640	2650	D	10			As above w trace dolomite, as above
2650	2720	D	70			Anhydrite (100%) as above
2720	2740	D	20			As above w trace dolomite as above
2740	2750	D	10			Dolomite (80%) light gray to dark brown black, cryptocrystalline, hard, tight, gypsiferous w Anhydrite (20%) as above

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	GEOLOGICAL SAMPLE DESCRIPTION	Sheet No. 9
						AQUIT. HIGHLAND LK. K-42	
2750	2760	D	10			Anhydrite (90%) as above w dolomite (10%) as above	
2760	2770	D	10			Dolomite (70%) light to medium gray trace brown black, cryptocrystalline, hard, tight.	
2770	2780	D	10			Anhydrite (50%) as above w dolomite (50%) as above to dark brown, black, in part bituminous	
2780	2820	D	40			Anhydrite (100%) as above	
2820	2830	D	10			As above w trace dolomite, buff to light brownish gray, cryptocrystalline hard, tight.	
2830	2840	D	10			Anhydrite (90%) light to medium brown w dolomite (10%) as above	
2840	2850	D	10			Dolomite (100%) buff to light brownish gray, crypto-crystalline, trace of sucrosic, hard, tight, trace clear calcite crystals	
2850	2870	D	20			Dolomite (100%) buff to dark brown to brown black bituminous cryptocrystalline, hard, tight, abundant clear calcite crystals	
2770	2780	D	10			Anhydrite (70%) as above w dolomite (30%) as above	
2780	2900	D	20			Anhydrite (100%) light to dark brown	
2900	2910	D	10			Anhydrite (60%) as above w dolomite (40%) dark brownish gray to dark brown, cryptocrystalline, hard, tight.	
2910	2920	D	10			Anhydrite (80%) as above w dolomite (20%) as above	
2920	2930	D	10			Anhydrite (100%) light to medium brown	
2930	2940	D	10			Dolomite (100%) buff to light tan, crypto to micro-crystalline, trace sucrosic, hard, tight, gypsiferous	
2940	2950	D	10			Anhydrite (70%) light to medium brown w dolomite (30%) as above w trace dark brown	
2950	2960	D	10			Dolomite (80%) medium brownish gray to dark brown, cryptocrystalline w trace microcrystalline, trace fine grain, tight w Anhydrite (20%) as above	
2960	2970	D	10			Dolomite (100%) as above, in part bituminous, trace frac bitumen, fracs w bitumen infill, trace stylolites, trace fracs w calcite infill.	
2970	2980	D	10			Dolomite (90%) as above, no frac bitumen w Anhydrite (10%) as above	
2980	2990	D	10			Anhydrite (80%) light to dark brown w dolomite (20%) as above	
2990	3000	D	10			Anhydrite (100%) as above	

SAMPLES NOT LAGGED

SAMPLES LAGGED AT _____ FT. PER MIN.

(Delete as Appropriate)

		GEOLOGICAL SAMPLE DESCRIPTION				Sheet No. 10
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
3000	3010	D	10			Anhydrite (50%) as above w dolomite (50%) light gray to medium gray brown, cryptocrystalline, hard, tight.
3010	3020	D	10			Anhydrite (70%) as above w dolomite (30%) dark gray to dark brown black, cryptocrystalline, hard, tight.
3020	3030	D	10			Anhydrite (80%) as above w dolomite (20%) as above
3030	3040	D	10			Dolomite (80%) medium gray to gray brown, crypto - to microcrystalline, tight, gypsiferous, trace fair small vuggy porosity T. Ronning Dolomite 3030 (-1844)
3040	3060	D	20			Dolomite (70%) as above w Anhydrite (30%) as above
3060	3070	D	10			Dolomite (60%) light to medium gray to dark gray brown, crypto to microcrystalline, hard, tight w Anhydrite (40%) as above
3070	3080	D	10			Dolomite (100%) light to medium gray to medium gray brown, cryptocrystalline, hard, tight w trace Anhydrite, as above
3080	3090	D	10			Dolomite (100%) medium gray brown, trace light gray, cryptocrystalline hard, tight, trace stylolites, bitumen filled, trace hairline fractures, calcite filled
3090	3100	D	10			Dolomite (100%) light gray brown, cryptocrystalline, hard, tight w trace light gray, sucrosic, soft, trace stylolites.
3100	3110	D	10			Dolomite (90%) as above to dark brown, w Anhydrite (10%) as above, abundant gypsum.
3110	3120	D	10			Anhydrite (70%) as above w dolomite (30%) as above
3120	3130	D	10			Anhydrite (80%) as above w dolomite (20%) as above
3130	3150	D	20			Dolomite (100%) light gray to light gray brown, crypto to microcrystalline, tight, trace stylolites, bitumen filled, trace clear Calcite crystals.
3150	3160	D	10			Dolomite (100%) as above to medium gray.
3160	3170	D	10			As above w trace gray green dolomite, abundant disseminated pyrite.
3170	3180	D	10			Dolomite (100%) white to light gray as above pyrite.
3180	3200	D	10			Dolomite (100%) medium gray to medium brownish gray, cryptocrystalline, hard, tight, pyritic, trace stylolites
3200	3210	D	10			Dolomite (100%) as above w trace quartz grain in clusions, medium, rounded.
Core #3 3210 - 25 Rec. 14.3'						
3210	3225	C	15			Dolomite (100%) light to medium gray, cryptocrystalline, hard, tight, abundant disseminated pyrite, abundant

SAMPLES NOT LAGGED

SAMPLES LAGGED AT FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 11
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND L.K. K-42						
						vertical and horizontal fractures, in part brecciated, no visible porosity.
3225	3230	D	tr	5		Dolomite (100%) light gray to medium gray brown, fine to medium grain, in part friable, mainly tight, abundant spar calcite, quartz rhombs, trace bitumen, no visible affective intercrystalline porosity.
3230	3240	D	tr	10		Dolomite (100%) as above w trace poor intercrystalline porosity w pyro bitumen infill, abundant spar calcite frac and quartz rhomb bug linings
3240	3256	D		16		Dolomite (100%) fine grain, as above, w decrease in spar calcite and quartz rhombs.
						Core #4 3256 - 3263 Rec. 7.0' (jammed)
3256	3263	C	tr	7		Dolomite, light to medium gray, microcrystalline to medium grain, tight, trace poor intercrystalline porosity, abundant small and few medium size vugs, some calcite filled, poor effective porosity. Very highly fractured and shattered, some fracs calcite filled, few bituminous shale partings, abundant spar calcite, one large frac filling in with quartz rhombs.
3263	3270	D	tr	7		Dolomite (100%) buff to light gray to light gray brown, microcrystalline to fine grain, tight, trace spar calcite, trace poor intercrystalline porosity
3270	3280	D	tr	10		Dolomite (100%) buff, medium grain, trace fair porosity, trace spar calcite and quartz rhombs.
3280	3290	D	tr	10		Dolomite (100%) as above w trace bitumen
3290	3300	D	tr	10		as above w trace massive pyrite
3300	3310	D	tr	10		as above w abundant massive pyrite
3310	3320	D		10		Dolomite (100%) buff, microcrystalline to fine grain, mainly tight, trace massive pyrite, trace spar calcite, quartz rhombs
3320	3330	D		10		Dolomite (100%) light to medium gray, crypto to microcrystalline, hard, tight, trace massive pyrite
3330	3350	D		20		Dolomite (100%) light to dark brownish gray, crypto-crystalline, in part sucrosic, mainly hard, tight, pyritic, trace calcite frac infill.
3350	3360	D		10		Dolomite (100%) light to medium gray brown, crypto-crystalline to sucrosic, hard, tight, abundant spar calcite
3360	3370	D		10		Dolomite (100%) light to dark gray brown, as above

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 12
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Sp. of O.G.W.	
AQUIT. HIGHLAND LK. K-42						
3370	3380	D		10		Dolomite (100%) light to medium to dark gray brown, crypto to microcrystalline to fine grain, in part soft, friable, trace poor porosity.
3380	3390	D		10		As above w trace shale, black, bituminous
3390	3400	D		10		Dolomite (100%) medium brownish gray, fine to medium grain, tight, w trace poor bitumen filled intercrystalline porosity abundant spar calcite.
3400	3410	D		10		Dolomite (100%) buff to medium gray brown, crypto-crystalline, hard, tight, in part sucrosic, trace minor fractures, bitumen filled, trace chert, white, trace spar calcite, trace amber colored siliceous dolomite
3410	3420	D		10		Dolomite (100%) light gray to medium gray brown, micro-crystalline to very fine grain, very sucrosic, fair intercrystalline porosity, abundant spar calcite, trace crystal lined vug linings, tr amber siliceous dolomite
3420	3430	D		10		Dolomite (100%) buff to trace medium gray brown, as above
3430	3440	D		10		Dolomite (100%) light gray, light gray to very fine grain to sucrosic, soft friable, trace poor inter-crystalline porosity trace spar calcite, abundant quartz vug linings
3440	3450	D		10		Dolomite (100%) light gray, sucrosic, good porosity w dolomite, dark gray brown, cryptocrystalline, hard tight
3450	3460	D		10		Dolomite (100%) medium gray to medium gray brown, cryptocrystalline, hard, tight, w dolomite, light gray, sucrosic soft, trace bitumen in stylolites
3460	3470	D		10		as above, medium brownish gray.
3470	3480	D		10		as above w tr qtz. rhombs.
3480	3490	D		10		as above w trace bitumen filled fracs
3490	3510	D		20		Dolomite (100%) light to dark gray, cryptocrystalline, hard, tight w trace shale, medium gray, trace chert, white, sharp
3510	3520	D	1	9		Dolomite (100%) light to medium gray, cryptocrystalline, hard tight to very fine grain, good vuggy porosity, abundant crystal vug linings, no visible trace of bitumen
3520	3530	D	10			Dolomite (100%) as above w fair intercrystalline and vuggy porosity, trace bitumen.

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION						Sheet No. 13
From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
3530	3540	D	6	4		Dolomite (100%) light gray, microcrystalline to medium grain, mainly tight w trace fair intercrystalline porosity, trace poor porosity bitumen filled, trace chert, white.
3540	3550	D		10		Dolomite (100%) medium brownish gray, crypto to microcrystalline, to medium grain, hard, tight, trace poor vuggy and intercrystalline porosity, very abundant chert, white.
3550	3560	D		10		Dolomite (100%) medium brownish gray, cryptocrystalline to very fine grain, hard tight, siliceous, abundant white chert, trace spar calcite
3560	3570	D		10		Dolomite (100%) light to medium gray to medium brownish gray, cryptocrystalline to very fine grain, hard, tight, siliceous, abundant chert, white to buff.
3570	3590	D		20		Dolomite (100%) medium gray to medium gray brown, cryptocrystalline to very fine grain, tight, in part siliceous.
3590	3600	D		10		Dolomite (100%) medium to dark brownish gray, cryptocrystalline, to very fine grain, tight, in part friable, abundant fair to good intercrystalline porosity, trace small vuggy porosity, some completely bitumen filled, trace chert, weathered (?) in part dolomitic, trace bitumen coated vug linings
3600	3610	D		10		Dolomite (90%) as above w chert (10%) as above
3610	3620	D		10		Dolomite (90%) medium to dark gray brown, crypto to micro crystalline to very fine grain, in part sucrosic, hard, tight, abundant pyro bitumen w chert (10%) white to buff.
3620	3650	D		30		Dolomite (100%) as above, in part very bituminous
3650	3660	D		10		Dolomite (50%) as above w dolomite (50%) buff, cryptocrystalline, argillaceous, siliceous, hard, tight, abundant bitumen filled frags and small vugs, abundant chert, spar calcite
3660	3670	D		10		Dolomite (100%) light gray to dark gray brown, cryptocrystalline to argillaceous, siliceous, hard, tight, in part fragmental, trace bitumen frac lining, abundant chert.
3670	3680	D		10		Dolomite (100%) dark gray to black, crypto to microcrystalline fragmental, very bituminous, tight, trace spar calcite, trace chert.

SAMPLES NOT LAGGED

SAMPLES LAGGED AT 100 FT. PER MIN.

(Delete as Appropriate)

GEOLOGICAL SAMPLE DESCRIPTION

Sheet No. 14

From	To	Core C Ditch D	No. of Ft. Porous	No. of Ft. Non-Porous	Showings O.G.W.	
AQUIT. HIGHLAND LK. K-42						
3680	3700	D	tr	20		Dolomite (100%) medium gray to dark gray brown to black, crypto to microcrystalline to very fine grain, argillaceous, siliceous, trace fair intercrystalline porosity and inter fragmental porosity, bitumen filled, trace spar calcite.
3700	3710	D		10		Dolomite (100%) as above w trace shale, black bituminous, dolomite, trace fragmental inclusions, abundant chert black
3710	3720	D		10		Dolomite (100%) medium gray to dark gray brown to black, crypto to microcrystalline, hard tight, very bituminous, in part fragmental, abundant black chert
3720	3730	D		10		Dolomite (100%) as above w trace shale, black, bituminous, dolomitic, trace fragmental inclusions, pyritic
3730	3740	D		10		Dolomite (100%) as above, pyritic w chert, black, pyrite
3740	3750	D		10		Dolomite (70%) dark brownish gray to black, crypto- to microcrystalline, argillaceous, hard, tight, bituminous, in part fragmental, pyritic, grading to shale (30%) black, bituminous, dolomitic, in part pyritic, abundant coarse quartz grains, rounded, frosted, trace granite wash, trace spar calcite w chert, black, pyritic
3750	3760	D		10		Dolomite (50%) dark brown black to black, cryptocrystalline, argillaceous, hard, tight, pyritic w shale (50%) black, bituminous, very dolomitic, trace floating quartz grains, trace chert, black.
3760	3770	D		10		Dolomite (80%) white to light gray, light gray brown, cryptocrystalline, hard, tight, in part sucrosic, pyritic, w dolomite and shale (20%) as above
3770	3820	D		50		Dolomite (100%) white to light gray, as above
3820	3849	D		29		Dolomite (100%) white to light brown, cryptocrystalline in part sucrosic, hard, tight, pyritic w trace light green shale, dolomitic
T.D. Driller 3849.5						

SAMPLES NOT LAGGED

SAMPLES LAGGED AT FT. PER MIN.

(Delete as appropriate)

SECTION III - Engineering Summary

- (a) Report of Drill Stem Tests: See "Drill Stem Test Data Sheet and *Lynes D.S.T. Report.
- (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: No lost circulation evident.
- (h) Report of Blowouts: Not applicable.

* Please Note - 3 copies of D.S.T. #1 have been sent to the DT AND, Yellowknife on March 23/73.

DRILLSTEM TEST DATA SHEET

AQUITAINE
COMPANY OF CANADA LTD.

TEST NO. 1

DATE Feb. 27/73

WELL NAME Aquit Highland Lk K-42

LOCATION Lat. 62°31' 39.87" N.
Long. 122°23' 36.18" W.

TEST DATA:

INTERVAL 2110 - 2153 SUB-SEA 924'-967' FORMATION Bear Rock Dol.

BLOW: (Describe) Good initial blow with faint indication of gas to surface in 2 mins.

Gas to Surface 2 Mins. Max. Rate (Measure) TSTM (Est.) Mcf/day

Describe Gas: Sweet X Sour Was Flare Lit

Describe Build-up, etc. Weak blow through test TSTM were able to light flare once flame went out immediately were unable to light it again.

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

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

Mud: 900' of fresh water-cut and 150' of salty ** water cut with trace of condensate.

Water: Nil ** 19.300 ppm by refractometer.

Remarks: (Special Samples, Sampling Points, Samples Retained, Etc.)
BH sampler (to C&G Labs, Edmonton)

RECORD OF FIELD PRESSURES AND TIMES:

Started in Hole	2:15 a.m.	Out of Hole	11:30 a.m.
Initial Hydrostatic		Pressure	905 psi.
Valve Open (Initial)	5	Mins. Pressure	447 psi.
Initial Shut-in	60	Mins. Pressure	578 psi.
Valve Open	80	Mins. Pressure (initial)	434 (final) 487 still building slightly psi.
Final Shut-in	90	Mins. Pressure	604 psi.
Final Hydrostatic		Pressure	915 psi.
Temperature	105°	Recorders No.	Depth No. Depth
Remarks			

HOLE DATA:

Hole Size & Depth 7 7/8" Mud: Wt. 94 Visc. 70 W.L. 9.0

TESTING EQUIPMENT:

Testing Co. Lynes United Ticket No.

Packer(s): No 4 Size 7"x27/8"x30" Choke (B.H.) 1/8"

Drill Pipe Size: 4 1/2" Drill Collars: Amit 466.7' I.D. 2 7/8"

Recorders: (No. & Type) 2 AKI Nos: 3356 & 3357 at 2142' & 2147'

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

REMARKS ON TEST: (Misrun, Disposition of Samples - Charts, Hole Problems, etc.)
Caught 8 fluid samples

COMPANY REPRESENTATIVE L.G. Mulholland

CASING INFORMATION

AQUITAINE
COMPANY OF CANADA LTD.

SURFACE CASING

INTERMEDIATE CASING O.D. 8 5/8

PRODUCTION CASING

LINER

WELL Aquit Highland LakeLOCATION K-42DATE Feb. 6/73

JTS. ON LOC.	FT. ON LOC.	CSG. WT.	GR.	RGE.	THD.	T & C	MAKE	JTS. RUN	DEPTH LANDED	FT. RUN IN WELL
<u>27</u>	<u>1150.45</u>	<u>24</u>	<u>K55</u>	<u>3</u>	<u>8 RD</u>	<u>S</u>	<u>NKK</u>	<u>13</u>	<u>540</u>	<u>555.86</u>
							<u>twothreads</u>			<u>3.25</u>
										<u>552.61</u>

ACCESSORIES

CENTRALIZERS MAKE _____ No. _____
POSITIONS _____SCRATCHERS MAKE _____ No. _____
POSITIONS _____

No. OF COLLARS WELDED _____

SHOE: MAKE <u>Wotco</u>	TYPE Cement	<u>1.80</u>
COLLAR: MAKE <u>Wotco</u>	TYPE Cement	<u>2.00</u>
LANDING JOINT LENGTH (WHEN USED)		<u>556.41</u>
OVERALL LENGTH OF STRING		
FEET UP FROM K.B. (SUBTRACT)		<u>16.41</u>
DEPTH SET - DRILLER	TALLY	<u>540.00</u>
SHOE JOINT OVERALL (SUBTRACT)		<u>43.05</u>
COLLAR DEPTH - DRILLER	TALLY	<u>496.95</u>

REMARKS Shoe & Float Collar Thread Locked

RUNNING AND CEMENTING

RUNNING

POWER TONGS Rig Tongs TORQUE: MAX _____ NOM _____ MIN _____TIMES: STARTED IN: 11:00 p.m. ON BOTTOM 1:15 a.m. CIRCULATED MIN 45 min.FILL UP POINTS 3rd, 6th, 9th, 12th, & 13th Joint

CEMENTING

CEMENT COMPANY Halliburton Services Ltd.TYPES AND QUANTITY OF CEMENT 333 SKS Inland OilwellSLURRY WT. 14.7-15.6 WATER AHEAD 10 BBLsTIMES: START MIX 3:45 a.m. FINISH 4:25 a.m. START DISP. 4:45 a.m. FINISH 5:10 a.m.CALC. DISP. 31.6 BBLs PRESSURES: MAX. PUMP 750 BUMP 900 psi

CEMENT RETURNS YES/NO No. OF BBLs _____

LANDING

TIME 5:10 a.m. DATE Feb. 6/73 WT. OF STRING (LESS BLOCKS) _____

WT. LANDED IN SLIPS _____ LANDING BOWL (SIZE x SERIES x TYPE) _____

REMARKS Recemented from surface w/50 SKS inland oilwell cement.

PIPE TALLY

AQUITAINE
COMPANY OF CANADA LTD.SHEET No. 1 OF 1 Highland K-42SIZE 8 5/8 " O.D. 24 WT. 24 PPF. GRADE K55 THREAD 8 RD MAKE NKK SeamlessON LOCATION 27 JOINTS 1150+ FT. LEFT OUT 14 JOINTS 575 FT. IN HOLE 13 JOINTS 559 FT.

REMARKS _____

A				C				E		G		I		K		M		O		Q		TOTALS	
1	42 65	21	43 05	41	61	81	101	121	141	161											A	426	70
2	42 97	22	43 02	42	62	82	102	122	142	162											B	129	15
3	43 05	23	43 04	43	63	83	103	123	143	163											C	424	66
4	42 88	24	43 02	44	64	84	104	124	144	164											D	169	94
5	43 05	25	42 41	45	65	85	105	125	145	165											E		
6	42 99	26	43 00	46	66	86	106	126	146	166											F		
7	43 06	27	42 61	47	67	87	107	127	147	167											G		
8	41 05	28	40 60	48	68	88	108	128	148	168											H		
9	41 95	29	41 70	49	69	89	109	129	149	169											I		
10	43 05	30	42 21	50	70	90	110	130	150	170											J		
11	426 70	31	424 66	51	71	91	111	131	151	171											K		
12		32	41 47	52	72	92	112	132	152	172											L		
13	43 05	33	42 56	53	73	93	113	133	153	173											M		
14		34	43 00	54	74	94	114	134	154	174											N		
15		35		55	75	95	115	135	155	175											O		
16		36		56	76	96	116	136	156	176											P		
17		37		57	77	97	117	137	157	177											Q		
18		38		58	78	98	118	138	158	178											R	1150	45
19		39		59	79	99	119	139	159	179													
20		40	94 6	60	80	100	120	140	160	180													
11	129 15	41	169 94	61	81	101	121	141	161	181													
12		42		62	82	102	122	142	162	182													
13		43		63	83	103	123	143	163	183													
14		44		64	84	104	124	144	164	184													
15		45		65	85	105	125	145	165	185													
16		46		66	86	106	126	146	166	186													
17		47		67	87	107	127	147	167	187													
18		48		68	88	108	128	148	168	188													
19		49		69	89	109	129	149	169	189													
20		50		70	90	110	130	150	170	190													
11	426 70	51	424 66	71	91	111	131	151	171	191													
12		52	41 47	72	92	112	132	152	172	192													
13	43 05	53	42 56	73	93	113	133	153	173	193													
14		54	43 00	74	94	114	134	154	174	194													
15		55		75	95	115	135	155	175	195													
16		56		76	96	116	136	156	176	196													
17		57		77	97	117	137	157	177	197													
18		58		78	98	118	138	158	178	198													
19		59		79	99	119	139	159	179	199													
20		60	94 6	80	100	120	140	160	180	200													
11	129 15	61	169 94	81	101	121	141	161	181	201													
12		62		82	102	122	142	162	182	202													
13		63		83	103	123	143	163	183	203													
14		64		84	104	124	144	164	184	204													
15		65		85	105	125	145	165	185	205													
16		66		86	106	126	146	166	186	206													
17		67		87	107	127	147	167	187	207													
18		68		88	108	128	148	168	188	208													
19		69		89	109	129	149	169	189	209													
20		70		90	110	130	150	170	190	210													
11	426 70	71	424 66	91	111	131	151	171	191	211													
12		72	41 47	92	112	132	152	172	192	212													
13	43 05	73	42 56	93	113	133	153	173	193	213													
14		74	43 00	94	114	134	154	174	194	214													
15		75		95	115	135	155	175	195	215													
16		76		96	116	136	156	176	196	216													
17		77		97	117	137	157	177	197	217													
18		78		98	118	138	158	178	198	218													
19		79		99	119	139	159	179	199	219													
20		80	94 6	100	120	140	160	180	200	220													
11	129 15	81	169 94	101	121	141	161	181	201	221													
12		82		102	122	142	162	182	202	222													
13		83		103	123	143	163	183	203	223													
14		84		104	124	144	164	184	204	224													
15		85		105	125	145	165	185	205	225													
16		86		106	126	146	166	186	206	226													
17		87		107	127	147	167	187	207	227													
18		88		108	128	148	168	188	208	228													
19		89		109	129	149	169	189	209	229													
20		90		110	130	150	170	190	210	230													
11	426 70	91	424 66	111	131	151	171	191	211	231													
12		92	41 47	112	132	152	172	192	212	232													
13	43 05	93	42 56	113	133	153	173	193	213	233													
14		94	43 00	114	134	154	174	194	214	234													
15		95		115	135																		

BIT RECORD

AQUITAINE
COMPANY OF CANADA LTD.

PAGE 1 OF 1

WELL NAME Aquit Highland Lake K-42 DRILL PIPE: SIZE O.D. 4 1/2 WT. 16.40 TYPE I.J. FH 4 1/2

LOCATION Lat-60°31' Long 122°23' 36.18 SIZE O.D. 16 WT. 6 1/4 TYPE I.J. 4 1/2 H90

CONTRACTOR Guthrie McLaren No. O.D. O.D. O.D. O.D. TYPE I.J. TYPE I.J. TYPE I.J. TYPE I.J.

RIG No. 4 No. O.D. O.D. O.D. TYPE I.J. TYPE I.J. TYPE I.J.

DATE SPUDDED 1:00 P.M. Feb. 3/73

DATE RIG RELEASED _____

BIT NO.	SIZE	MAKE	TYPE	SERIAL NO.	NOZZLE SIZES	DEPTH OUT	FEET	HOURS	CUM. HOURS	NO. OF D.C.'s	WT. 1000#	RPM	DUAL COND T B G	REMARKS
1-A	12 1/4	REED	YT3	201624	3/15	166	166	8 1/2	8 1/2	12	2/5	120	3 1 1	
1-B	7 7/8	REED	ST3	591552	3/13	500	334	19 1/2	28	12	2/3	160	3 2 1	Pilot Hole
2-A	12 1/4	REED	YT3	391758	3/15	540	40	1 3/4	29 3/4	12	8/10	160	2 1 1	
1	7 7/8	SEC	S44	913572	3/11	981	441	11 1/2	11 1/2	14	20	85	4 4 1	
2	7 7/8	SMITH	SVH	MC632	2-11 1-12	1665	684	26	37 1/2	16	30	80	5 4 1	
3	7 7/8	SEC	S-86	420984	2-11 1-12	2078	413	37 3/4	75 1/4	16	30	50	1 1 1	
1	6 3/16	DY-DR				2108	30	10 3/4		16	5/14	78	GOOD	
4	7 7/8	SMITH	SVH	MC617	2-11 1-12	2110	32	7	82 1/4	16	5-7	90	2 2 1	Ream 30' Drill 2'
5RR	7 7/8	SECURITY	S86	420984	2-11 1-12	2384	274	26 3/4	109	16	30	50	3 4 1	Total Hrs on Bit 64 1/2
6	7 7/8	"	S86	421516	2-11 1-12	3160	776	77 1/4	186 1/4	16	30	50	6 5 1	
7	7 7/8	"	M88	398180	2-11 1-12	3210	50	6	192 1/4	16	33	50	2 1 1	
1	6 3/16	DY-DRILL		No Ser.		3225	15	6 1/4		16	10	65	GOOD	
RR8	7 7/8	SMITH	SVH	MC617	2-11 1-12	3225	15	2 1/4	194 1/2	16	8	80/90	2 2 1	Ream 15'
RR9	7 7/8	SECURITY	M88	398180	2-11 1-12	3255	30	2 1/2	197	16	30	50	2 1 1	
1	6 3/16	DY-DR		No Ser.		3263	8	4 3/4		16	10	65	GOOD	
RR10	7 7/8	SMITH	SVH	MC 617	1-10 1-12	3263	8	1	198	16	8	80	2 2 1	Ream 8'
RR11	7 7/8	SECURITY	M88	398180	2-11 1-12	3582	319	45 1/4	243 1/4	16	30	50	3 2 1	Plugged Jets
12	7 7/8	SEC.	S88	418074	3-13	3849	267	52 3/4	296	16	30	45	2 1 1	TD

Mud and Additive Report

Aquit Highland Lake K-42

<u>Date</u>	<u>Depth (8am)</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Additives</u>
Feb. 4/73	274	9.0	120	- 7000# gel 100# lime 100# caustic 2 gal DV-68
Feb. 6/73	540	9.3	130	- 1100# gel
Feb. 8/73	975	8.8	39	- 2900# gel 200# Bicarbon 50# caustic 5½ gals DV-68 10 sks sawdust
Feb. 9/73	1597	9.4	38	- 1200 # gel 50# CMC 1 gal DV-68
Feb. 10/73	1798	9.6	41	200# gel 50# CMC 200# Bicarb. 1 DO# soda ash
Feb. 11/73	2040	9.6	44	100# gel 75# CMC 1 gal DV-68
Feb. 12/73	2085	9.5	62	1000# gel 50# CMC
Feb. 13/73	2110	9.3	62	500# gel ½ gal DV-68
Feb. 14/73	2320	9.4	68	2700# gel 100# caustic 225# peltex 2½ gal. DV-68 100# soda ash
Feb. 15/73	2508	9.2	66	4400# gel 200# caustic 75# CMC 350# peltex ½ gal. DV-68 250# lignite
Feb. 16/73	2730	9.4	60	800# gel 50# CMC
Feb. 17/73	2955	9.4	70	4000# gel 50# caustic 150# CMC 50# peltex
Feb. 18/73	3160	9.4	62	2500# gel 50# caustic 200# CMC 50# peltex
Feb. 19/73	3225	9.3	70	1400# gel 600# salt gel 200# starch 50# caustic 50# peltex

AQUITAINE COMPANY
OF CANADA LTD.

<u>Date</u>	<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Additives</u>
Feb. 20/73	3263	9.3	58	2300# gel 100# salt gel 200# starch
Feb. 21/73	3402	9.4	60	1900# gel 900# salt gel 50# persevative 50# caustic 50# peltex 650 starch
Feb. 22/73	3547	9.4	67	1200# gel 600# salt gel 650# starch 50# caustic 50# peltex
Feb. 23/73	3620	9.3	57	600# gel 300# salt gel 50# perservative 50# caustic 50# peltex
Feb. 24/73	3740	9.4	55	3200# gel 1400# salt gel 500# starch 500# caustic 50# peltex
Feb. 25/73	3849	9.3	60	2800# gel 1400# salt gel 700# starch 100# caustic 100# peltex
Feb. 26/73	3849	9.3	60	no additives
Feb. 27/73		9.3	71	no additives

DEVIATION SURVEY REPORT

WELL NAME: Aquit Highland Lake K-42

LOCATION: Lat - 60°-31" - 39.87"
Long - 122°-23" - 36.18"

DEPTH	DEVIATION
100	2 3/4°
163	3°
190	3°
218	3 1/8°
334	3°
366	3°
429	2 3/4°
500	2 3/4°
540	2 3/4°
620	2 3/4°
800	2°
945	1 1/2°
1190	1 3/4°
1413	2°
1665	2 3/4°
2078	2 3/4°
2384	3°
2853	3°
3160	3°
3849	3°

PLUG-BACK AND ABANDONMENT REPORT

AQUITAINE
COMPANY OF CANADA LTD.Well Aquit Highland Lake K-42Location Lat 62°31' 39.87" N.
Long 122°23' 36.18" W

Hole Size	7 7/8"			
Depth	3849			

K.B. Elev. 1185.87F.T.D. 3849'

Casing In Hole	Size	Set at	Top of Cement
Surface Casing	8 5/8"	541	Surface
Production String			

Fluid In Hole MudPlug Back String 4 1/2" DPService Company HalliburtonCons. Bd. Officer None

	Plug #1	Plug #2	Plug #3	Plug #4	Plug #5	Plug #6
Date	2/27/73	2/27/73	2/28/73	2/28/73		
Interval - Top Bottom	3645 3849	1965 2265	1447 1650	490 590		
Formation - Name Depth	CAM. SH& DOL 3740	Man. & Bear Rock DOL 2064	NAH I.S. 1547	Surf. Csg.		
Calipered Hole Size (Average)	7 7/8"	7 7/8"	7 7/8"	50'-8 3/4" 50"-Csg.		
Type of Cement	Oilwell	Oilwell	Oilwell	Oilwell		
Number of Sacks	90	120	80	75		
Additives	Nil	Nil	2% CaCl ₂	2% CaCl ₂		
Bbls. of Water Ahead	9	9	9	25		
Displacement - Bbls. Water Bbls. Mud	3 44	3 25	3 15	7 -		
Slurry Weight	15.4	15.6	15.5	15.6		
Mixing Times - Start Finish	9:35 pm 9:55 pm	11:20 pm 12:01 am	8:45 am 9:05 am	6:05 pm 6:15 pm		
Displacing Times - Start Finish	10:00pm 10:15 pm	12:05 am 12:15 am	9:10 am 9:20 am	6:20 pm 6:30 pm		
Felt Plug Time	N.R.	8:15 am	5:15 pm	2:30 am 3/1/73		
Felt Plug Depth	N.R.	1930	1400	470		

Surface Casing Cut 3 Ft. Below Grd. Surface Plugs 5 Sacks. Plate Welded Yes/No.

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

Remarks 6' Riser welded on top of plate with wellsign.Agent of Operator L.G. Mulholland

Aquit Highland Lake K-42

SECTION IV - Logs

<u>Date Run</u>	<u>Run No.</u>	<u>Interval</u>	<u>Type</u>
Feb. 25/73	1	3845-537	Dual Induction - Laterolog
Feb. 25/73	1	3847-1400	Compensated Neutron Formation Density Log
Feb. 26/73	1	3838-surface	Borehole Compensated Sonic Log
Feb. 26/73	1	3847-537	Continuous Dipmeter
Feb. 26/73	1		Velocity Survey

Please Note:

Two copies of each of the following logs were sent to
Yellowknife on February 27, 1973:

Borehole Compensated Sonic Log
Compensated Neutron Formation Density
Dual Induction - Laterolog

Aquit Highland Lake K-42

SECTION V - Analysis

- (a) Water Analysis: See "Water Analysis" (Chem. & Geo. Labs)
- (b) Gas Analysis: See "*Gas Analysis Report" (Chem. & Geo. Labs)

Please Note: 3 copies of each the Water Analysis and the Gas Analysis were mailed to Yellowknife March 21/73.

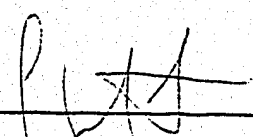
SECTION VI - Completion Summary not applicable

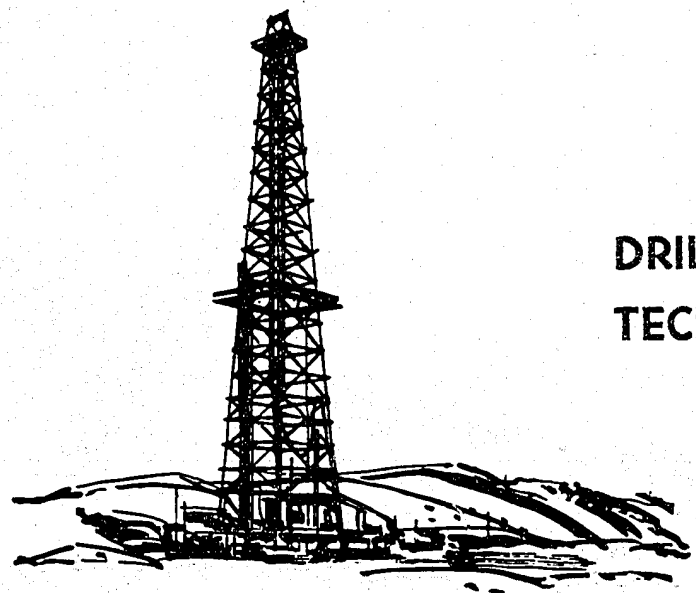
SUBMITTED BY AQUITAINE COMPANY OF CANADA LTD.

DATE:

June 6/73

BY:


G. Kuhn de Chizelle



**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

Aquitaine Co. of Canada Ltd.

Company

Aquit Highland K-42

Well Name and Description

#1

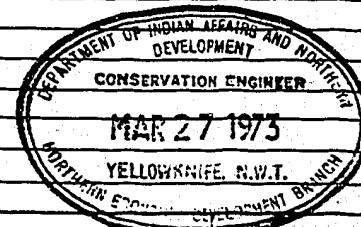
Test No.

Feb 27/73

Date of Test

LYNES UNITED SERVICES LTD.

TEST DATA				GENERAL INFORMATION			
Test No. 1		Lynes Test 1		Company Aquitaine Oil of Canada Ltd.			
Formation		T.D. 3849 Ft.		Address			
Interval Tested 21 10		Ft. to 2153					
Interval Tested 43		Ft. Net Pay Tested					
Type of Test Dual Straddle By-pass							
Cushion		Amount		Ft.		Well Name Aquit Highland	
Started in Hole at 2:15		Hrs. Tool Open at 5:00		Hrs.		Well Number K-42	
Pre-Flow 5		Mins. Initial Shut-in 60		Mins.		K.B. Elevation Sub-Sea Elevation	
2nd Flow		Mins. Second Shut-in		Mins.		Area highland Lk. Province NWT	
Final Flow 80		Mins. Final Shut-in 90		Mins.		Company Rep. L. Mulholland	
Remarks:				Tester E. Domeij			
Very cold - 450 had difficulty				Contractor Guthrie			
Blow: making up tool joints.				Ticket No. 5764 Date Feb 27/73			
Too weak to measure.				Service Reports To:			
				5 - above address			
GAS BLOW MEASUREMENTS							
Measured with				MUD AND HOLE DATA			
				Mud Type Gel Chem			
				Weight 9.4 Viscosity 70 Water Loss 9			
				Filter Cake 2/32" Bottom Hole Temperature 105			
				Drill Pipe Size 4 1/2" FH Weight 16.6			
				Drill Collars 4 1/2H90 I.D. 2 7/8 Feet Run 467			
				Main Hole or Casing Size 8 5/8"			
				Rathole or Liner Size 7 7/8 No. of Feet			
				Bottom Hole Choke Size 1/2"			
				Surface Choke Size 1 1/4"			
				Packer Rubber Size 7 x 2 7/8 x 30			
				REMARKS Charts ran out in 45 minutes on final flow.			
				Shut-in pressures suggest excellent permeability within the interval tested.			
RECOVERY							
TOTAL FLUID RECOVERED 1050 Ft. Consisting of:							
900 Ft. of fresh water with trace of condensate							
150 Ft. of salt water with trace of condensate							
Ft. of							
Ft. of							
Test was/was not Reverse Circulated was							
Oil Recovery A.P.I. Water Specific Gravity							
Salinity 19,300 PPM							
PRESSURE READINGS							
Inside Outside X		Inside Outside X		Inside Outside		Inside Outside	
Recorder No. 3356		Recorder No. 3357		Recorder No.		Recorder No.	
Capacity 5300		Capacity 5700		Capacity		Capacity	
Depth 2143		Depth 2148		Depth		Depth	
NUMBER KEY:							
1 - INITIAL HYDROSTATIC		1068		1069			
2 - PRE-FLOW		462		475			
3 - INITIAL SHUT-IN		654		651			
4a - 2nd INITIAL FLOW							
4b - 2nd FINAL FLOW							
4c - 2nd SHUT-IN							
5 - 3rd INITIAL FLOW		457		467			
6 - FINAL FLOW		500(45 min)		499(45 min)			
7 - FINAL SHUT-IN		clock ran out		clock ran out			
8 - FINAL HYDROSTATIC		" "		" "			



Aquitaine Co. of Canada Ltd.

Aquit Highland K-42

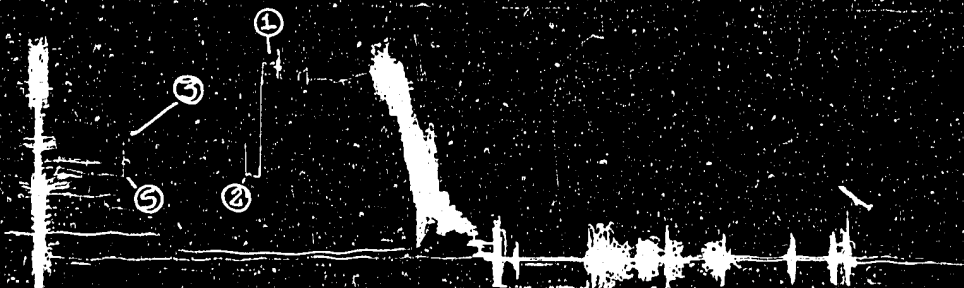
Well Name and Description

Test No.

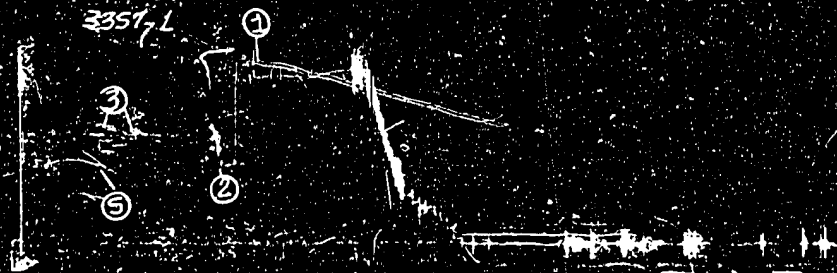
Date of Test

Feb 27/73

ADULT HIGHLAND K-42
3356-L



3357-L



CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No E73-3213-9 Received Mar. 2, 1973 Reported Mar. 13, 1973Well: Aquit, Highland Lk. 42 Operator: AQUITAINE COMPANY OF CANADA LTD.Field or Area: _____ Location: 62-31-40-23 (W6) Elev.: K.B. Grd.: _____Zone and Formation: _____ Sample Interval: 2110 - 2153

Well production at sampling time: Oil _____ bpd; Gas _____ MCFD; Water _____ bpd.

Sampled from: MFE Chamber Sampled by: Lynes United Services Date: Feb. 27, 1973

Pressure: (a) at point of sampling _____ psig (b) Gas Bomb pressure _____ psig

Temperature: (a) at point of sampling _____ °F (b) Separator _____ °F

Pressures: Reservoir _____ Tubing _____ Casing _____ Separator _____

OTHER PERTINENT DATA. Method of Production: D.S.T. #1. Recovered 1050'.

					(Signed)
COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY	
Helium	<u>1.00</u>		pentanes + <u>0.074</u>	Calculated	<u>0.960</u>
Hydrogen sulfide	<u>0.</u>		at 12 lbs. <u>0.</u>	by Weight	<u>Insufficient</u>
Carbon dioxide	<u>0.05</u>		at 15 lbs. <u>0.078</u>	CRITICALS (Calculated)	
Nitrogen	<u>96.74</u>		at 22 lbs. <u>0.090</u>	Pc	<u>491.4</u>
Methane	<u>1.33</u>		at 26 lbs. <u>0.100</u>	Tc	<u>230.4</u>
Ethane	<u>0.38</u>		VAPOR PRESSURE (Calc.) @ 100°F. Pentanes +		<u>12.56</u>
Propane	<u>0.14</u>	<u>0.032</u>	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a.		<u>0.</u>
Isobutane	<u>0.03</u>	<u>0.008</u>	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry)		<u>37.8</u>
N-butane	<u>0.10</u>	<u>0.026</u>	(sat.)		<u>37.1</u>
Isopentane	<u>0.05</u>	<u>0.015</u>	Acid Gas Free (dry)		<u>37.8</u>
N-pentane	<u>0.09</u>	<u>0.027</u>	DEW POINT (Calc.) p.s.i.	950	1050 1200
Hexanes	<u>0.07</u>	<u>0.025</u>	FAH.	<u>-36</u>	<u>-43</u> <u>-49</u>
Heptanes	<u>0.02</u>	<u>0.007</u>	Mol. Wt.: Total Gas	<u>27.810</u>	Heptanes + <u>96.028</u>
Octanes	<u>0.</u>	<u>0.</u>	A Lynes United down hole sampler was received under 2"Hg vacuum. Contained in the chamber was gas and 3110 cc. water (muddy).		
Nonanes	<u>0.</u>	<u>0.</u>			
Decanes +	<u>0.</u>	<u>0.</u>			
TOTAL	<u>100.00</u>	<u>0.140</u>			

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. E73-3213-8

Received: Mar. 2, 1973 Reported: Mar. 13, 1973

Well: Location: Aquit. Highland Lk. 42 62-31-40-23 (W6)

Operator: AQUITAINE COMPANY OF CANADA LTD.

Field or Area:

Elev.: K.B. Grd.

Zone/Formation:

Sample Interval: 2110 - 2153

Method of Production: D.S.T. #1 Sampled from: Tool

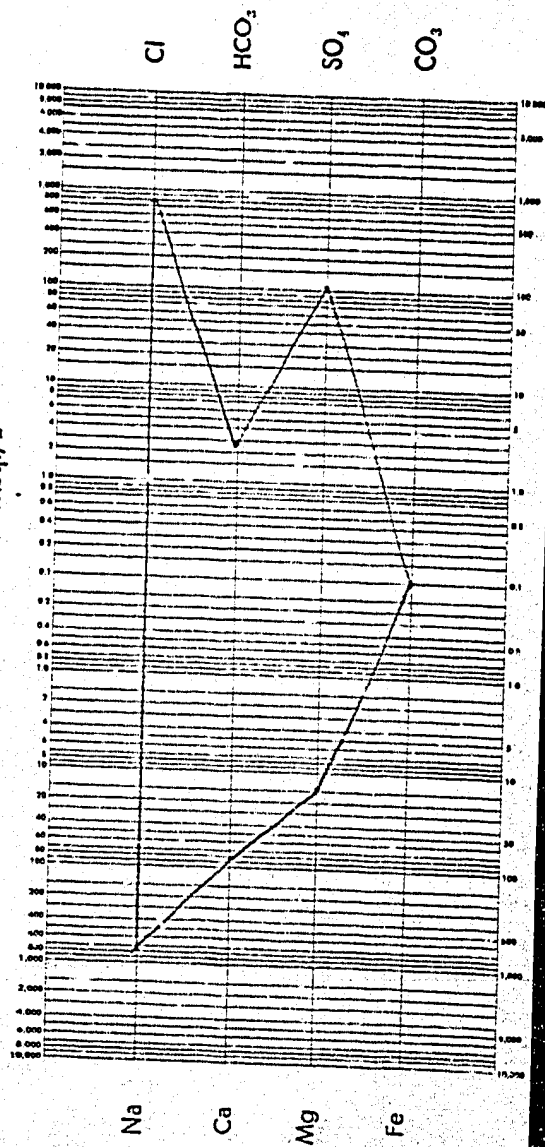
Sampled by: Lynes United Service Date: Feb. 27, 1973

OTHER PERTINENT DATA Recovered 1050'.

(Signed)

Mg./L	Na & K	K	Ca	Mg	SO ₄	Cl	CO ₃	HCO ₃	OH
18076			1714	180	4810	27800	NIL	160	NIL
786.30			85.53	14.80	100.05	783.96	---	2.62	---
44.34			4.82	0.83	5.64	44.21	---	0.15	---

Total Solids Mg/L: By Evaporation 58100 Fe TRACE Specific Gravity 1.042 @60°F Observed pH 7.9 @ 69 °F
 Calculated 52740 After Ignition 51040 H₂S NIL Refractive Index 1.3428 @25°C Resistivity 0.166 ohm meters @ 68 °F
 ORGANIC MATTER: VERY MUCH Pattern Unit Meq/L



Remarks and Conclusions Sample consisted of muddy water with a light yellowish coloured filtrate.

Continued.....

CHEMICAL & GEOLOGICAL LABORATORIES LIMITED

OPERATOR: AQUITAINE COMPANY OF CANADA LTD.

REPORT NUMBER: E73-3213

DATE SAMPLED: February 27, 1973

DATE RECEIVED: March 2, 1973

DATE REPORTED: March 13, 1973

LABORATORY NUMBER	SAMPLE POINT	RESISTIVITY (OHM-Meters @ 68°F.)		SAMPLE DESCRIPTION
E73-3213-1	Top	1.71		Watery mud with a light yellowish brown filtrate.
-2	Top of Collars	1.63		Watery mud with a light yellowish brown filtrate.
-3	Approx. 1400 ft.	1.65		Watery mud with a light yellowish brown filtrate.
-4	Approx. 1800 ft.	1.65		Watery mud with a light yellowish brown filtrate.
-5	Collars at 1850 ft.	0.431		Muddy water with a light yellowish brown filtrate.
-6	Collars at 1900 ft.	0.294		Muddy water with a light yellowish brown filtrate.
-7	Collars at 1960 ft.	0.922		Watery mud with a light yellowish brown filtrate.
-8	Tool	SEE COMPLETE ANALYSIS		
-9	MFE Chamber	0.370 (See Note)		

NOTE: Lab. #E73-3213-9 was received in a Lynes United down hole sampler under 2" Hg vacuum. Contained in the chamber was gas and 3110 mls. of muddy water. The filtrate was light brown in color. It appeared to be a good sample.

E73-3213-9: BENZENE & TOLUENE DETERMINATION: Benzene - 1.46 P.P.M.
Toluene - 3.44 P.P.M.

No 7549

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lesse
Well Name Aguit Highland LK. K-42 Date
Location — 62 Sec. 31 Twp. 40 N. 23 W. 36 E. MARCH 1 1973Weather CLOUD Road Conditions POOR Nearest Town FT. SAMPSON Water - Source LAKE Miles Hauled 1.5 Pumped 0 Camp Distance from Rig 500 YDS Reason for Extra L. Plant CAMP

OPERATOR <u>AGUITALINE</u>	Rig No. <u>4</u>	Drill Pipe String <u>8</u>	Tool Joint <u>5 3/4</u>	O.D. <u>5 3/4</u>	PUMPS	Size <u>8 3/8</u>	Make <u>NEW</u>	Wt. & Gr. <u>24 # K55</u>	No Joints <u>13</u>	Feet <u>540</u>	RKB. to CSO. HD.	Set at	Remarks
SIGNATURE OF OPERATOR'S REPRESENTATIVE <u>[Signature]</u>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <u>[Signature]</u>	No.	MANUFACTURER <u>NAT</u>	TYPE <u>2250</u>	STROKE LENGTH <u>15"</u>	LAST CASING TUBING OR LINER							

TIME DISTRIBUTION—HOURS				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D RM-R Core-C		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Rig Up & Tear Down	<u>5 1/2</u>					Stands D.P.	Ft.	Bit No.		Time		From	To	Page															
Drilling Actual						Singles D.P.	Ft.	Size		Weight																			
Running						D.C.		Mfg.		Visc.-Sec.																			
Conditioning Mud & Circulating						I.D. O.D.	Ft.	Type		W.L.-C.C.																			
Trips	<u>1/4</u>					D.C.		No.		FL TR. CK.																			
Lubricate Rig						I.D. O.D.	Ft.	Nozzle		PH																			
Deviation Survey						Sb. Body O.D.	Ft.	Ser. No.		SD. Cont. %																			
Test B.O.P.						Sb. Body O.D.	Ft.	Depth Out		Pressure Gradient																			
Cut Off Drilling Line						Rmr. Body O.D.	Ft.	Depth In																					
Repair Rig						Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added																			
Coring						Bit or C.B.	Ft.	Total Hr. Run		Type	Amt.	Type	Amt.																
Wire Line Logging						Kelly Down	Ft.	Cond. of Bit																					
Running Casing & Cementing						Total	Ft.	Reamer No.																					
Valting on Cement	<u>2 1/2</u>					Wt. of String	Lbs.	Reamer Type																					
Drill Stem Test						Pipe in Hole	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.																				
Other						Pipe on Racks	Jts.	Trucker																					
Fishing						Total Pipe on Lease	Jts.	Trucker		Driller	<u>Alan Anger</u>																		

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
WOC.
RUN IN HOLE + FEEL RIG #4.
TEAR OUT RIG.
Plug no 4 FELT @ 470'
FUEL 1.60
RIG RELEASED 4:00 AM

COMPLETION WORK				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D RM-R Core-C		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
A. Perforating						Stands D.P.	Ft.	Bit No.		Time		From	To	Page															
B. Tubing Trips						Singles D.P.	Ft.	Size		Weight																			
C. Swabbing						D.C.		Mfg.		Visc.-Sec.																			
D. Testing						I.D. O.D.	Ft.	Type		W.L.-C.C.																			
E. Additional						D.C.		No.		FL TR. CK.																			
Totals	<u>8</u>					I.D. O.D.	Ft.	Nozzle		PH																			
TIME SUMMARY (Office Use Only)						Sb. Body O.D.	Ft.	Ser. No.		SD. Cont. %																			
Day Work						Sb. Body O.D.	Ft.	Depth Out		Pressure Gradient																			
Hrs. W/DP						Rmr. Body O.D.	Ft.	Depth In																					
Hrs. WO/DP						Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added																			
Hrs. Standby						Bit or C.B.	Ft.	Total Hr. Run		Type	Amt.	Type	Amt.																
						Kelly Down	Ft.	Cond. of Bit																					
						Total	Ft.	Reamer No.																					
						Wt. of String	Lbs.	Reamer Type																					
						Pipe in Hole	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.																				
						Pipe on Racks	Jts.	Trucker																					
						Total Pipe on Lease	Jts.	Trucker		Driller																			

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
TEAR OUT and Move to New Location

WIRE LINE RECORD				NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR-D RM-R Core-C		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Reel No.	<u>E716</u>					Stands D.P.	Ft.	Bit No.		Time		From	To	Page															
No. of Lines	<u>8</u>	Size	<u>1 1/8</u>			Singles D.P.	Ft.	Size		Weight																			
Feet Slipped	<u>43</u>					D.C.		Mfg.		Visc.-Sec.																			
Feet Cut Off	<u>75</u>					I.D. O.D.	Ft.	Type		W.L.-C.C.																			
Present Length						D.C.		No.		FL TR. CK.																			
Ton Mi. or Trips Since Last Cut	<u>272.51</u>					I.D. O.D.	Ft.	Nozzle		PH																			
Cumulative Ton. Mi. or Trips						Sb. Body O.D.	Ft.	Ser. No.		SD. Cont. %																			
No. of Days From Spud	<u>26</u>					Sb. Body O.D.	Ft.	Depth Out		Pressure Gradient																			
Cumulative Rotating Time						Rmr. Body O.D.	Ft.	Depth In																					
						Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added																			
						Bit or C.B.	Ft.	Total Hr. Run		Type	Amt.	Type	Amt.																
						Kelly Down	Ft.	Cond. of Bit																					
						Total	Ft.	Reamer No.																					
						Wt. of String	Lbs.	Reamer Type																					
						Pipe in Hole	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.																				
						Pipe on Racks	Jts.	Trucker																					
						Total Pipe on Lease	Jts.	Trucker		Driller																			

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
TEAR OUT & MOVE TO NEW LOCATION

Nº

7548

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease Well Name Aguit Highland LK.

Date

Location - Lnd. 62 Sec. 31 Twp. 40 Rg. 23 W. 36 M.

FEB 28 1973

Weather Condition COLDRoad Condition PoorNearest Town SIMPSONWater - Source LakeMiles Hauled 1

Pumped

Camp Distance from Rig 500 ydsReason for Extra L. Plant CAMP

OPERATOR

Haustrane

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Rig No.

4

DWKS

U34

Drill Pipe

String

No.

2

Size

4 1/2

Tool Joint

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

Thd.

FH

O.D.

53/4

Type

FH

No 7547

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

K-42

Form 6

Lease Name Aquit Highland Lk. 2624
Well Name 62-31-40-122-23-36
Location - Lat. 36-27-27 N. Long. 93-27-27 W. Date FEB 27 1973

Weather Condition C-43

Road Conditions POOR

Nearest Town FT SIMPSON

Water - Source LAKE

Miles Hauled

Pumped

Camp Distance from Rig 500 YDS
Reason for Extra L. Plant CAMP

OPERATOR

Rig No. 4
DWKS 4-34Drill Pipe String 5 3/4 O.D.
No. 2 Size 4 1/2 Type Tbd. FH

PUMP

MANUFACTURER TYPE STROKE LENGTH
1. NAT E250 15"
2.
3.

LAST CASING TUBING OR LINER

Size Make Wt. & Gr. No Joints Feet RKB. to CSO. HD. Set at Remarks
8 5/8 NEW 24" K55 13 540

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION - HOURS

	Morn.	Day	Eve
Rig Up & Tear Down	Run Pumps	1 1/2	
Drilling Actual			
Running Pumps	1		
Conditioning Mud & Circulating			
Trips	1/4	1 1/4	3/4
Lubricate Rig	1/4		
Deviation Survey	2 1/2		
Test B.O.P.	1		
Cut Off Drilling Line			
Repair Rig			
Coring	1/2		
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test	4	3 1/2	
Other	1 1/2		
Tool Out Test	2		
Tool Out Test			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	
Total Day Work	

WIRE LINE RECORD

Reel No. E 216
No. of Lines 8 Size 1 1/8
Feet Slipped 43
Feet Cut Off 75
Present Length
Ton Mi. or Trips Since Last Cut 222.56
Cumulative Ton Mi. or Trips
No. of Days From Spud 24
Cumulative Rotating Hrs.

MORNING TOUR

DAY TOUR

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR				BIT RECORD				MUD RECORD				FOOTAGE				DR-D RM-R Core-C		Core No.		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run					
Standards D.P.				Fe.				Time				From				To		Fig.										Liner Size		S.P.M.		SGL-S Par'd-P Com'd-C					
Singles D.P.				Fe.				Weight																													
D.C.				Mfg.				Visc.-Sec.																													
I.D. O.D.				Fe.				Type				W.L.-C.C.																									
D.C.				No.				FL TR. CK.																													
I.D. O.D.				Fe.				PH																													
Sth. Body O.D.				Fe.				Ser. No.				SD. Cont. %																									
Sth. Body O.D.				Fe.				Depth Out				Pressure Gradient																									
Rmr. Body O.D.				Fe.				Depth In																													
Subs O.D.				Fe.				Total Ftg.				Mud & Chemicals Added																									
Bit or C.B.				Fe.				Total Hr. Run				Type Amt. Type Amt.																									
Kelly Down				Fe.				Cond. of Bit																													
Total				Fe.				Reamer No.																													
Wt. of String				Lbs.				Reamer Type																													
Pipe in Hole				Jts.				Water Charges Reg. Hrs. O.T. Hrs.																													
Pipe on Racks				Jts.				Trucker																													
Total Pipe on Lease				Jts.				Trucker				Driller																									
NO.				DRILLING ASSEMBLY AT END OF TOUR				BIT RECORD				MUD RECORD				FOOTAGE				DR-D RM-R Core-C		Core No.		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Standards D.P.				Fe.				Time				From				To		Fig.												Liner Size		S.P.M.		SGL-S Par'd-P Com'd-C			
Singles D.P.				Fe.				Weight																													
D.C.				Mfg.				Visc.-Sec.																													
I.D. O.D.				Fe.				Type				W.L.-C.C.																									
D.C.				No.				FL TR. CK.																													
I.D. O.D.				Fe.				PH																													
Sth. Body O.D.				Fe.				Ser. No.				SD. Cont. %																									
Sth. Body O.D.				Fe.				Depth Out				Pressure Gradient																									
Rmr. Body O.D.				Fe.				Depth In																													
Subs O.D.				Fe.				Total Ftg.				Mud & Chemicals Added																									
Bit or C.B.				Fe.				Total Hr. Run				Type Amt. Type Amt.																									
Kelly Down				Fe.				Cond. of Bit																													
Total				Fe.				Reamer No.																													
Wt. of String				Lbs.				Reamer Type																													
Pipe in Hole				Jts.				Water Charges Reg. Hrs. O.T. Hrs.																													
Pipe on Racks				Jts.				Trucker																													
Total Pipe on Lease				Jts.				Trucker				Driller																									
NO.				DRILLING ASSEMBLY AT END OF TOUR				BIT RECORD				MUD RECORD				FOOTAGE				DR-D RM-R Core-C		Core No.		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Standards D.P.				Fe.				Time				From				To		Fig.												Liner Size		S.P.M.		SGL-S Par'd-P Com'd-C			
Singles D.P.				Fe.				Weight																													
D.C.				Mfg.				Visc.-Sec.																													
I.D. O.D.				Fe.				Type				W.L.-C.C.																									
D.C.				No.				FL TR. CK.																													
I.D. O.D.				Fe.				PH																													
Sth. Body O.D.				Fe.				Ser. No.				SD. Cont. %																									
Sth. Body O.D.				Fe.				Depth Out				Pressure Gradient																									
Rmr. Body O.D.				Fe.				Depth In																													
Subs O.D.				Fe.				Total Ftg.				Mud & Chemicals Added																									
Bit or C.B.				Fe.				Total Hr. Run				Type Amt. Type Amt.																									
Kelly Down				Fe.				Cond. of Bit																													
Total				Fe.				Reamer No.																													
Wt. of String				Lbs.				Reamer Type																													
Pipe in Hole				Jts.				Water Charges Reg. Hrs. O.T. Hrs.																													
Pipe on Racks				Jts.				Trucker																													
Total Pipe on Lease				Jts.				Trucker				Driller																									
NO.				DRILLING ASSEMBLY AT END OF TOUR				BIT RECORD				MUD RECORD				FOOTAGE				DR-D RM-R Core-C		Core No.		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Standards D.P.				Fe.				Time				From				To		Fig.												Liner Size		S.P.M.		SGL-S Par'd-P Com'd-C			
Singles D.P.				Fe.				Weight																													
D.C.				Mfg.				Visc.-Sec.																													
I.D. O.D.				Fe.				Type				W.L.-C.C.																									
D.C.				No.				FL TR. CK.																													
I.D. O.D.				Fe.				PH																													
Sth. Body O.D.				Fe.				Ser. No.				SD. Cont. %																									
Sth. Body O.D.				Fe.				Depth Out				Pressure Gradient																									
Rmr. Body O.D.				Fe.				Depth In																													
Subs O.D.				Fe.				Total Ftg.				Mud & Chemicals Added																									
Bit or C.B.				Fe.				Total Hr. Run				Type Amt. Type Amt.																									
Kelly Down				Fe.				Cond. of Bit																													
Total				Fe.				Reamer No.																													
Wt. of String				Lbs.				Reamer Type																													
Pipe in Hole				Jts.				Water Charges Reg. Hrs. O.T. Hrs.																													
Pipe on Racks				Jts.				Trucker																													
Total Pipe on Lease				Jts.				Trucker				Driller																									
NO.				DRILLING ASSEMBLY AT END OF TOUR				BIT RECORD				MUD RECORD				FOOTAGE				DR-D RM-R Core-C		Core No.		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Standards D.P.				Fe.				Time				From				To		Fig.												Liner Size		S.P.M.		SGL-S Par'd-P Com'd-C			
Singles D.P.				Fe.				Weight																													
D.C.				Mfg.				Visc.-Sec.																													
I.D. O.D.				Fe.				Type				W.L.-C.C.																									
D.C.				No.				FL TR. CK.																													
I.D. O.D.				Fe.				PH																													
Sth. Body O.D.				Fe.				Ser. No.				SD. Cont. %																									
Sth. Body O.D.				Fe.				Depth Out				Pressure Gradient																									
Rmr. Body O.D.				Fe.				Depth In																													
Subs O.D.				Fe.				Total Ftg.				Mud & Chemicals Added																									
Bit or C.B.				Fe.				Total Hr. Run				Type Amt. Type Amt.																									
Kelly Down				Fe.				Cond. of Bit																													
Total				Fe.				Reamer No.																													
Wt. of String				Lbs.				Reamer Type																													
Pipe in Hole				Jts.				Water Charges Reg. Hrs. O.T. Hrs.																													
Pipe on Racks				Jts.				Trucker																													
Total Pipe on Lease				Jts.				Trucker				Driller																									
NO.				DRILLING ASSEMBLY AT END OF TOUR				BIT RECORD				MUD RECORD				FOOTAGE				DR-D RM-R Core-C		Core No.		FORMATION (SHOW CORE RECOVERY)		Rotary RPM		Wt. on Bit 1000 Lbs.		Pump Press		Pump No. 1		Pump No. 2		Method Run	
Standards D.P.				Fe.				Time				From				To		Fig.												Liner Size		S.P.M.		SGL-S Par'd-P Com'd-C			
Singles D.P.				Fe.				Weight																													
D.C.				Mfg.				Visc.-Sec.																													
I.D. O.D.				Fe.				Type				W.L.-C.C.																									
D.C.				No.				FL TR. CK.																													
I.D. O.D.				Fe.				PH																													
Sth. Body O.D.				Fe.				Ser. No.				SD. Cont. %																									
Sth. Body O.D.				Fe.				Depth Out				Pressure Gradient																									
Rmr. Body O.D.				Fe.				Depth In																													
Subs O.D.				Fe.				Total Ftg.				Mud & Chemicals Added																									
Bit or C.B.				Fe.				Total Hr. Run				Type Amt. Type Amt.																									
Kelly Down				Fe.				Cond. of Bit																													
Total				Fe.				Reamer No.																													
Wt. of String				Lbs.				Reamer Type																													
Pipe in Hole				Jts.				Water Charges Reg. Hrs. O.T. Hrs.																													

7545

545
GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lessee Well Name <u>Davit Highland L K-42.</u>				Date <u>FEB 25</u> 19 <u>73</u>	
Location - Loc. <u>62</u> Sec. <u>31</u> Twp. <u>40</u> Rge. <u>23</u> W. <u>36</u> M.					
Rig No. <u>4</u>		Drill Pipe String <u>5 3/4</u> O.D.		PUM	
DWKS <u>U-34</u>		No. <u>2</u> Size <u>7/8</u> Type Tbd. <u>FH</u>		No. <u>1.</u> MANUFACTURER <u>NAT</u>	
SIGNATURE OF CONTRACTOR'S TOOL PUSHER <u>CB L Lab</u>				No. <u>2.</u>	
				No. <u>3.</u>	

[illegible]

TIME DISTRIBUTION—HOURS			
	Morn	Day	Even
Rig Up & Test: Down			
Drilling Actual	7 3/4		
Reaming			
Conditioning Mud & Circulating Sample		1/2	
Trips		2	
Lubricate Rig	1/4	1/4	
Deviation Survey		1/4	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging		5	9
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
53	Standards D.P.	3310.85	Ft.
	Singles D.P.		Ft.
16	D.G. 2 7/8 I.D. O.D.	6 1/4 466.70	Ft.
	D.C.		
	I.D. O.D.		Ft.
4	Stb. Body O.D.	28.36	Ft.
	Stb. Body O.D.		Ft.
	R.m. Body O.D.		Ft.
1	Subs 8 1/2" O.D.	3.00	Ft.
	Bit or. C.B.		Ft.
	Kelly Down	39.59	Ft.
	Total	3849.00	Ft.
Wt. of String		82000	Lbs.
Pipe in Hole		106	Ins.
Pipe on Racks		15	Ins.
Total Pipe on Lease		121	Ins.

BIT RECORD		
Bit No.	14	
Size	7 7/8	
Mfg.	See.	
Type	S88	
Nozzle	No. 3	
	Size 13	
Ser. No.	418674	
Depth Out	5849	
Depth In	3582	
Total Fg.	267	
Total Hr. Run.	52 3/4	
Cond. of Bit		
Reamer No.		
Reamer Type		
Water - Charges		Reg. Hrs. O.T. Hrs.
Trucker		
Trucker		
Trucker		

MUD RECORD			
Time	1 00	4 00	7 00
Light	9.4	9.3	9.3
Visc.-Sec.	60	68	60
W.L.-C.C.	9.2	9.8	9.6
FL TR. CX.	2/32	2/32	2/32
PH	9.0	9.5	9.5
SD.			
Cont. %			
Pressure Gradient			
Mud & Chemicals Added			
Type	Amt.	Type	Amt.
STARCH	550	lbs	
HYDRO GEL	1400	lbs	
SALT GEL	700	lbs	
CAUSTIC	50	lbs	
PELTEX	50	lbs	
Driller	Allen C. ...		

[illegible][illegible][illegible]

Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run
			Liner Size	S.P.M.	Liner Size	S.P.M.	SGL-S Psd-d-P Com'd-C
15	30	500	5"	66.			
Direction		Depth		Dev.		Direction	
SEQUENCE AND REMARKS							
+ Motor Shutoffs O.k.							

Fishing				
COMPLETION WORK	A. Performing			
	B. Tubing Trips			
	C. Swabbing			
	D. Testing			
	E. Additional			
Totals		8	8	8

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
53	Standards D.P.	3310-85	Ft.
	Singles D.P.		Ft.
	D.C.		
16	I.D. O.D.	466.70	Ft.
	D.C.		
	I.D. O.D.		Ft.
4	Sub. Body O.D.	28.86	Ft.
	Sub. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs Bit O.D.	3.00	Ft.
	Bit or C.B.		Ft.
	Kelly Down	39.59	Ft.
	Total	3849.00	Ft.
Wt. of String		82 M	Lbs.
Pipe in Hole		106	Ju
Pipe on Racks		15	Ju
Total Pipe on Lease		121	Ju

BIT RECORD		
Bit No.	14	
Size	7 1/8	
Mfg.	SEC	
Type	S-88	
Nozzle	No.	3
	Size	13
Ser. No.	418074	
Depth Out	3849	
Depth in	3588	
Total Ftg.	267	
Total Hr. Run	52 3/4	
Cond. of Bit		
Reamer No.		
Reamer Type		
Water Charges _____ Reg. Hrs. O.T. Hrs. _____		
Trucker _____		
Trucker _____		
Trucker _____		

MUD RECORD			
Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD.			
Cont. %			
Pressure-Gradient			
Mud & Chemicals Added			
Type	Amt.	Type	Amt.
Driller	Brian Samsel		

[illegible][illegible][illegible]

Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run
			Liner Size	S.P.M.	Liner Size	S.P.M.	
		5					SGL-S Part d- Com d-C

Direction	Depth	Dev.	Direction

SEQUENCE AND REMARKS

V BOPs & Motor SHUTOFFS

LOG

* LOGGING

Fuel Filters

in #1, 2, 3, 4 Motors

Rig Light Plant

[illegible]

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
53	Standards D.P.	3310.85	F
	Singles D.P.		F
16	D.C. 2 7/8 6 1/4 L.D. O.D.	466.72	F
	L.D.		
	L.D. O.D.		F
4	Sb. Body O.D.	28.86	F
	Sb. Body O.D.		F
	Rm. Body O.D.		F
1	Sb. 5 7/8 O.D.	3.00	F
	Bit or C.B.		F
	Kelly Down	395.9	F
	Total	3849.00	F
Wt. of String		82 m	Lb
Pipe in Hole		106	J
Pipe on Racks		15	J
Total Pipe on Lease		12	J

BIT RECORD		
Bit No.		
Size		
Mfg.		
Type		
Nozzle	No.	
	Size	
Ser. No.		
Depth Out		
Depth In		
Total Ftg.		
Total Hr. Run		
Cond. of Bit		
Reamer No.		
Reamer Type		
Water Charges		Reg. Hrs. O.T. Hrs.
Trucker		
Trucker		
Trucker		

MUD RECORD			
Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD.			
Cont. %			
Pressure Gradient			
Mud & Chemicals Added			
Type	Amt.	Type	Amt.
Driller	Allen [Signature]		

[illegible][illegible]

FORMATION (SHOW CORE RECOVERY)			
Depth	Dev.		
DETAILS OF OPERATIONS IN			
LOGGING			
D.L. 384			
CNL/FDC 3			
BHC 56RC			

[illegible]

7542

DAILY DRILLING REPORT

Form 6

Weather <u>60°</u> Condition <u>-12°</u>	Road <u>Poor</u> Conditions	Nearst <u>FT</u> Town <u>STIMPSON</u>	Water - Source <u>LR</u> Miles Hauled <u>9</u>	Camp Distance from Rig <u>500 yds</u> Reason for Extra L. Plant <u>camp</u>
---	--------------------------------	--	---	--

OPERATOR

PUMPS

LAST
CASING
TUBING
OR LINE

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to C&G. HD.	Set at	Remarks
8 5/8	NEW	24** K55	13			540	

A QUIET DINE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
SIGNATURE OF CONTRACTOR'S TOOL PUSHER																																																																																																				

J. McCallum

O.R. Clark

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C250	15"
2.			
3.			

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	7	6 ³ / ₄	
Reaming			
Conditioning Mud & Circulating 3 ³ / ₄	³ / ₄		
Trips		¹ / ₄	³ / ₂
Lubricate Rig	¹ / ₄	¹ / ₄	¹ / ₄
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			¹ / ₂
Repair Rig			2 ³ / ₄
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other By B. &		³ / ₄	

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run
48	Stands	D.P.		Fe.	Bit No.	13 B	Time	1 00	4 00	7 00	From	To	Fig.											
5	Singles	D.P.	3030.47	Fe.	Size	7 7/8	Weight	9.3	9.3	9.4	3493	3547	54	D			50	30	675	5"	66			SGL-S Par'd-P Com'd-C
16	D.C. 2 7/8 I.D.	6 1/4 O.D.	466.20	Fe.	Mfr.	SEC	Visc.-Sec.	65	65	67														
	D.C.			Fe.	Type	m88	W.L.-C.C.	11.8	8.6	9.4														
	I.D.	O.D.		Fe.	Nozzle	No. 2 1	FL TR. CK.	7/32	7/32	7/32														
4	Jib. Body	O.D.	28.86	Fe.	Size	11 12.	PH	10.0	10.0	10.0	Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction				
	Sib. Body	O.D.		Fe.	Ser. No.	398186	SD. Cont. %				Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
	Rmr. Body	O.D.		Fe.	Depth Out	IN	Pressure Gradient				1200	1215	1/4						REG SER.					
1	Subs Per	O.D.	3.00	Fe.	Depth In	3263					1215	4 45	4 1/2						DRUG					
	Bit or C.B.			Fe.	Total Ftg.	2841					4 45	5 30	2 1/4						Circ SAMPLE @ 3521					
	Kelly Down	1797	Fe.	Cond. of Bit	Total Hr. Run	38 1/2.	Mod & Chemicals Added	Type	Amt.	Type	Amt.	5 30	8 00	2 1/2.					DRUG					
	Total	3547.00	Fe.	Reamer No.			STARCH	500	lbs															
	Wt. of String	83,000	Lbs.	Reamer Type																				
	Pipe in Hole	97	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.																			
	Pipe on Racks	24	Jts.	Trucker																				
	Total Pipe on Lease	121	Jts.	Trucker																				
							Driller	Allen	Amor.										FUEL 1770					

[illegible][illegible]

WIRE LINE RECORD

Reel No.	E716
No. of Lines	8 Side 178
Feet Slipped	43
Feet Cut Off	75
Present Length	
Ton. Mi. or Trips	
Since Last Cut	43.01
Cumulative	
Ton Mi. or Trips	
No. of Days	
From Spud	19
Cumulative	
Rotating Hrs.	

No 7540

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lesse Well Name AQUITAINE HIGHLAND 2K-42

Date

Location — Sec. 31 Twp. 40 Rge. 23 W. 36 M.FEB 21 1973Weather WarmRoad PoorNearest Town SIMPSONWater - Source LakeCamp Distance from Rig 500 YdsReason for Extra L. Plant CAMP

OPERATOR

Rig No. 4
DWKS U-34
Drill Pipe String No. 2 Size 4 1/2
Tool Joints 4 1/2 O.D. FH

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NET	C250	15"
2.			
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No. Joints	Feet	RKB to CSG. HD.	Set at	Remarks
8 5/8	NEW	24#K35	13			40	

AQUITAINE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7 3/4	7 3/4	7 1/4
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			1/2
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Tests			
Other			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
46	Stands D.P. 2875.55 Ft.	Bit No. 138	Time 1:00 4:00 7:00
	Singles D.P. Ft.	Size 7 7/8	Weight 9.3 9.4 9.4
	D.C.	Mfg. SEC	Visc.-Sec. 48 53 60
16	I.D. O.D. 466.70 Ft.	Type m88	W.L.-C.C. 10.6 10.0 10.4
	D.C.	No. 2 1	FL TR. CK. 2/32 2/32 2/32
	I.D. O.D. Ft.	Nozzle Size 11 12	PH 10.0 9.0 11.0
4	Sub. Body O.D. 28.86 Ft.	Ser. No. 398180	SD Cont. %
	Sub. Body O.D. Ft.	Depth Out IN	Pressure Gradient
	Rmr. Body O.D. Ft.	Depth In 3263	
1	Subs Bit O.D. 3.00 Ft.	Total Ftg. 139	Mud & Chemicals Added
	Bit or C.B. Ft.	Total Hr. Run 16 1/2	Type Amt. Type Amt.
	Kelly Down 27.89 Ft.	Cond. of Bit	Starch 300 lbs
	Total 3402.00 Ft.	Reamer No.	Hydro Gel 700 lbs
	Wt. of String 82,000 Lbs.	Reamer Type	SALT GEL 300 lbs
	Pipe in Hole 92 Jts.	Water Charges Reg. Hrs. O.T. Hrs.	CAUSTIC 50 lbs
	Pipe on Racks 27 Jts.	Trucker	PELTEX 50 lbs
	Total Pipe on Lease 121 Jts.	Trucker	Driller <u>Allen Beyer</u>

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
3348 3402 54 D				50	30	1000	5" 54		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
12:00 12:5 1/4						RIG SERV ✓ BOPS + Motor Shutoffs O.K.			
12:5 8:00 7 3/4						DRLC			

Fishing	
A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	8 8 8

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
47	Stands D.P. 2897.56 Ft.	Bit No. 138	Time 9:00 11:00 3:00
	Singles D.P. Ft.	Size 7 7/8	Weight 9.4 9.3 9.3
	D.C.	Mfg. SEC	Visc.-Sec. 55 52 75
16	I.D. O.D. 466.70 Ft.	Type m88	W.L.-C.C. 10.4 9.8 7.9
	D.C.	No. 2 1	FL TR. CK. 2/32 2/32 2/32
	I.D. O.D. Ft.	Nozzle Size 11 12	PH 9.5 10. 9.5
4	Sub. Body O.D. 28.86 Ft.	Ser. No. 398180	SD Cont. %
	Sub. Body O.D. Ft.	Depth Out IN	Pressure Gradient
	Rmr. Body O.D. Ft.	Depth In 3263	
1	Subs Bit O.D. 3.00 Ft.	Total Ftg. 193	Mud & Chemicals Added
	Bit or C.B. Ft.	Total Hr. Run 24 1/2	Type Amt. Type Amt.
	Kelly Down 19.88 Ft.	Cond. of Bit	Starch 150#
	Total 3456 Ft.	Reamer No.	Caustic 50#
	Wt. of String 82,000 Lbs.	Reamer Type	PelTex 50#
	Pipe in Hole 94 Jts.	Water Charges Reg. Hrs. O.T. Hrs.	Hydro Gel 1200#
	Pipe on Racks 27 Jts.	Trucker	Salt Gel 600#
	Total Pipe on Lease 121 Jts.	Trucker	Driller <u>Brian Spruce</u>

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
3402 3456 54 D				50	30	1000	5" 54		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
8:00 9:00 1						DRLC			
9:00 9:15 1/4						RIG SERV ✓ BOPS + Motor Shutoffs			
9:15 4:00 6 3/4						DRLC			

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	
Total Day Work	
Wire Line Record	
Reel No. E716	
No. of Lines 8	Size 1 1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton. Mi. or Trips Since Last Cut	
Cumulative Ton. Mi. or Trips	
No. of Days From Spud	18
Cumulative Rotating Hrs.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
47	Stands D.P. 2968.98 Ft.	Bit No. 138	Time 5:00 8:00 11:00
	Singles D.P. Ft.	Size 7 7/8	Weight 9.3 9.3 9.3
	D.C.	Mfg. SEC	Visc.-Sec. 73 67 65
16	I.D. O.D. 466.70 Ft.	Type m88	W.L.-C.C. 9.4 10.0
	D.C.	No. 2 1	FL TR. CK. 2/32 2/32
	I.D. O.D. Ft.	Nozzle Size 11 12	PH 10.0 10.0
4	Sub. Body O.D. 28.86 Ft.	Ser. No. 398180	SD Cont. %
	Sub. Body O.D. Ft.	Depth Out IN	Pressure Gradient
	Rmr. Body O.D. Ft.	Depth In 3263	
1	Subs Bit O.D. 3.00 Ft.	Total Ftg. 230	Mud & Chemicals Added
	Bit or C.B. Ft.	Total Hr. Run 31 1/2	Type Amt. Type Amt.
	Kelly Down 25.46 Ft.	Cond. of Bit	
	Total 3490.00 Ft.	Reamer No.	
	Wt. of String 83,000 Lbs.	Reamer Type	
	Pipe in Hole 95 Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks 26 Jts.	Trucker <u>NOTES</u>	
	Total Pipe on Lease 121 Jts.	Trucker	Driller <u>Allen Beyer</u>

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
3456 3493 37 D				50	30	600	5" 66		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
4:00 4:15 1/4						RIG SERV ✓ BOPS			
4:15 8:00 3 3/4						DRLC			
8:00 8:30 1/2						Work on Pump			
8:30 12:00 3 1/2						DRLC			

No 7539

GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

 Lease Well Name Aguit Highland L-1-K-1/2 Date FEB 20 1973
 Location — Lat. 62 Sec. 31 Twp. 40 Rge. 23 W. 26M.

 Weather Condition Cool Road Conditions Rough Nearest Town FT. SIMPSON Water Source Lake Miles Hauled 9 Pumped 500 YDS Camp Distance from Rig 500 YDS Reason for Extra L. Plant Camp

OPERATOR

 Rig No. 4 Drill Pipe String 574 O.D. Tool Joint F.H.
 DWKS 11-34 No. 2 Size 4 1/2 Type Thd. F.H.

PUMPS

 No. 1 MANUFACTURER NAT TYPE C-250 STROKE LENGTH 15"
 No. 2 LAST CASING TUBING OR LINER
 No. 3

 Size 1 1/2 Make NEW Wt. & Gr. 24# No Joints 13 Feet 540 RKB to C.S.G. HD. 540 Set at 540 Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		1 1/2	7 1/4
Reaming		1	
Conditioning Mud & Circulating			
Trips	2 3/4	5	
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			1/2
Coring	4		
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	1	1/4	
Fishing			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
43	Stands D.P. <u>2719.87</u> Ft.	Bit No. <u>11A</u>	Time <u>3:00</u>
1	Singles D.P. <u>2719.87</u> Ft.	Size <u>6 3/4</u>	Weight <u>9.3</u>
	D.C. <u>439.25</u> Ft.	Mfg. <u></u>	Visc.-Sec. <u>5.8</u>
15	I.D. O.D. <u>439.25</u> Ft.	Type <u></u>	W.L.-C.C. <u>11.0</u>
	D.C. <u></u> Ft.	No. <u></u>	FL TR. CK. <u>7.2</u>
	I.D. O.D. <u></u> Ft.	No. <u></u>	PH <u>11.5</u>
2	Sub. Body O.D. <u>1.35</u> Ft.	Ser. No. <u>No Seen</u>	SD. Cont. % <u></u>
	Sub. Body O.D. <u></u> Ft.	Depth Out <u></u>	Pressure Gradient <u></u>
	Rmr. Body O.D. <u></u> Ft.	Depth In <u>3255</u>	
1	Subs Bit O.D. <u>82.97</u> Ft.	Total Ftg. <u>8</u>	Mud & Chemicals Added
	Subs C.B. <u>66.65</u> Ft.	Total Hr. Run <u>3 3/4</u>	Type <u>GEL</u> Amt. <u>1600#</u>
	Kelly Down <u>33.33</u> Ft.	Cond. of Bit <u></u>	Type <u>SALT GEL</u> Amt. <u>800#</u>
	Total <u>3263</u> Ft.	Reamer No. <u></u>	Type <u>STARCH</u> Amt. <u>50#</u>
	Wt. of String <u>82,000</u> Lbs.	Reamer Type <u></u>	
	Pipe in Hole <u>87</u> Jts.	Water Charges <u></u> Reg. Hrs. O.T. Hrs. <u></u>	
	Pipe on Racks <u>34</u> Jts.	Trucker <u></u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	
		Driller <u>Norm Collings</u>	

FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Par'd-P Com'd-C
From	To	Ft.							Liner Size	S.P.M.	Liner Size	S.P.M.	
3255	3263	8	C	4		65	10	350	5"	52			
Deviation Record		Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction			
Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
12:00	12:15	15						Run in the Rig SER & Bops. V					
12:15	1:00	45						Run in Hole w/ CORR 13 1/2"					
1:00	1:15	15						Cire To Bottom					
1:15	5:00	3:45						Coring					
5:00	7:00	2						Hosit out CORE					
7:00	8:00	1						RECOVER CORE &					
								Core #4 3255-3263					
								Rec. 8'					
								FUEL 1'					

COMPLETION WORK	
A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	8 8 8

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
44	Stands D.P. <u>2751.37</u> Ft.	Bit No. <u>12B</u> <u>13B</u>	Time <u>9:00</u> <u>12:00</u> <u>3:00</u>
	Singles D.P. <u></u> Ft.	Size <u>7 7/8</u> <u>7 7/8</u>	Weight <u>9.4</u>
	D.C. <u>6 1/4</u> Ft.	Mfg. <u>SMITH</u> <u>SEC</u>	Visc.-Sec. <u>6.5</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>SUH.</u> <u>m 88</u>	W.L.-C.C. <u></u>
	D.C. <u></u> Ft.	No. <u>1 1/4</u> <u>1 1/2</u> <u>1 1/2</u>	FL TR. CK. <u>2/32</u>
	I.D. O.D. <u></u> Ft.	No. <u>10</u> <u>1 1/2</u> <u>1 1/2</u>	PH <u>11.0</u>
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>MC617</u> <u>398180</u>	SD. Cont. % <u></u>
	Sub. Body O.D. <u></u> Ft.	Depth Out <u>3263</u> <u>IN</u>	Pressure Gradient <u></u>
	Rmr. Body O.D. <u></u> Ft.	Depth In <u>3255</u> <u>3263</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>8</u> <u>22</u>	Mud & Chemicals Added
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>1</u> <u>1 1/2</u>	Type <u></u> Amt. <u></u> Type <u></u> Amt. <u></u>
	Kelly Down <u>33.07</u> Ft.	Cond. of Bit <u></u>	
	Total <u></u> Ft.	Reamer No. <u></u>	
	Wt. of String <u>82,000</u> Lbs.	Reamer Type <u></u>	
	Pipe in Hole <u></u> Jts.	Water Charges <u></u> Reg. Hrs. O.T. Hrs. <u></u>	
	Pipe on Racks <u></u> Jts.	Trucker <u></u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	
		Driller <u>Allen Brager</u>	

FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Par'd-P Com'd-C	
From	To	Ft.							Liner Size	S.P.M.	Liner Size	S.P.M.		
3255	3263	8	R			80	8	700	5"	66				
3263	3285	22	D			50	30	1000	5"	61				
Deviation Record			Depth		Dev.	Direction		Depth	Dev.	Direction		Depth	Dev.	Direction
Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
8 ⁰⁰	8 ¹⁵	1/4						RIG SER ✓ BOAS + MOTOR SHUTOFFS O.K.						
8 ¹⁵	8 ³⁰	1/4						SER CORE BOP + STAND IN DERRICK						
8 ³⁰	10 ⁰⁰	1 1/2						RUN IN HOLE W/BIT						
10 ⁰⁰	12 ⁰⁰	1						REAM RAT HOLE						
11 ⁰⁰	2 ³⁰	3 1/2						TRIP FOR BIT						
2 ³⁰	4 ⁰⁰	1 1/2						DRUG						

Total Day Work

WIRE LINE RECORD

Reel No.	
No. of Lines	Size
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	
Cumulative Rotating Hrs.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
45	Stands D.P. <u>284.28</u> Ft.	Bit No. <u>13B</u>	Time <u>6:00</u> <u>9:00</u>
	Singles D.P. <u></u> Ft.	Size <u>7 7/8</u>	Weight <u>9.4</u> <u>9.4</u>
	D.C. <u></u> Ft.	Mfg. <u>SEC</u>	Visc.-Sec. <u>5.6</u> <u>5.6</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>M-88</u>	W.L.-C.C. <u>7.9</u>
	D.C. <u></u> Ft.	No. <u>2</u> <u>1</u>	FL TR. CK. <u>3/32</u>
	I.D. O.D. <u></u> Ft.	No. <u>11</u> <u>12</u>	PH <u>9.5</u>
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398180</u>	SD. Cont. % <u></u>
	Sub. Body O.D. <u></u> Ft.	Depth Out <u></u>	Pressure Gradient <u></u>
	Rmr. Body O.D. <u></u> Ft.	Depth In <u>3263</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>85</u>	Mud & Chemicals Added
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>8 3/4</u>	Type <u></u> Amt. <u></u> Type <u></u> Amt. <u></u>
	Kelly Down <u>35.16</u> Ft.	Cond. of Bit <u></u>	Preservative <u>50#</u>
	Total <u>3348</u> Ft.	Reamer No. <u></u>	Starch <u>500#</u>
	Wt. of String <u>82,000</u> Lbs.	Reamer Type <u></u>	Gel <u>1200#</u>
	Pipe in Hole <u>90</u> Jts.	Water Charges <u></u> Reg. Hrs. O.T. Hrs. <u></u>	Salt Gel <u>600#</u>
	Pipe on Racks <u>31</u> Jts.	Trucker <u>NORMS</u> <u>10</u> <u>10</u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	
		Driller <u>Brian Sauer</u>	

FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Metho Run		
From.	To.	Ft.							Liner Size	S.P.M.	Liner Size	S.P.M.	SGL- Par'el- Com'd-
3285	3348	63				50	30	1000	5"	54			
Deviation Record		Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		
Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.						
4:00	4:15	15						RIG SERV and v BOP's					
4:15	10:00	5:45						DRUG					
10:00	10:30	30						TIGHTEN PONY ROD JAM NUT					
10:30	12:00	1:30						DRUG					

No 7538

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease
Well Name *Aquit Highland L. K-42*
Location - Loc. *62* Sec. *71* Twp. *49* Rge. *33* W. *36* N. *132*
Date *FEB 18 1973*

Date

Weather Condition *Cool* Road Conditions *Rough* Nearest Town *FT. SIMPSON* Water - Source *AKK* Miles Hauled *7* Camp Distance from Rig *500 Yds.* Reason for Extra L. Plant *CAMP*

OPERATOR

Rig No. *4*
DWKS *UL-34*
Drill Pipe String *5 1/4 O.D.*
Tool Joint *5 1/4 O.D.*
No. *2* Size *4 1/2* Type Thd. *EH*

PUMPS

LAST
CASING
TUBING
OR LINERSize *8 3/8* Make *NEW 24 K55* Wt. & Gr. *13* No. Joints *13* Feet *540* RKB. to CSG. HD. *Set at* Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

No. *1* MANUFACTURER *NAT.* TYPE *C-250* STROKE LENGTH *15"*
No. *2*
No. *3*

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	<i>1/4</i>	<i>2 1/4</i>	
Reaming	<i>2 1/4</i>		
Conditioning Mud & Circulating Sample	<i>1 1/2</i>	<i>1 1/2</i>	
Trips	<i>1 1/2</i>	<i>4 1/4</i>	<i>3</i>
Lubricate Rig	<i>1/4</i>	<i>1/4</i>	<i>1/4</i>
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring		<i>6 1/4</i>	
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	<i>DBLS</i>	<i>1</i>	<i>1</i>
Fishing			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
<i>43</i>	Stands D.P. <i>2688.55</i> Ft.	Bit No. <i>8</i>	Time <i>1:00 3:00 5:00</i>
	Singles D.P. <i>15</i> Ft.	Size <i>6 3/16</i>	Weight <i>9.3 9.3 9.3</i>
	D.C. <i>2 1/2</i> O.D. <i>439.25</i> Ft.	Mfg. <i>◇</i>	Visc.-Sec. <i>72 77 70</i>
	D.C. <i>2</i> O.D. <i>1.35</i> Ft.	Type <i>◇</i>	W.L.-C.C. <i>8.4 8.6 8.6</i>
	I.D. O.D. <i>2</i> Ft.	No. <i>2 1/2</i>	FL TR. CK. <i>2 1/2 2 1/2 2 1/2</i>
	Sb. Body <i>2</i> O.D. <i>1.35</i> Ft.	Size <i>2 1/2</i>	PH <i>9.5 11.5 11.5</i>
	Sb. Body <i>2</i> O.D. <i>1.35</i> Ft.	Ser. No. <i>3210</i>	SD. Cont. %
	Rmr. Body <i>2</i> O.D. <i>1.35</i> Ft.	Depth Out	Pressure Gradient
	Rmr. Body <i>2</i> O.D. <i>1.35</i> Ft.	Depth In	
	Subs. <i>2</i> O.D. <i>2.97</i> Ft.	Total Fg. <i>3210</i>	
	Bit or C.B. <i>66.65</i> Ft.	Total Hr. Run	Mud & Chemicals Added
	Kelly Down <i>26.23</i> Ft.	Cond. of Bit	Type Amt. Type Amt.
	Total <i>3225</i> Ft.	Reamer No.	
	Wt. of String <i>78,000</i> Lbs.	Reamer Type	
	Pipe in Hole <i>86</i> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks <i>35</i> Jts.	Trucker	
	Total Pipe on Lease <i>121</i> Jts.	Trucker	
		Driller <i>Boss Callings</i>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <i>3210</i> To <i>3225</i> Fg. <i>15</i>	<i>C</i>	<i>3</i>				<i>500</i>	<i>5"</i>	<i>64</i>	<i>SGL-S Par'd-P Com'd-C</i>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <i>12:00</i> Hour Stopped <i>12:15</i> Elapsed Time <i>15</i>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<i>12:15</i> <i>6:30</i> <i>6:30</i>						<i>Rig Ser. + Bops</i>			
<i>6:30</i> <i>8:00</i> <i>1 1/2</i>						<i>CORONA</i>			
						<i>HOIST CORE</i>			
						<i>Cut 3 3210-3225</i>			
						<i>Re 14.3'</i>			

COMPLETION WORK
A. Perforating
B. Tubing Trips
C. Swabbing
D. Testing
E. Additional
Totals <i>8 8 8</i>

TIME SUMMARY (Office Use Only)

Day Work
Hrs. W/DP
Hrs. WO/DP
Hrs. Standby

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
<i>43</i>	Stands D.P. <i>2688.55</i> Ft.	Bit No. <i>5A 10A</i>	Time <i>9:00 12:00 3:00</i>
	Singles D.P. <i>16</i> Ft.	Size <i>7 7/8 7 7/8</i>	Weight <i>9.4</i>
	D.C. <i>16</i> O.D. <i>466.70</i> Ft.	Mfg. <i>SMITH SEC</i>	Visc.-Sec. <i>55</i>
	D.C. <i>4</i> O.D. <i>28.86</i> Ft.	Type <i>SUH 1388</i>	W.L.-C.C. <i>10.0</i>
	I.D. O.D. <i>4</i> Ft.	No. <i>2 1 2 1</i>	FL TR. CK. <i>2 1/2</i>
	Sb. Body <i>4</i> O.D. <i>28.86</i> Ft.	Size <i>11 12 11 12</i>	PH <i>11.0</i>
	Sb. Body <i>4</i> O.D. <i>28.86</i> Ft.	Ser. No. <i>mc617 328880</i>	SD. Cont. %
	Sb. Body <i>4</i> O.D. <i>28.86</i> Ft.	Depth Out <i>3225</i>	Pressure Gradient
	Rmr. Body <i>4</i> O.D. <i>28.86</i> Ft.	Depth In <i>3210 3225</i>	
	Subs. <i>4</i> O.D. <i>3.00</i> Ft.	Total Fg. <i>15 2</i>	Mud & Chemicals Added
	Bit or C.B. <i>39.89</i> Ft.	Total Hr. Run <i>2 1/4 1/4</i>	Type Amt. Type Amt.
	Kelly Down <i>3227.00</i> Ft.	Cond. of Bit	
	Total <i>3227.00</i> Ft.	Reamer No.	
	Wt. of String <i>80,000</i> Lbs.	Reamer Type	
	Pipe in Hole <i>86</i> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks <i>35</i> Jts.	Trucker	
	Total Pipe on Lease <i>121</i> Jts.	Trucker	
		Driller <i>Alan Greer</i>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <i>3210</i> To <i>3225</i> Fg. <i>15</i>	<i>R</i>			<i>8490</i>	<i>8</i>	<i>725</i>	<i>5"</i>	<i>65</i>	<i>SGL-S Par'd-P Com'd-C</i>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <i>8:00</i> Hour Stopped <i>8:15</i> Elapsed Time <i>15</i>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<i>8:15</i> <i>8:30</i> <i>1/4</i>						<i>Rig Ser. + Bops + Motor Shutoffs O.K.</i>			
<i>8:30</i> <i>9:30</i> <i>1</i>						<i>FINISH OUT OF HOLE</i>			
<i>9:30</i> <i>10:45</i> <i>1 1/4</i>						<i>LAY DOWN CORE SERVICE BBL STAND BBL IN DEN</i>			
<i>10:45</i> <i>1:00</i> <i>2 1/4</i>						<i>RUN IN HOLE</i>			
<i>1:00</i> <i>3:45</i> <i>2 3/4</i>						<i>REAMING RAT HOLE</i>			
<i>3:45</i> <i>4:00</i> <i>1/4</i>						<i>TRIP FOR BIT</i>			
						<i>DRG</i>			

Total Day Work

WIRE LINE RECORD

Rad. No.
No. of Lines <i>8</i> Size <i>1 1/8</i>
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud <i>17</i>
Cumulative Rotating Hrs.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
<i>43</i>	Stands D.P. <i>2719.87</i> Ft.	Bit No. <i>10A</i>	Time <i>5:00 8:00 11:00</i>
	Singles D.P. <i>16</i> Ft.	Size <i>7 7/8</i>	Weight <i>9.4</i>
	D.C. <i>16</i> O.D. <i>466.70</i> Ft.	Mfg. <i>SEC</i>	Visc.-Sec. <i>55</i>
	D.C. <i>4</i> O.D. <i>28.86</i> Ft.	Type <i>1488</i>	W.L.-C.C. <i>10.0</i>
	I.D. O.D. <i>4</i> Ft.	No. <i>2 1 2 1</i>	FL TR. CK. <i>2 1/2</i>
	Sb. Body <i>4</i> O.D. <i>28.86</i> Ft.	Size <i>11 12</i>	PH <i>10.0</i>
	Sb. Body <i>4</i> O.D. <i>28.86</i> Ft.	Ser. No. <i>328880</i>	SD. Cont. %
	Sb. Body <i>4</i> O.D. <i>28.86</i> Ft.	Depth Out <i>3255</i>	Pressure Gradient
	Rmr. Body <i>4</i> O.D. <i>28.86</i> Ft.	Depth In <i>3225</i>	
	Subs. <i>4</i> O.D. <i>3.00</i> Ft.	Total Fg. <i>30</i>	Mud & Chemicals Added
	Bit or C.B. <i>36.57</i> Ft.	Total Hr. Run <i>2 1/4</i>	Type Amt. Type Amt.
	Kelly Down <i>36.57</i> Ft.	Cond. of Bit	
	Total <i>36.57</i> Ft.	Reamer No.	
	Wt. of String <i>80,000</i> Lbs.	Reamer Type	
	Pipe in Hole <i>87</i> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks <i>34</i> Jts.	Trucker <i>NORMS 10 8</i>	
	Total Pipe on Lease <i>121</i> Jts.	Trucker	
		Driller	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <i>3227</i> To <i>3255</i> Fg. <i>28</i>	<i>D</i>			<i>50</i>	<i>30</i>	<i>800</i>	<i>5"</i>		<i>SGL-S Par'd-P Com'd-C</i>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <i>4:00</i> Hour Stopped <i>4:15</i> Elapsed Time <i>15</i>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<i>4:15</i> <i>6:30</i> <i>2 1/4</i>						<i>Rig Ser. + Bops + Motor Shutoffs O.K.</i>			
<i>6:30</i> <i>8:00</i> <i>1 1/2</i>						<i>DRG Rough Drg 3228-3230</i>			
<i>8:00</i> <i>10:00</i> <i>2</i>						<i>CIRC. UP SAMPLE + WASH CORES (CAND. HOLE)</i>			
<i>10:00</i> <i>11:00</i> <i>1</i>						<i>HOIST TO RUN CORE BBL</i>			
<i>11:00</i> <i>12:00</i> <i>1</i>						<i>3ER CORE BBL</i>			
						<i>RUN CORE BBL IN HOLE</i>			

No 7537

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

 Lease Name Point Highland K-42
 Location - Sec 31 Twp 40 Rge. 22 W. 36 N. FEB 18 1973
 Date

 Weather Condition Cool Road Conditions Rough Nearest Town Simpson
 Water - Source Lake Miles Hauled 7 Camp Distance from Rig 500 yds
 Reason for Extra L. Plant Camp

OPERATOR <u>Ag. T. J. J.</u>	Rig No. <u>4</u>	Drill Pipe String <u>5 1/2 O.D.</u>	Tool Joint <u>5 1/2 O.D.</u>	PUMPS			LAST CASING TUBING OR LINER	Size <u>8 1/2</u>	Make <u>NEW</u>	Wt. & Gr. <u>24# K-55</u>	No Joints <u>13</u>	Fert.	RKB to CSG. HD.	Set at <u>540</u>	Remarks
SIGNATURE OF OPERATOR'S REPRESENTATIVE <u>Michael</u>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <u>H. B. J.</u>	No.	MANUFACTURER	TYPE	STROKE LENGTH										
		1.	<u>NAT</u>	<u>C-250</u>	<u>15"</u>										
		2.													
		3.													

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE			FORMATION (SHOW CORE RECOVERY)		Pump No. 1		Pump No. 2		Method Run	
Rig Up & Tar Down	Morn	Day	Even	No.	Standards D.P.	Feet	Bit No.	Time	Weight	Visc.-Sec.	W.L.-C.C.	From	To	Ftgs.	DR-D RM-R Core-C	Core No.	Liner Size	S.P.M.	Liner Size	S.P.M.	SGL-S Par'd-P Com'd-C
				16	466.70	Feet	7	1:00	9.4	7.3	8.2	3118	3160	42	D		250	63			
Drilling Actual	3 1/2	6					8	4:00	9.4	6.2											
Raming																					
Conditioning Mud & Circulating																					
Trips	3 1/2	3 1/4	3																		
Lubricate Rig	1/4	1/4	1/4																		
Deviation Survey	1/4																				
Test D.O.P.																					
Cut Off Drilling Line																					
Repair Rig																					
Coring																					
Wire Line Logging																					
Running Casing & Cementing																					
Waiting on Cement																					
Drill Stem Test																					
Other																					
Fishing																					
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
Rig Ser + Bops ✓																					
DRILL																					
CIRC SAMPLE																					
DROP SURVEY																					
HOSIT FOR BIT + RUN IN HOLE																					

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE			FORMATION (SHOW CORE RECOVERY)		Pump No. 1		Pump No. 2		Method Run		
Rig Up & Tar Down	Morn	Day	Even	No.	Standards D.P.	Feet	Bit No.	Time	Weight	Visc.-Sec.	W.L.-C.C.	From	To	Ftgs.	DR-D RM-R Core-C	Core No.	Liner Size	S.P.M.	Liner Size	S.P.M.	SGL-S Par'd-P Com'd-C	
				16	466.70	Feet	8	9:00	9.5	6.0	9.0	3160	3210	50	D		50	33	500	54		
Drilling Actual																						
Raming																						
Conditioning Mud & Circulating																						
Trips																						
Lubricate Rig																						
Deviation Survey																						
Test D.O.P.																						
Cut Off Drilling Line																						
Repair Rig																						
Coring																						
Wire Line Logging																						
Running Casing & Cementing																						
Waiting on Cement																						
Drill Stem Test																						
Other																						
Fishing																						
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																						
Rig Ser + Bops + Motion Shut-offs O.K.																						
FINISH IN HOLE																						
DRUG																						
CIRC UP SAMPLE + COND. HOLE																						

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE			FORMATION (SHOW CORE RECOVERY)		Pump No. 1		Pump No. 2		Method Run	
Rig Up & Tar Down	Morn	Day	Even	No.	Standards D.P.	Feet	Bit No.	Time	Weight	Visc.-Sec.	W.L.-C.C.	From	To	Ftgs.	DR-D RM-R Core-C	Core No.	Liner Size	S.P.M.	Liner Size	S.P.M.	SGL-S Par'd-P Com'd-C
				16	466.70	Feet	9	11:00	9.5	5.3	8.0	3210	3210	0							
Drilling Actual																					
Raming																					
Conditioning Mud & Circulating																					
Trips																					
Lubricate Rig																					
Deviation Survey																					
Test D.O.P.																					
Cut Off Drilling Line																					
Repair Rig																					
Coring																					
Wire Line Logging																					
Running Casing & Cementing																					
Waiting on Cement																					
Drill Stem Test																					
Other																					
Fishing																					
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
Rig Ser + Bops + Motion Shut-offs O.K.																					
PULL OUT OF HOLE																					
SER CORE BBL + LOAD OUT CORE BBL																					
THAN OUT HYDROMAT																					
RUN IN HOLE W/ CORE BBL SLOW																					
CIRC TO BOTTOM W/ CORE BBL																					

7535
GUTHRIE McLAREN
Drilling Co.

Form 6

Lease Well Name <u>Aquit Highland K-42</u>				Date <u>FEB 16 1973</u>	
Location -- Lat. <u>62.2</u> Sec. <u>31</u> Twp. <u>40</u> Rgt. <u>22</u> W. <u>36</u>					
Rig No. <u>4</u> DWKS <u>U-34</u>	Drill Pipe String No. <u>2</u> Size <u>4 1/2</u>	Tool Joint <u>5 3/4</u> O.D. Type Tbd. <u>F.H.</u>	PUM		
NATURE OF CONTRACTOR'S TOOL <u>PUSHER</u>			MANUFACTURER <u>INAT</u>		
<u>4 B...</u>			1. 2. 3.		

Weather Condition			Road Conditions			Nearest Town			Water - Source			Camp Distance from Rig		
Cool			Rough			Simpsonton			Lake			500 YDS		
						Milcs Hauled			Pumped			Reason for Extra L. Plant		
						9						Camps		
PS			LAST CASING TUBING OR LINER	Size	Make	Wt. & Gr.	No Joints	Feet	RKB, to CSG. HD.	Set at	Remarks			
	TYPE	STROKE LENGTH												
	C-250	15"												
				8 5/8	NEW	24 K55	13			540				

MORNING 'TOUR

No.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD				MUD RECORD				FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)		Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Metho Run SGL-Par el-Com d-	
Stands D.P.	Ft.	Bit No.	7 ^p	Time	1'00	4'00	7'00	From	To	Frq.	D									Liner Size	S.P.M.	Liner Size	S.P.M.	
1	Singles D.P.	222.006 Ft.	Size	7 3/8	Weight	9.3	9.3	9.4	2650	2730	80							50	70	700	5"	64		
	D.C.		Mfg.	SEC	Visc.-Sec.	62	60	60												550	54			
16	I.D. O.D.	466.70 Ft.	Type	S 86	W.L.-C.C.		18.0	11.0												225	34			
	D.C.		No. 2	1	FL TR. CK.		332	332																
	I.D. O.D.	Ft.	Size 11	12	PH	10.5	10.5	10.5																
4	Sub. Body O.D.	28.86 Ft.	Ser. No.	421516	SD. Cont. %				Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
	Sub. Body O.D.	Ft.	Depth Out		Pressure Gradient				12:00	12:15	1/4						Rig Set & Pops ✓							
	Rmr. Body O.D.	ft.	Depth In	2384					12:15	4:00	2 3/4						Drill							
1	Sub. B.O.D.	3.00 Ft.	Total Ftg.	340	Mod & Chemicals Added				4:00	4:15	1/4						TIGHTEN BELTS ON Air Compressor							
	Bit or C.B.	Ft.	Total Hr. Run	354	Type Amt. Type Amt.				4:15	8:00	3 3/4						Drill							
	Kelly Down	11.38 Ft.	Cond. of Bit																					
	Total	2730 Ft.	Reamer No.																					
	Wt. of String	72,000 Lbs.	Reamer Type																					
	Pipe in Hole	71 Jts.	Water Charges		Reg. Hrs. O.T.Hrs.																			
	Pipe on Racks	50 Jts.	Trucker																					
	Total Pipe on Lease	121 Jts.	Trucker																					
			Driller	Pass Collins													FUEL 2' 2"							

DAY TOUR[illegible][illegible][illegible]

N^o 7546GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lessee
Well Name Aquit Highland LK. K-42 Date
Location - Lat. 62 Sec. 31 Twp. 40 Rge. 23 W. 36 M. FEB 26 19 73Weather Cold Road Conditions Poor Nearest Town Sampson Water - Source Lake Camp Distance from Rig 500 yds
Condition 45 Miles Hauled 9 Pumped 1 Reason for Extra L. Plant CAMP

OPERATOR

Rig No. 4
DWKS 4-34
Drill Pipe String 5 3/4 O.D.
Tool Joint FH
No. 2 Size 4 1/2 Type Thd. FH

PUMPS

LAST
CASING
TUBING
OR LINERSize 8 5/8 Make NEW Wt. & Gr. 24#K55 No Joints 13 Feet 54 RKB. to CSG. HD. 54 Set at 54 Remarks

AQUITAINE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION-HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips		<u>3 3/4</u>	
Lubricate Rig		<u>1/4</u>	
Velocity Survey			
Test B.O.P. Test		<u>2 1/4</u>	
Cut Off Drilling Line			
Repair Rig			
Tear Out Loggers		<u>1 1/2</u>	
Wire Line Logging	<u>6</u>		
Running Casing & Cementing		<u>1</u>	
Waiting on W.D.O. Cement		<u>2 1/4</u>	
Drill Stem Test			
Other	<u>2</u>	<u>2 1/2</u>	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
<u>53</u>	Stands D.P. <u>3310.85</u> Ft.	Bit No. <u>15 C</u>	Time <u>1:00</u>
	Singles D.P. <u>2 1/8 6 1/4</u> Ft.	Size <u>7 3/8</u>	Weight <u>9.3</u>
	D.C. <u>2 1/8 6 1/4</u> Ft.	Mfg. <u>SEC.</u>	Visc.-Sec. <u>71</u>
<u>16</u>	I.D. O.D. <u>466.70</u> Ft.	Type <u>M 58</u>	W.L.-C.C. <u>71</u>
	D.C. <u>2 1/8 6 1/4</u> Ft.	No. <u>1/1</u>	FL TR. CK. <u>71</u>
	I.D. O.D. <u>466.70</u> Ft.	No. <u>1/1</u>	PH <u>71</u>
<u>4</u>	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398130</u>	SD. Cont. % <u>71</u>
	Sub. Body O.D. <u>28.86</u> Ft.	Depth Out <u>3849</u>	Pressure Gradient <u>71</u>
	Rmr. Body O.D. <u>28.86</u> Ft.	Depth In <u>3849</u>	
<u>1</u>	Subs. O.D. <u>3.00</u> Ft.	Total Ftg. <u>3849</u>	
	Bit or C.B. <u>3.00</u> Ft.	Total Hr. Run <u>3849</u>	
	Kelly Down <u>39.59</u> Ft.	Cond. of Bit <u>3849</u>	
	Total <u>3849.00</u> Ft.	Reamer No. <u>3849</u>	
	Wt. of String <u>82 m.</u> Lbs.	Reamer Type <u>3849</u>	
	Pipe in Hole <u>106</u> Jts.	Water Charges <u>3849</u>	
	Pipe on Racks <u>15</u> Jts.	Trucker <u>3849</u>	
	Total Pipe on Lease <u>126</u> Jts.	Trucker <u>3849</u>	
		Driller <u>Allen Emper</u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>12:00</u> To <u>6:00</u> Ftg. <u>6</u>									
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>12:00</u> Hour Stopped <u>6:00</u> Elapsed Time <u>6</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
						LOGGING			
						RUN VELOCITY SURVEYS			
						H.D.T. 3848-450			
						SR5 3848-SURFACE			

COMPLETION WORK

A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	<u>9 8 8</u>

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
<u>53</u>	Stands D.P. <u>3310.85</u> Ft.	Bit No. <u>15 C</u>	Time <u>1:00</u>
	Singles D.P. <u>2 1/8 6 1/4</u> Ft.	Size <u>7 3/8</u>	Weight <u>9.3</u>
	D.C. <u>2 1/8 6 1/4</u> Ft.	Mfg. <u>SEC.</u>	Visc.-Sec. <u>71</u>
<u>16</u>	I.D. O.D. <u>466.70</u> Ft.	Type <u>M 58</u>	W.L.-C.C. <u>71</u>
	D.C. <u>2 1/8 6 1/4</u> Ft.	No. <u>1/1</u>	FL TR. CK. <u>71</u>
	I.D. O.D. <u>466.70</u> Ft.	No. <u>1/1</u>	PH <u>71</u>
<u>4</u>	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398130</u>	SD. Cont. % <u>71</u>
	Sub. Body O.D. <u>28.86</u> Ft.	Depth Out <u>3849</u>	Pressure Gradient <u>71</u>
	Rmr. Body O.D. <u>28.86</u> Ft.	Depth In <u>3849</u>	
<u>1</u>	Subs. O.D. <u>3.00</u> Ft.	Total Ftg. <u>3849</u>	
	Bit or C.B. <u>3.00</u> Ft.	Total Hr. Run <u>3849</u>	
	Kelly Down <u>39.59</u> Ft.	Cond. of Bit <u>3849</u>	
	Total <u>3849.00</u> Ft.	Reamer No. <u>3849</u>	
	Wt. of String <u>82 m.</u> Lbs.	Reamer Type <u>3849</u>	
	Pipe in Hole <u>106</u> Jts.	Water Charges <u>3849</u>	
	Pipe on Racks <u>15</u> Jts.	Trucker <u>3849</u>	
	Total Pipe on Lease <u>126</u> Jts.	Trucker <u>3849</u>	
		Driller <u>Brian Spruce</u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>5:00</u> To <u>10:30</u> Ftg. <u>2 1/2</u>									
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>5:00</u> Hour Stopped <u>10:30</u> Elapsed Time <u>2 1/2</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
						RUN VELOCITY SURVEYS			
						TEAR OUT LOGGERS			
						W.D.O.			
						RUN IN			

Total Day Work

WIRE LINE RECORD

Reel No. <u>E716</u>	
No. of Lines <u>8</u> Size <u>1 1/8</u>	
Feet Slipped <u>43</u>	
Feet Cut Off <u>75</u>	
Present Length	
Ton Mi. or Trips Since Last Cut <u>134.83</u>	
Cumulative Ton Mi. or Trips	
No. of Days From Spud <u>23</u>	
Cumulative Rotating Hrs.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
<u>53</u>	Stands D.P. <u>3310.85</u> Ft.	Bit No. <u>15 C</u>	Time <u>1:00</u>
	Singles D.P. <u>2 1/8 6 1/4</u> Ft.	Size <u>7 3/8</u>	Weight <u>9.3</u>
	D.C. <u>2 1/8 6 1/4</u> Ft.	Mfg. <u>SEC.</u>	Visc.-Sec. <u>71</u>
<u>16</u>	I.D. O.D. <u>466.70</u> Ft.	Type <u>M 58</u>	W.L.-C.C. <u>71</u>
	D.C. <u>2 1/8 6 1/4</u> Ft.	No. <u>1/1</u>	FL TR. CK. <u>71</u>
	I.D. O.D. <u>466.70</u> Ft.	No. <u>1/1</u>	PH <u>71</u>
<u>4</u>	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398130</u>	SD. Cont. % <u>71</u>
	Sub. Body O.D. <u>28.86</u> Ft.	Depth Out <u>3849</u>	Pressure Gradient <u>71</u>
	Rmr. Body O.D. <u>28.86</u> Ft.	Depth In <u>3849</u>	
<u>1</u>	Subs. O.D. <u>3.00</u> Ft.	Total Ftg. <u>3849</u>	
	Bit or C.B. <u>3.00</u> Ft.	Total Hr. Run <u>3849</u>	
	Kelly Down <u>39.59</u> Ft.	Cond. of Bit <u>3849</u>	
	Total <u>3849.00</u> Ft.	Reamer No. <u>3849</u>	
	Wt. of String <u>82 m.</u> Lbs.	Reamer Type <u>3849</u>	
	Pipe in Hole <u>106</u> Jts.	Water Charges <u>3849</u>	
	Pipe on Racks <u>15</u> Jts.	Trucker <u>3849</u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u>3849</u>	
		Driller <u>Allen Emper</u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>4:00</u> To <u>4:15</u> Ftg. <u>1 1/4</u>									
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>4:00</u> Hour Stopped <u>4:15</u> Elapsed Time <u>1 1/4</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
						RIG SERVED BY BOPS & MOTOR SHUT OFFS			
						W.D.O. CIRCULATING			
						HOIST TO RUN TEST			
						RUN IN 26 STD 1 SINGLE 14 DP. STRAP IN.			
						MAKE UP DST			

[illegible]

No 7544

GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Name FAIR HIGHLAND LK. K-42 DateWell Name FAIR HIGHLAND LK. K-42Location - Lat. 62 Sec. 31 Twp. 40 Rge. 23 W. 36M.

Date

FEB 24 1973Weather FAIRRoad Conditions POORNearest Town SIMPSONWater - Source LAKESMiles Hauled 9Pumped ---Camp Distance from Rig 500 YDSReason for Extra L. Plant CAMP

OPERATOR

Rig No.

4

DWKS

U-34

Drill Pipe

String

No.

2

Size

9 1/2

Tool Joint

5 3/4 O.D.

Type Thd.

FH

PUMPS

No.

1.

2.

3.

MANUFACTURER

NAT

TYPE

E250

STROKE

15"

LAST

CASING

TUBING

OR LINER

Size

8 5/8

Make

NEW

Wt. & Gr.

24 F55

No Joints

13

Feet

540

RKB to

CSG. HD.

Set at

540

Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7 3/4	7 3/4	7 3/4
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			

	Morn	Day	Eve
A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	

WIRE LINE RECORD

Reel No.	5716
No. of Lines	8
Size	1 1/8
Feet Slipped	43
Feet Cut Off	75
Present Length	
Ton. Mi. or Trips Since Last Cut	43.01
Cumulative Ton. Mi. or Trips	
No. of Days From Spud	21
Cumulative Rotating Hrs.	

EVENING TOUR

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
51	Stand D.P.	3217.21	Fe.	Bit No.	14								
8	Singles D.P.		Fe.	Size	7 7/8								
	D.C.			Mfg.	SEC								
16	I.D. O.D.	466.70	Fe.	Type	S-88								
	D.C.			No.	3								
	I.D. O.D.		Fe.	Size	13								
4	Sub. Body O.D.	28.86	Fe.	Ser. No.	418074								
	Sub. Body O.D.		Fe.	Depth Out	IN								
	Rmr. Body O.D.		Fe.	Depth In	3582								
1	Sub. Body O.D.	3.00	Fe.	Total Ftg.	198								
	Bit or C.B.		Fe.	Total Hr. Run	29 1/2								
	Kelly Down	24.23	Fe.	Cond. of Bit									
	Total	3240.00	Fe.	Reamer No.									
	Wt. of String	82,000	Lbs.	Reamer Type									
	Pipe in Hole	103	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.								
	Pipe on Racks	18	Jts.	Trucker									
	Total Pipe on Lease	121	Jts.	Trucker									
				Driller	Allen Onger								
52	Stand D.P.	3248.29	Fe.	Bit No.	14								
	Singles D.P.		Fe.	Size	7 7/8								
	D.C.			Mfg.	SEC								
16	I.D. O.D.	466.70	Fe.	Type	S-88								
	D.C.			No.	3								
	I.D. O.D.		Fe.	Size	13								
4	Sub. Body O.D.	28.86	Fe.	Ser. No.	418074								
	Sub. Body O.D.		Fe.	Depth Out									
	Rmr. Body O.D.		Fe.	Depth In	3582								
1	Sub. Body O.D.	3.00	Fe.	Total Ftg.	198								
	Bit or C.B.		Fe.	Total Hr. Run	37 1/4								
	Kelly Down	18.15	Fe.	Cond. of Bit									
	Total	3765	Fe.	Reamer No.									
	Wt. of String	82,000	Lbs.	Reamer Type									
	Pipe in Hole	104	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.								
	Pipe on Racks	17	Jts.	Trucker									
	Total Pipe on Lease	121	Jts.	Trucker									
				Driller	Brian Spruce								
52	Stand D.P.	3279.51	Fe.	Bit No.	14								
1	Singles D.P.		Fe.	Size	7 7/8								
	D.C.			Mfg.	SEC								
16	I.D. O.D.	466.70	Fe.	Type	S-88								
	D.C.			No.	3								
	I.D. O.D.		Fe.	Size	13								
4	Sub. Body O.D.	28.86	Fe.	Ser. No.	418074								
	Sub. Body O.D.		Fe.	Depth Out	IN								
	Rmr. Body O.D.		Fe.	Depth In	3582								
1	Sub. Body O.D.	3.00	Fe.	Total Ftg.	220								
	Bit or C.B.		Fe.	Total Hr. Run	45								
	Kelly Down	23.93	Fe.	Cond. of Bit									
	Total	3802	Fe.	Reamer No.									
	Wt. of String	82,000	Lbs.	Reamer Type									
	Pipe in Hole	105	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.								
	Pipe on Racks	16	Jts.	Trucker									
	Total Pipe on Lease	121	Jts.	Trucker									
				Driller	Allen Onger								

7543

543
GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease
 Well Name DAVEY HIGHLAND LK. K-42
 Date
 Location — Lod. Sec. Twp. Rge. W. M. FEB 23 1973

Weather Condition COLD

Road PODIL.
Conditions

Nearest Town 127

Water - Source LAKE
Miles Hauled 9

Camp Distance from Rig 500 yds

OPERATOR

Rig No. 4 DWKS 11-34	Drill Pipe String		Tool Joint 5 3/4 O.D.	
	No.	Size	Type Thd. F 4	No.

PUMPS

LAST
CASING
TUBING
OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 5/8	NEW	24 ^{lb} K55	13			504.	

AQUITAINE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

St Michael

OR Clark

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	6 3/4	7 1/4	7 1/4
Reaming			
Conditioning Mud & Circulating	3/4	3/4	
Trips	1/4		
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			

MORNING TOUR

DAY TOUR

Fishing				
COMPLETION WORK	A. Perforating			
	B. Tubing Trips			
	C. Swabbing			
	D. Testing			
	E. Additional			
Totals		\$	\$	\$

TIME SUMMARY
(Office Use Only)

Day Work			
Hrs. W/DP			
Hrs. WO/DP			
Hrs. Standby			

[illegible]

Total Day Work			

WIRE LINE RECORD	
------------------	--

Reel No. E716

No. of Lines	8	Size	1/8
Feet Slipped	117		

Feet Shipped	75
Feet Cut Off	75

Present Length	
Ton Miles or Trains	

Since Last Cut	43.01
Cumulative Top Mi. or Trains	43.01

No. of Days From Spud	20
-----------------------	----

Cumulative Rotating Hrs.	
--------------------------	--

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

NO.			DRILLING ASSEMBLY AT END OF TOUR			BIT RECORD			MUD RECORD				FOOTAGE			DR-D RM-R Core-C			Core No.			FORMATION (SHOW CORE RECOVERY)			Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run	
Standards D.P.			Fe.			Bit No.	14		Time	100	400	700	From	To	Ftge.																		
S			Singles D.P.			3093.36			Fe.	Size	7 7/8		Weight	9.5	9.4	9.3																	
16			D.C. 2 3/8 6 1/4 I.D. O.D.			466.70			Fe.	Mfg.	SEC		Visc.-Sec.	100	65	57																	
			D.C.						Fe.	Type	S88		W.L.-C.C.	8.4		10.0																	
			I.D. O.D.						Fe.	No.	3		FL TR. CK.	2/32		2/32																	
4			Stb. Body O.D.			28.86			Fe.	Ser. No.	418024		SD. Cont. %																				
			Stb. Body O.D.						Fe.	Depth Out	IN		Pressure Gradient																				
			Rmr. Body O.D.						Fe.	Depth In	3582.																						
1			Subs Par O.D.			300			Fe.	Total Ftg.	38																						
			Bit or C.B.						Fe.	Total Hr. Run	6 3/4																						
			Kelly Down			28.08			Fe.	Cond. of Bit																							
			Total			3620.00			Fe.	Reamer No.																							
We. of String			83.000			Lbs.			Reamer Type																								
Pipe in Hole			99			Jts.			Water Charges	Reg. Hrs.	O.T. Hrs.																						
Pipe on Racks			22			Jts.			Trucker																								
Total Pipe on Lease			131			Jts.			Trucker																								

[illegible][illegible]

No 7542

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease
Well Name AQUITAINE HIGHLAND LK. K42 Date
Location — Lat. 62 Sec. 31 Twp. 40 Rge. 23 W. 36 M. FEB 22 1973Weather 60C Road POOR Nearest Town FT SIMPSON Water - Source LR Camp Distance from Rig 500 YDS
Condition -12 Miles Hauled 1 Pumped 1 Reason for Extra L. Plant CAMP

OPERATOR

Rig No. 4 Drill Pipe String 534 O.D. 5/8
DWKS U-34 No. 2 Size 1 1/2 Type Thd. FH

PUMPS

No. 1 MANUFACTURER NAT TYPE C250 STROKE LENGTH 15"
LAST CASING TUBING OR LINERSize 8 5/8 Make NEW Wt. & Gr. 24# K55 No Joints 13 Feet 540 RKB. to CSG. HD. 540 Set at 540 Remarks

AQUITAINE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	7	6 3/4	
Reaming			
Conditioning Mud & Circulating System	3/4		
Trips	1 1/4	3 1/2	
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line		1 1/2	
Repair Rig		2 3/4	
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	1 1/2	3 1/4	
Fishing			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
48	Stand D.P.	Fe.	Bit No. <u>13 B</u>	Time <u>1:00</u>	<u>4:00</u>	<u>7:00</u>							
5	Singles D.P.	3030.47 Ft.	Size <u>7 7/8</u>	Weight <u>9.3</u>	<u>9.3</u>	<u>9.4</u>							
	D.C.		Mfg. <u>SEC</u>	Visc.-Sec. <u>65</u>	<u>65</u>	<u>67</u>							
16	I.D. O.D.	466.70 Ft.	Type <u>m88</u>	W.L.-C.C. <u>11.8</u>	<u>8.6</u>	<u>9.4</u>							
	D.C.		No. <u>2</u>	FL TR. CK. <u>2/32</u>	<u>2/32</u>	<u>2/32</u>							
	I.D. O.D.		Nozzle Size <u>11</u> <u>12</u>	PH <u>10.0</u>	<u>10.0</u>	<u>10.0</u>							
4	Sub. Body O.D.	28.86 Ft.	Ser. No. <u>398180</u>	SD. Cont. %									
	Sub. Body O.D.		Depth Out <u>IN</u>	Pressure Gradient									
	Rmr. Body O.D.		Depth In <u>3263</u>										
1	Subs. Body O.D.	3.00 Ft.	Total Ftg. <u>284</u>	Mud & Chemicals Added									
	Bit or C.B.		Total Hr. Run <u>38 1/2</u>	Type	Amt.	Type	Amt.						
	Kelly Down	1797 Ft.	Cond. of Bit	STARCH	500 lbs								
	Total	3547.00 Ft.	Reamer No.										
	Wt. of String	83,000 Lbs.	Reamer Type										
	Pipe in Hole	97 Jts.	Water Charges										
	Pipe on Racks	24 Jts.	Trucker										
	Total Pipe on Lease	121 Jts.	Trucker										
			Driller <u>Allen Ayer</u>										

Hour Started 12:00 Hour Stopped 12:15 Elapsed Time 1/4Hour Started 12:15 Hour Stopped 4:45 Elapsed Time 4 1/2Hour Started 4:45 Hour Stopped 5:30 Elapsed Time 3/4Hour Started 5:30 Hour Stopped 8:00 Elapsed Time 2 1/2

FUEL 1770

A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	8. 8 8

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
49	Stand D.P.	3061.86 Ft.	Bit No. <u>13 B</u>	Time <u>9:00</u>	<u>11:00</u>	<u>7:00</u>							
	Singles D.P.		Size <u>7 7/8</u>	Weight <u>9.4</u>	<u>9.5</u>	<u>9.5</u>							
	D.C.		Mfg. <u>SEC</u>	Visc.-Sec. <u>61</u>	<u>69</u>	<u>71</u>							
	I.D. O.D.		Type <u>m88</u>	W.L.-C.C. <u>9.1</u>	<u>8.2</u>								
16	I.D. O.D.	466.70 Ft.	No. <u>2</u>	FL TR. CK. <u>2/32</u>	<u>2/32</u>	<u>2/32</u>							
	I.D. O.D.		Nozzle Size <u>11</u> <u>12</u>	PH <u>9.5</u>	<u>9.0</u>								
4	Sub. Body O.D.	28.86 Ft.	Ser. No. <u>398180</u>	SD. Cont. %									
	Sub. Body O.D.		Depth Out <u>3582</u>	Pressure Gradient									
	Rmr. Body O.D.		Depth In <u>3263</u>										
1	Subs. Body O.D.	3.00 Ft.	Total Ftg. <u>319</u>	Mud & Chemicals Added									
	Bit or C.B.		Total Hr. Run <u>45 1/4</u>	Type	Amt.	Type	Amt.						
	Kelly Down	21.58 Ft.	Cond. of Bit	Preservative 50#									
	Total	3582 Ft.	Reamer No.	Hydro Gel 600F									
	Wt. of String	83,000 Lbs.	Reamer Type	Salt Gel 300F									
	Pipe in Hole	98 Jts.	Water Charges	Caustic 50#									
	Pipe on Racks	23 Jts.	Trucker	Pellex 50#									
	Total Pipe on Lease	121 Jts.	Trucker										
			Driller <u>Brian Sprague</u>										

Hour Started 8:00 Hour Stopped 8:15 Elapsed Time 1/4Hour Started 8:15 Hour Stopped 3:00 Elapsed Time 6 3/4Hour Started 3:00 Hour Stopped 3:45 Elapsed Time 3/4Hour Started 3:45 Hour Stopped 4:00 Elapsed Time 1/4RIG SERV. v BOPs + MOTOR SHUTDOWNS
DRUG
TRY Unplug Bit
HOIST

Total Day Work

WIRE LINE RECORD

Reel No. <u>E716</u>	
No. of Lines <u>8</u> Size <u>1 1/8</u>	
Feet Slipped <u>43</u>	
Feet Cut Off <u>75</u>	
Present Length	
Ton Mi. of Trips Since Last Cut <u>43.01</u>	
Cumulative Ton Mi. of Trips	
No. of Days From Spud <u>19</u>	
Cumulative Rotating Hrs.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
49	Stand D.P.	3061.86 Ft.	Bit No. <u>14</u>	Time									
	Singles D.P.		Size <u>7 7/8</u>	Weight									
	D.C.		Mfg. <u>SES</u>	Visc.-Sec.									
16	I.D. O.D.	466.70 Ft.	Type <u>S88</u>	W.L.-C.C.									
	D.C.		No. <u>3</u>	FL TR. CK.									
	I.D. O.D.		Nozzle Size <u>13</u>	PH									
4	Sub. Body O.D.	28.86 Ft.	Ser. No. <u>418074</u>	SD. Cont. %									
	Sub. Body O.D.		Depth Out	Pressure Gradient									
	Rmr. Body O.D.		Depth In <u>3582</u>										
1	Subs. Body O.D.	3.00 Ft.	Total Ftg.	Mud & Chemicals Added									
	Bit or C.B.		Total Hr. Run	Type	Amt.	Type	Amt.						
	Kelly Down	21.58 Ft.	Cond. of Bit										
	Total	3582.00 Ft.	Reamer No.										
	Wt. of String	83,000 Lbs.	Reamer Type										
	Pipe in Hole	98 Jts.	Water Charges										
	Pipe on Racks	23 Jts.	Trucker										
	Total Pipe on Lease	121 Jts.	Trucker										
			Driller <u>Allen Ayer</u>										

Hour Started 4:00 Hour Stopped 4:15 Elapsed Time 1/4Hour Started 4:15 Hour Stopped 6:30 Elapsed Time 2 1/4Hour Started 6:30 Hour Stopped 8:00 Elapsed Time 1 1/2Hour Started 8:00 Hour Stopped 10:45 Elapsed Time 2 3/4Hour Started 10:45 Hour Stopped 12:00 Elapsed Time 1/4RIG SERV. v BOPs
HOIST. Plugged Bit
Slip 43' Drill Line & Clean suction tank
Put NEW CHAIN ON HYDROMATIC & CLEAN OUT PUMP
Run In Hole

No 7540

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease Well Name AQUAT HIGHLAND 2K-42 Date FEB 21 1973
Location — 62 Sec. 31 Twp. 40 Rge. 23 W. 36 M.Weather Condition WARM Road Conditions POOR Nearest Town SIMPSON Water - Source LAKE Miles Hauled 500 Camp Distance from Rig 500 YDS
Reason for Extra L. Plant CAMP

OPERATOR

Rig No. 4 Drill Pipe String 4 1/2 O.D. Tool Joint 4 1/2 O.D.
DWKS U-34 No. 2 Size 1 1/2 Type Thd. FH

PUMPS

LAST CASING TUBING OR LINER

Size 8 5/8 Make NEW Wt. & Gr. 24#KSS No Joints 13 Feet 540
RKB. to CSG. HD. 540 Set at 540 Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	7 3/4	7 3/4	7 1/4
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig		1/2	
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
46	Stands D.P. <u>2875.55</u> Ft.	Bit No. <u>13B</u>	Time <u>1:00</u> <u>4:00</u> <u>7:00</u>
	Singles D.P. <u></u> Ft.	Size <u>7 7/8</u>	Weight <u>9.3</u> <u>9.4</u> <u>9.4</u>
	D.C. <u></u>	Mfg. <u>SEC</u>	Visc.-Sec. <u>45</u> <u>53</u> <u>60</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>M88</u>	W.L.-C.C. <u>10.6</u> <u>10.0</u> <u>10.4</u>
	D.C. <u></u>	No. <u>2</u> <u>1</u>	FL TR. CK. <u>2/32</u> <u>2/32</u> <u>2/32</u>
	I.D. O.D. <u></u> Ft.	Nozzle Size <u>11</u> <u>12</u>	PH <u>10.0</u> <u>9.0</u> <u>11.0</u>
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398180</u>	SD. Cont. % <u></u>
	Sub. Body O.D. <u></u> Ft.	Depth Out <u>IN</u>	Pressure Gradient <u></u>
	Rmr. Body O.D. <u></u> Ft.	Depth In <u>3263</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>139</u>	Mud & Chemicals Added
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>16 1/2</u>	Type Amt. Type Amt.
	Kelly Down <u>27.89</u> Ft.	Cond. of Bit <u></u>	Starch <u>300</u> lbs
	Total <u>3402.00</u> Ft.	Reamer No. <u></u>	HydroGel <u>700</u> lbs
	Wt. of String <u>82,000</u> Lbs.	Reamer Type <u></u>	SALT GEL <u>300</u> lbs
	Pipe in Hole <u>92</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs. <u></u>	CAUSTIC <u>50</u> lbs
	Pipe on Racks <u>29</u> Jts.	Trucker <u></u>	PELTEX <u>50</u> lbs.
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	Driller <u>Allen Boyer</u>

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>3348</u> To <u>3402</u> Ftg. <u>54</u>	<u>D</u>	<u></u>	<u></u>	<u>50</u>	<u>30</u>	<u>1000</u>	<u>5"</u>	<u>54</u>	<u>SGL-S Par-el-P Com'd-C</u>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>12:00</u> Hour Stopped <u>12:15</u> Elapsed Time <u>1/4</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<u>12:15</u> <u>8:00</u> <u>7:44</u>						<u>REG SER ✓ BOPS & MOTOR SHUTOFFS O.K.</u>			
						<u>DRLC</u>			

COMPLETION WORK	
A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	8 8 8

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/D.P.	
Hrs. W/O.D.P.	
Hrs. Standby	

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
47	Stands D.P. <u>2997.56</u> Ft.	Bit No. <u>13B</u>	Time <u>9:00</u> <u>11:00</u> <u>3:00</u>
	Singles D.P. <u></u> Ft.	Size <u>7 7/8</u>	Weight <u>9.4</u> <u>9.3</u> <u>9.3</u>
	D.C. <u></u>	Mfg. <u>SEC</u>	Visc.-Sec. <u>55</u> <u>52</u> <u>75</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>M88</u>	W.L.-C.C. <u>10.4</u> <u>9.8</u> <u>7.9</u>
	D.C. <u></u>	No. <u>2</u> <u>1</u>	FL TR. CK. <u>2/32</u> <u>2/32</u> <u>2/32</u>
	I.D. O.D. <u></u> Ft.	Nozzle Size <u>11</u> <u>12</u>	PH <u>9.5</u> <u>10</u> <u>9.5</u>
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398180</u>	SD. Cont. % <u></u>
	Sub. Body O.D. <u></u> Ft.	Depth Out <u></u>	Pressure Gradient <u></u>
	Rmr. Body O.D. <u></u> Ft.	Depth In <u>3263</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>193</u>	Mud & Chemicals Added
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>24 1/2</u>	Type Amt. Type Amt.
	Kelly Down <u>19.88</u> Ft.	Cond. of Bit <u></u>	Starch <u>150</u> #
	Total <u>3456</u> Ft.	Reamer No. <u></u>	Caustic <u>50</u> #
	Wt. of String <u>82,000</u> Lbs.	Reamer Type <u></u>	Paltex <u>50</u> #
	Pipe in Hole <u>94</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs. <u></u>	HydroGel <u>1200</u> #
	Pipe on Racks <u>27</u> Jts.	Trucker <u></u>	SALT GEL <u>600</u> #
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	Driller <u>Brian Spence</u>

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>3402</u> To <u>3456</u> Ftg. <u>54</u>	<u>0</u>	<u></u>	<u></u>	<u>50</u>	<u>30</u>	<u>1000</u>	<u>5"</u>	<u>54</u>	<u>SGL-S Par-el-P Com'd-C</u>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>8:00</u> Hour Stopped <u>9:00</u> Elapsed Time <u>1</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<u>9:00</u> <u>9:15</u> <u>1/4</u>						<u>DRLC</u>			
<u>9:15</u> <u>4:00</u> <u>6:34</u>						<u>RIG SERV ✓ BOPS & MOTOR SHUTOFFS</u>			
						<u>DRLC</u>			

WIRE LINE RECORD	
Reel No. <u>E716</u>	
No. of Lines <u>8</u> Size <u>1 1/8</u>	
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mf. or Trips Since Last Cut	
Cumulative Ton Mf. or Trips	
No. of Days From Spud <u>18</u>	
Cumulative Rotating Hr.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
47	Stands D.P. <u></u> Ft.	Bit No. <u>13B</u>	Time <u>5:00</u> <u>8:00</u> <u>11:00</u>
5	Singles D.P. <u>2968.78</u> Ft.	Size <u>7 7/8</u>	Weight <u>9.3</u> <u>9.3</u> <u>9.3</u>
	D.C. <u></u>	Mfg. <u>SEC</u>	Visc.-Sec. <u>73</u> <u>67</u> <u>65</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>M88</u>	W.L.-C.C. <u>9.4</u> <u>10.0</u>
	D.C. <u></u>	No. <u>2</u> <u>1</u>	FL TR. CK. <u>2/32</u> <u>2/32</u>
	I.D. O.D. <u></u> Ft.	Nozzle Size <u>11</u> <u>12</u>	PH <u>10.0</u> <u>10.0</u>
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>398180</u>	SD. Cont. % <u></u>
	Sub. Body O.D. <u></u> Ft.	Depth Out <u>IN</u>	Pressure Gradient <u></u>
	Rmr. Body O.D. <u></u> Ft.	Depth In <u>3263</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>230</u>	Mud & Chemicals Added
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>31 1/2</u>	Type Amt. Type Amt.
	Kelly Down <u>29.46</u> Ft.	Cond. of Bit <u></u>	
	Total <u>3499.00</u> Ft.	Reamer No. <u></u>	
	Wt. of String <u>83,000</u> Lbs.	Reamer Type <u></u>	
	Pipe in Hole <u>95</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs. <u></u>	
	Pipe on Racks <u>26</u> Jts.	Trucker <u>NORMS</u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	Driller <u>Allen Boyer</u>

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>3456</u> To <u>3493</u> Ftg. <u>37</u>	<u>D</u>	<u></u>	<u></u>	<u>50</u>	<u>30</u>	<u>600</u>	<u>5"</u>	<u>66</u>	<u>SGL-S Par-el-P Com'd-C</u>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>4:00</u> Hour Stopped <u>4:15</u> Elapsed Time <u>1/4</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<u>4:15</u> <u>8:00</u> <u>3:44</u>						<u>RIG SERV ✓ BOPS</u>			
<u>8:00</u> <u>8:30</u> <u>1/2</u>						<u>DRLC</u>			
<u>8:30</u> <u>12:00</u> <u>3 1/2</u>						<u>Work on Pump</u>			
						<u>DRLC</u>			

7538
GUTHRIE McLAREN
Drilling Co.

Form 6

Handwritten form for oil well drilling logs. Includes sections for: OPERATOR (GUTHRIE LARSEN), SIGNATURE OF OPERATOR'S REPRESENTATIVE (H. B. ...), SIGNATURE OF CONTRACTOR'S TOOL PUSHER (H. B. ...), TIME DISTRIBUTION-HOURS, MORNING TOUR, DAY TOUR, EVENING TOUR, and WIRE LINE RECORD. The form contains detailed data for three different drilling runs, including bit records, mud records, footages, and formation descriptions. Key handwritten notes include 'Rig SER + Bops 2', 'COREING', 'Hole OK', 'LAY DOWN CORE SERVICE BBL STAND BBL IN DEN', 'RUN IN HOLE', 'BEAMING RAT HOLE', 'TRIP FOR BIT', 'DRUG', 'Rig SER V Bops + Motor Shutoffs OK', 'FINISH OUT OF HOLE', 'LAY DOWN CORE SERVICE BBL STAND BBL IN DEN', 'RUN IN HOLE', 'BEAMING RAT HOLE', 'TRIP FOR BIT', 'DRUG', 'Rig SER V Bops + Motor Shutoffs OK', 'DRUG Rough Drac 3228-3230', 'Circ Lip Sample + ...', 'Hole OK', 'SER CORE BBL', 'Run Core BBL In Hole'.

No 7536

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease Well Name Aquit Highland L X-42
Location — Sec 31 Twp 42 Rge 22 W 36M

Date

FEB 17 1978

Weather Condition

COOL

Road Conditions

Bought

Nearest Town

SIMPSON

Water - Source

LAKES

Miles Hauled

9

Pumped

Camp Distance from Rig

500 YDS

Reason for Extra L. Plant

CAMP

OPERATOR

Rig No.

Drill Pipe

Tool Joint

6 1/2 O.D.

PUMPS

LAST CASING TUBING OR LINER

Size

Make

Wt. & Cr.

No Joints

Feet

RKB to CSG. HD.

Set at

Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

No.

MANUFACTURER

TYPE

STROKE LENGTH

1.

IVATC-25015"

2.

3.

TIME DISTRIBUTION—HOURS

Morn Day Eve

Rig Up & Tear Down

Drilling Actual

Reaming

Conditioning Mud & Circulating

Trips

Lubricate Rig

Deviation Survey

Test B.O.P.

Cut Off Drilling Line

Repair Rig

Coring

Wire Line Logging

Running Casing & Cementing

Waiting on Cement

Drill Stem Test

Other

Fishing

A. Perforating

B. Tubing Trips

C. Swabbing

D. Testing

E. Additional

Totals

TIME SUMMARY (Office Use Only)

Day Work

Hrs. W/DP

Hrs. WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.

DRILLING ASSEMBLY AT END OF TOUR

BIT RECORD

MUD RECORD

FOOTAGE

DR-D RM-R Core-C

Core No.

FORMATION (SHOW CORE RECOVERY)

Rotary RPM

Wt. on Bit 1000 Lbs.

Pump Press

Pump No. 1

Pump No. 2

Method Run

39

Stands D.P.

2438.16 Ft.

Bit No.

7

Time

1:00

4:00

7:00

Singles D.P.

Ft.

Size

7 7/8

Weight

9.4

9.4

9.4

D.C.

Mfg.

SEC

Visc.-Sec.

70

85

70

I.D. O.D.

466.70 Ft.

Type

S 86

W.L.-C.C.

8.6

9.0

9.5

D.C.

No.

2

FL TR. CK.

7/32

7/32

7/32

I.D. O.D.

Ft.

No.

11

PH

11.0

11.5

11.5

Sub. Body O.D.

28.86 Ft.

Ser. No.

421516

SD. Cont. %

Pressure Gradient

Sub. Body O.D.

Ft.

Depth Out

2384

Rmr. Body O.D.

Ft.

Depth In

2384

Sub. Body O.D.

3.00 Ft.

Total Ftg.

500

Mud & Chemicals Added

Type

Amt.

Type

Amt.

Bit or C.B.

Ft.

Run

584

Type

Bell

200#

Type

Amt.

Kelly Down

19.28 Ft.

Cond. of Bit

CAUSTIC 50#

Type

Amt.

Type

Amt.

Total

2952 Ft.

Reamer No.

Reamer Type

Water Charges

Reg. Hrs. O.T. Hrs.

Wt. of String

76,000 Lbs.

Trucker

Trucker

Pipe in Hole

78 Jts.

Trucker

Trucker

Pipe on Racks

43 Jts.

Trucker

Trucker

Total Pipe on Lease

121 Jts.

Trucker

Trucker

Driller

Russ Collings

From

To

Ft.

2879

2952

76

Deviation Record

Depth

Dev.

Direction

Depth

Dev.

Direction

Depth

Dev.

Direction

Depth

Dev.

Direction

Depth

Dev.

Direction

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

Acc. D.T.

12:00

12:15

4

12:15

1:00

4

1:00

1:15

4

1:15

8:00

6:34

Hour Started

Hour Stopped

Elapsed Time

A

B

C

D

No 7535

GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Name Aquit Highland K-42 Date FEB 16 1973
Location — Lat. 62.31 Sec. 31 Twp. 40 Rge. 22 W. 36Weather Condition CloudRoad Conditions RoughNearest Town SimmonsWater Source LakeCamp Distance from Rig 500 YDS

OPERATOR

Rig No. 4
Drill Pipe String 5 3/4 O.D.
Tool Joint F.H.

PUMPS

Size 8 7/8 Make New Wt. & Gr. 24 K55 No Joints 13 Feet 540 RKB. to CSG. HD. Set at Remarks Cable

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

No. 1. 11AT MANUFACTURER C-250 TYPE 15" STROKE LENGTH
2.
3.

LAST CASING TUBING OR LINER

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	<u>7 1/2</u>	<u>7 1/4</u>	<u>3 1/4</u>
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig	<u>3/4</u>	<u>1/4</u>	<u>1/4</u>
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig	<u>4</u>		
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
35	Stands D.P. <u>2220.06</u> Ft.	Bit No. <u>7</u>	Time <u>1:00</u> <u>4:00</u> <u>7:00</u>
1	Singles D.P. <u>2220.06</u> Ft.	Size <u>7 7/8</u>	Weight <u>9.3</u> <u>9.3</u> <u>9.4</u>
	D.C. <u>27 6/4</u>	Mfg. <u>SEC</u>	Visc.-Sec. <u>62</u> <u>60</u> <u>60</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>S86</u>	W.L.-C.C. <u>10.0</u> <u>11.0</u>
	D.C. <u>27 6/4</u>	No. <u>2</u> <u>1</u>	FL TR. CK. <u>2/32</u> <u>2/32</u>
	I.D. O.D. <u>466.70</u> Ft.	Nozzle Size <u>11</u> <u>12</u>	PH <u>10.5</u> <u>10.5</u> <u>10.5</u>
4	Sb. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>421516</u>	SD. Cont. %
	Sb. Body O.D. <u>28.86</u> Ft.	Depth Out <u>2384</u>	Pressure Gradient
	Rmr. Body O.D. <u>28.86</u> Ft.	Depth In <u>2384</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>340</u>	Mud & Chemicals Added
	Bit or C.B. <u>3.00</u> Ft.	Total Hr. Run <u>35 1/4</u>	Type Amt. Type Amt.
	Kelly Down <u>11.38</u> Ft.	Cond. of Bit	
	Total <u>2230</u> Ft.	Reamer No.	
	Wt. of String <u>72,000</u> Lbs.	Reamer Type	
	Pipe in Hole <u>71</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks <u>50</u> Jts.	Trucker	
	Total Pipe on Lease <u>121</u> Jts.	Trucker	
		Driller <u>Reas Collings</u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
2650 2730 80	D			50	30	700	5" 64		
						550	54		
						225	34		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
12:00 12:15 15						Rig Ser. & BOPs ✓			
12:15 4:00 3 1/4						DRILL			
4:00 4:15 15						TIGHTEN BELT ON AIR COMPRESSURE			
4:15 8:00 3 3/4						DRILL			
						FUEL 2' 2"			

COMPLETION WORK
A. Perforating
B. Tubing Trips
C. Swabbing
D. Testing
E. Additional
Totals <u>8 8 8</u>

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
36	Stands D.P. <u>2282.96</u> Ft.	Bit No. <u>7</u>	Time <u>9:00</u> <u>12:00</u> <u>3:00</u>
1	Singles D.P. <u>2282.96</u> Ft.	Size <u>7 7/8</u>	Weight <u>9.4</u> <u>9.4</u> <u>9.4</u>
	D.C. <u>27 6/4</u>	Mfg. <u>SEC</u>	Visc.-Sec. <u>54</u> <u>53</u> <u>55</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>S86</u>	W.L.-C.C. <u>12.0</u> <u>13.6</u> <u>10.0</u>
	D.C. <u>27 6/4</u>	No. <u>2</u> <u>1</u>	FL TR. CK. <u>2/32</u> <u>2/32</u> <u>2/32</u>
	I.D. O.D. <u>466.70</u> Ft.	Nozzle Size <u>11</u> <u>12</u>	PH <u>11.0</u> <u>10.5</u> <u>10.5</u>
4	Sb. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>421516</u>	SD. Cont. %
	Sb. Body O.D. <u>28.86</u> Ft.	Depth Out <u>IN</u>	Pressure Gradient
	Rmr. Body O.D. <u>28.86</u> Ft.	Depth In <u>2384</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>426</u>	Mud & Chemicals Added
	Bit or C.B. <u>3.00</u> Ft.	Total Hr. Run <u>43</u>	Type Amt. Type Amt.
	Kelly Down <u>28.48</u> Ft.	Cond. of Bit	
	Total <u>2810.00</u> Ft.	Reamer No.	
	Wt. of String <u>74,000</u> Lbs.	Reamer Type	
	Pipe in Hole <u>73</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks <u>48</u> Jts.	Trucker	
	Total Pipe on Lease <u>121</u> Jts.	Trucker	
		Driller <u>Alton Cramer</u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
2730 2810 80	D			50	30	725	5" 66		
						475	54		
						250	38		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
8:00 8:15 15						Rig Ser ✓ BOPs + Motor Shutoffs OK.			
8:15 4:00 7 1/4						DRILL			

WIRE LINE RECORD
Reel No.
No. of Lines <u>8</u> Size <u>1 1/2</u>
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud <u>14</u>
Cumulative Rotating Hrs.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
37	Stands D.P. <u>2346.24</u> Ft.	Bit No. <u>7</u>	Time <u>5:00</u> <u>8:00</u> <u>11:00</u>
1	Singles D.P. <u>2346.24</u> Ft.	Size <u>7 7/8</u>	Weight <u>9.4</u> <u>9.4</u> <u>9.4</u>
	D.C. <u>27 6/4</u>	Mfg. <u>SEC</u>	Visc.-Sec. <u>58</u> <u>50</u> <u>62</u>
16	I.D. O.D. <u>466.70</u> Ft.	Type <u>S86</u>	W.L.-C.C. <u>7.6</u> <u>10.2</u>
	D.C. <u>27 6/4</u>	No. <u>2</u> <u>1</u>	FL TR. CK. <u>2/32</u> <u>2/32</u>
	I.D. O.D. <u>466.70</u> Ft.	Nozzle Size <u>11</u> <u>12</u>	PH <u>10.5</u> <u>10.0</u> <u>10.0</u>
4	Sb. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>421516</u>	SD. Cont. %
	Sb. Body O.D. <u>28.86</u> Ft.	Depth Out	Pressure Gradient
	Rmr. Body O.D. <u>28.86</u> Ft.	Depth In <u>2384</u>	
1	Subs Bit O.D. <u>3.00</u> Ft.	Total Ftg. <u>495</u>	Mud & Chemicals Added
	Bit or C.B. <u>3.00</u> Ft.	Total Hr. Run <u>50 3/4</u>	Type Amt. Type Amt.
	Kelly Down <u>34.20</u> Ft.	Cond. of Bit	
	Total <u>2879.00</u> Ft.	Reamer No.	
	Wt. of String <u>74,000</u> Lbs.	Reamer Type	
	Pipe in Hole <u>75</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks <u>46</u> Jts.	Trucker <u>NORM'S</u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker	
		Driller	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
2810 2879 69	D			50	30	700	5"		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
4:00 4:15 15						Rig Ser ✓ BOPs + Motor Shutoffs O.K.			
4:15 12:00 7 1/2						DRILL			

7532

7532
GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

[illegible]

TIME DISTRIBUTION—HOURS				DRILLING ASSEMBLY AT END OF TOUR			BIT RECORD			MUD RECORD				FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Part-P Com d-C	
Morn	Day	Eve	Stands D.P.	Pt.	Bit No.	Time			Weight			From	To	Ftg.	Liner Size	S.P.M.							Liner Size	S.P.M.				
Rig Up & Tear Down					1	Singles D.P.	1596.38	Fe.	Size	7 3/8	Visc.-Sec.	56	45	49	2078	2110	32	R		20	575	200	5"	64				
Drilling Actual			4 1/2	6 1/2	D.C.				Mfr.	Smith	W.L.-C.C.	1.0	62	63									575	2	54			
Reaming	7				16	I.D. O.D.	466.70	Fe.	Type	SVH	FL TR. CK.	2 1/2	4 1/2	4 1/2									225		35			
Conditioning Mud & Circulating						D.C.			Nozzle	No. 2 1	PH	11.5	11.5	12.0	Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction				
Trip			3 1/4	3 1/4		I.D. O.D.		Fe.	Size	11 12	SD. Cont. %				Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
Lubricate Rig			1/4	1/4	4	Sib. Body O.D.	28.86	Fe.	Ser. No.	MC 617	Pressure Gradient				12:00	12:15	15						RIG SERV + v BOP					
Deviation Survey						Sib. Body O.D.		Fe.	Depth Out	2110					12:15	1:00	45						Finish Running In + Clean + Bottom					
Test B.O.P.						Rm. Body O.D.		Fe.	Depth In	2078					1:00	3:00	7						REAMING RAT HOLE					
Cut Off Drilling Line					1	Subj O.D.	3.00	Fe.	Total Ftg.	32	Mud & Chemicals Added																	
Repair Rig						Bit or C.B.		Fe.	Total Hr. Run	7	Type	Gel	500#															
Coring						Kelly Down	1506	Fe.	Cond. of Bit		Type	OV-68	1/2 Gal															
Wire Line Logging						Total	2110	Fe.	Reamer No.		Amt.																	
Running Casing & Cementing						Wt. of String	654	Lbs.	Reamer Type																			
Waiting on Cement						Pipe in Hole	51	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.																		
Drill Stem Test						Pipe on Racks	70	Jts.	Trucker																			
Other						Total Pipe on Lease	121	Jts.	Trucker																			

MORNING TOUR

AMERICAN PETROLEUM INSTITUTE
FEBRUARY 1964

[illegible][illegible]

No 7531

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease
Well Name AQUITA HIGHLAND LK-42
Location - Sec. 31 Twp. 12 Rge. 23 W. 36 M.
Date Feb 12 1973Weather Condition Cold Road Conditions Rough Nearest Town Simpson Water Source Lake Miles Hauled 9 Pumped 500 Camp Distance from Rig 500 Reason for Extra L. Plant CAMP

OPERATOR

Rig No. 4
DWKS U-34
Drill Pipe String 2 1/2
Tool Joint 5 3/4 O.D.
Type Thd. PH

PUMPS

No. 1 MANUFACTURER NAT. TYPE C-250 STROKE LENGTH 15
2.
3.
LAST CASING TUBING OR LINERSize 8 5/8 Make New Wt. & Gr. 24" K-55 No Joints 13 Feet 540 RKB, to CSG. HD. 540 Set at 540 Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual			
Raming			
Conditioning Mud & Circulating			
Trips	<u>4 3/4</u>	<u>4 1/2</u>	
Lubricate Rig	<u>1/4</u>	<u>3/4</u>	<u>1/4</u>
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			<u>1</u>
Coring			<u>2 3/4</u>
Wire Line Serv. Core. Oil. Lowering Lay Down			<u>1 1/4</u>
Running Casing & Cementing			
CEMENT TO CEMENTATION	<u>3/4</u>		
Wash Out	<u>1/2</u>		
RECOVER CORE	<u>3/4</u>		<u>1</u>
Fishing	<u>8</u>		<u>8</u>

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
24	Stand D.P.	Fe.	Bit No. <u>4</u>	Time									
1	Singles D.P.	<u>1533.15</u> Fe.	Size	Weight									
	D.C.		Mfg.	Visc.-Sec.									
16	I.D. O.D.	<u>466.70</u> Fe.	Type <u>0</u>	W.L.-C.C.									
	D.C.		No. <u>1</u>	FL TR. CK.									
	I.D. O.D.	Fe.	Nozzle Size	PH									
	Sub. Body O.D.	<u>1.3</u> Fe.	Ser. No.	SD. Cont. %									
	Sub. Body O.D.	<u>72</u> Fe.	Depth Out	Pressure Gradient									
	Rmr. Body O.D.	Fe.	Depth In <u>2078</u>										
	Subs O.D.	<u>3.00</u> Fe.	Total Ftg. <u>7</u>	Mud & Chemicals Added									
	Bit or C.B.	<u>64.30</u> Fe.	Total Hr. Run <u>3</u>	Type Amt. Type Amt.									
	Kelly Down	<u>16.30</u> Fe.	Cond. of Bit										
	Total	<u>2085</u> Fe.	Reamer No.										
	Wt. of String	<u>64,000</u> Lbs.	Reamer Type										
	Pipe in Hole	<u>49</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.										
	Pipe on Racks	<u>72</u> Jts.	Trucker										
	Total Pipe on Lease	<u>121</u> Jts.	Trucker										
			Driller <u>Brian Spence</u>										

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

RIG SERV + BOP
WORK ON Pump
HOIST CORE #1 + Check for wash out
LAY DOWN CORE + Service Barrel
WORK ON Pump
W.O.O
Run in to Cut CORE #2
CLEAN TO BOTTOM

Core #1 2078-2085

Rec 1'

A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	

DAY TOUR

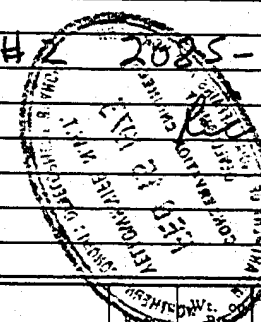
NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
24	Stand D.P.	Fe.	Bit No. <u>4</u>	Time <u>9:00 12:00 3:00</u>									
5	Singles D.P.	<u>1533.15</u> Fe.	Size	Weight <u>9.5 9.5 9.5</u>									
	D.C.		Mfg.	Visc.-Sec. <u>60 60 65</u>									
16	I.D. O.D.	<u>466.70</u> Fe.	Type <u>0</u>	W.L.-C.C. <u>10.2 10.2 7.5</u>									
	D.C.		No. <u>1</u>	FL TR. CK. <u>3/32 3/32 3/32</u>									
	I.D. O.D.	Fe.	Nozzle Size	PH <u>11.5 11.5 10.0</u>									
1	Sub. Body O.D.	<u>1.63</u> Fe.	Ser. No.	SD. Cont. %									
1	Sub. Body O.D.	<u>72</u> Fe.	Depth Out	Pressure Gradient									
	Rmr. Body O.D.	Fe.	Depth In <u>2078</u>										
1	Subs O.D.	<u>3.00</u> Fe.	Total Ftg. <u>30</u>	Mud & Chemicals Added									
	Bit or C.B.	<u>64.30</u> Fe.	Total Hr. Run <u>10 3/4</u>	Type Amt. Type Amt.									
	Kelly Down	<u>39.50</u> Fe.	Cond. of Bit	<u>GELL 100</u>									
	Total	<u>2108.00</u> Fe.	Reamer No.	<u>CML 25</u>									
	Wt. of String	<u>64,000</u> Lbs.	Reamer Type	<u>DK 68 80</u>									
	Pipe in Hole	<u>49</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.										
	Pipe on Racks	<u>72</u> Jts.	Trucker										
	Total Pipe on Lease	<u>121</u> Jts.	Trucker										
			Driller <u>Ross Callings</u>										

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

Drive Rig SERV + BOP + MOTOR SHUT OFF
CORING

Core #2 2085-2108

21.3'



Total Day Work

WIRE LINE RECORD

Reel No.	
No. of Lines	Size
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	
Cumulative Rousting Hrs.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
	Stand D.P.	Fe.	Bit No. <u>5</u>	Time									
	Singles D.P.	Fe.	Size <u>7 3/8</u>	Weight									
	D.C.		Mfg. <u>Smith</u>	Visc.-Sec.									
	I.D. O.D.	Fe.	Type <u>SVH</u>	W.L.-C.C.									
	D.C.		No. <u>2 1</u>	FL TR. CK.									
	I.D. O.D.	Fe.	Nozzle Size <u>11 12</u>	PH									
	Sub. Body O.D.	Fe.	Ser. No. <u>MC 617</u>	SD. Cont. %									
	Sub. Body O.D.	Fe.	Depth Out	Pressure Gradient									
	Rmr. Body O.D.	Fe.	Depth In <u>2078</u>										
	Subs O.D.	Fe.	Total Ftg.	Mud & Chemicals Added									
	Bit or C.B.	Fe.	Total Hr. Run	Type Amt. Type Amt.									
	Kelly Down	Fe.	Cond. of Bit										
	Total	Fe.	Reamer No.										
	Wt. of String	Lbs.	Reamer Type										
	Pipe in Hole	Jts.	Water Charges Reg. Hrs. O.T. Hrs.										
	Pipe on Racks	Jts.	Trucker										
	Total Pipe on Lease	Jts.	Trucker										
			Driller										

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

Rig SERV + BOP ✓
HOIST CORE NO. 2.
RECOVER CORE NO. 2.
SERV + LAY DOWN CORE BBLs.
Pick up Reamer and Run in.
Thaw out Hydraulic
Run in + Clean to Bot hds.

7530
GUTHRIE McLAREN
Drilling Co.

Form 6

[illegible]

TIME DISTRIBUTION—HOURS				DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)		Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Par'd-P Com'd-C
	Morn	Day	Eve	NO.		Bit No.		Time				From	To	Fig.								Liner Size	S.P.M.	Liner Size	S.P.M.	
Rig Up & Tear Down				24	Stands D.P.	1501.68 Ft.	3		1:00	4:00	7:00	1970	2040	70	0				50	30	850	5"	62			
Drilling Actual	7 1/2	3 1/2			Singles D.P.		7 3/8		9.7	9.7	9.6															
Reaming			1/2		D.C.		Mfg.		39	49	44															
Conditioning Mud & Circulating	4	4		16	I.D. O.D.	466.70 Ft.	Type																			
Trips		2 3/4			D.C.		No.																			
Lubricate Rig	1/4	1/4	1/4		I.D. O.D.		No. 2 1																			
Deviation Survey	1/4						Size 11 12																			
Test B.O.P.				4	Stb. Body O.D.	28.86 Ft.	Ser. No.																			
Cut Off Drilling Line					Stb. Body O.D.		420934																			
Repair Rig					Rmr. Body O.D.		Depth Out																			
Coring			3	1	Subs O.D.	3.00 Ft.	Depth In																			
Wire Line Logging					Bit or C.B.		Total Ftg.																			
Running Casings & Cementing					Kelly Down	39.76 Ft.	Total Hr. Run																			
Waiting on Cement					Total	2040 Ft.	Cond. of Bit																			
Drill Stem Test					Wt. of String	62.000 Lbs.	Reamer No.																			
Other					Pipe in Hole	48 Jts.	Reamer Type																			
					Pipe on Racks	73 Jts.	Water Charges																			
					Total Pipe on Lease	121 Jts.	Reg. Hrs. O.T. Hrs.																			

MORNING TOUR

Mud & Chemicals Added
 Type Amt. Type Amt.
 Gel 1000#
 DV-68 1 gal
 CMC 50#

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
 DRLG
 RIG SERV & BOP
 SURVEY
 DRILLING
 FUEL AT 2:00 A.M. - 5'

[illegible]

DRILLING ASSEMBLY AT END OF TOUR										BIT RECORD				MUD RECORD				FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Par d-P Com d-C								
Total Day Work		Standards D.P.		Ft.		Bit No.		4		Time		11.00		From		To		Ft.		7							C		88			12.4		5		62			
WIRE LINE RECORD																																							
Reel No.																																							
No. of Lines										Size																													
Feet Slipped																																							
Feet Cut Off																																							
Present Length																																							
Ton Mi. or Trips Since Last Cut										76 12196																													
Cumulative Ton Mi. or Trips																																							
No. of Days From Spud										8																													
Cumulative Rotating Hrs.																																							
Total										2085																													
Wt. of String										63,000																													
Pipe in Hole										49																													
Pipe on Racks										72																													
Total Pipe on Lease										121																													
Water Charges										Reg. Hrs. O.T. Hrs.																													
Trucker																																							
Trucker																																							
Trucker																																							
Driller																																							

No

7529

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease
Well Name AQUITA HIGHLAND LK-42 Date
Location - Sec. 31 Twp. 40 Rgs. 23 W. 36M. 5-6-10 1973Weather Condition Cold Road Conditions Rough Nearest Town Ft. Simpson Water - Source Miles Hauled Pumped Camp Distance from Rig Reason for Extra L. Plant

OPERATOR

Rig No. 4
DWKS U-34
Drill Pipe String 5 3/4 O.D.
Tool Joint 5 3/4 O.D.
No. 2 Size 4 1/2 Type EH

PUMPS

No. 1 MANUFACTURER NAT TYPE C-250 STROKE LENGTH 15
2.
3.

LAST CASING TUBING OR LINER

Size 8 3/8 Make NEW Wt. & Gr. 21 K-55 No Joints 13 Feet 540 RKB. to CSO. HD. 540 Set at Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION - HOURS

	Morn.	Day	Eve
Rig Up & Tear Down			
Drilling Actual	<u>1 1/2</u>	<u>7 3/4</u>	<u>7 3/4</u>
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig	<u>1/4</u>	<u>1/4</u>	<u>1/4</u>
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coaming			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			

MORNING TOUR

NO.	DRILLING AT END OF TOUR	ASSEMBLY	BIT RECORD	MUD RECORD
20	Stands D.P.	<u>1282.16</u> Ft.	Bit No. <u>3</u>	Time <u>1:00</u> <u>11:00</u> <u>7:00</u>
1	Singles D.P.		Size <u>7 3/4</u>	Weight <u>9.4</u> <u>9.5</u> <u>9.6</u>
	D.C.		Mfg. <u>SEC</u>	Visc.-Sec. <u>41</u> <u>41</u> <u>41</u>
16	I.D. O.D.	<u>466.70</u> Ft.	Type <u>S-86</u>	W.L.-C.C. <u>9.5</u> <u>0.9</u>
	D.C.		No. <u>2</u> <u>1</u>	FL TR. CK. <u>2 3/2</u> <u>2 3/2</u>
	I.D. O.D.		Size <u>11</u> <u>12</u>	PH <u>11.5</u> <u>11.5</u>
4	Sub. Body O.D.	<u>28.86</u> Ft.	Ser. No. <u>420984</u>	SD. Cont. %
	Sub. Body O.D.		Depth Out	Pressure Gradient
	Rmr. Body O.D.		Depth In <u>16.65</u>	
1	Subs O.D.	<u>3.00</u> Ft.	Total Fig. <u>133</u>	Mud & Chemicals Added
	Bit or C.B.		Total Hr. Run <u>1 1/4</u>	Type Amt. Type Amt.
	Kelly Down	<u>17.28</u> Ft.	Cond. of Bit	
	Total	<u>1798</u> Ft.	Reamer No.	
	Wt. of String	<u>60.000</u> Lbs.	Reamer Type	
	Pipe in Hole	<u>41</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks	<u>30</u> Jts.	Trucker	
	Total Pipe on Lease	<u>121</u> Jts.	Trucker	
			Driller <u>Brian Sance</u>	

FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Par'd-P Com'd-C
From	To	Ftge.							Liner Size	S.P.M.	Liner Size	S.P.M.	
1702	1798	96	0			50	30"	800	5"	62			
								550		53			
								200		34			

Deviation Record		Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction	
Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
12:00	12:15	15						RIG SERV. + ✓ BOP:			
12:15	8:00	7 3/4						DRILL			

A. Perforating	
B. Tubing Trips	
C. Swabbing	
D. Testing	
E. Additional	
Totals	<u>8</u> <u>8</u> <u>8</u>

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	

DAY TOUR

NO.	DRILLING AT END OF TOUR	ASSEMBLY	BIT RECORD	MUD RECORD
22	Stands D.P.	<u>1397.0</u> Ft.	Bit No. <u>3</u>	Time <u>9:00</u> <u>12:10</u> <u>3:00</u>
	Singles D.P.		Size <u>7 3/4</u>	Weight <u>9.6</u> <u>9.6</u> <u>9.7</u>
	D.C.		Mfg. <u>SEC</u>	Visc.-Sec. <u>44</u> <u>45</u> <u>45</u>
16	I.D. O.D.	<u>466.70</u> Ft.	Type <u>S-86</u>	W.L.-C.C. <u>9.8</u> <u>9.8</u> <u>9.8</u>
	D.C.		No. <u>2</u> <u>1</u>	FL TR. CK. <u>2 3/2</u> <u>2 3/2</u> <u>2 3/2</u>
	I.D. O.D.		Size <u>11</u> <u>12</u>	PH <u>11.5</u> <u>11.5</u> <u>11.5</u>
4	Sub. Body O.D.	<u>28.86</u> Ft.	Ser. No. <u>420984</u>	SD. Cont. %
	Sub. Body O.D.		Depth Out	Pressure Gradient
	Rmr. Body O.D.		Depth In <u>16.65</u>	
1	Subs O.D.	<u>3.00</u> Ft.	Total Fig. <u>288</u>	Mud & Chemicals Added
	Bit or C.B.		Total Hr. Run <u>19</u>	Type Amt. Type Amt.
	Kelly Down	<u>11.43</u> Ft.	Cond. of Bit	
	Total	<u>1887</u> Ft.	Reamer No.	
	Wt. of String	<u>62.000</u> Lbs.	Reamer Type	
	Pipe in Hole	<u>44</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks	<u>77</u> Jts.	Trucker <u>DIETZ 10.12</u>	
	Total Pipe on Lease	<u>121</u> Jts.	Trucker	
			Driller <u>Pass Collinge</u>	

FOOTAGE			DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1		Pump No. 2		Method Run SGL-S Par'd- Com'd-
From	To	Ftg.							Liner Size	S.P.M.	Liner Size	S.P.M.	
1798	1887	85	0			50	30	850	5"	62			
								550		51			
								250		36			
Deviation Record		Depth		Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction		
Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
8:00	8:15	15						Rig SER. Bops + Motor SHUT OFF CHECK					
8:15	4:00	7 3/4						DRILL					
MUD WEIGHT UP DUE TO NO WATER.													

Total Day Work

WIRE LINE RECORD	
Reel No.	
No. of Lines	<u>Size</u>
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	<u>76</u>
Cumulative Ton Mi. or Trips	
No. of Days From Spud	<u>7</u>
Cumulative Rotating Hrs.	

EVENING TOUR

NO.	DRILLING AT END OF TOUR	ASSEMBLY	BIT RECORD	MUD RECORD
23	Stands D.P.	<u>1440.00</u> Ft.	Bit No. <u>3</u>	Time <u>5:00</u> <u>7:00</u> <u>11:00</u>
	Singles D.P.		Size <u>7 3/4</u>	Weight <u>9.8</u> <u>9.8</u> <u>9.7</u>
	D.C.		Mfg. <u>SEC</u>	Visc.-Sec. <u>45</u> <u>45</u> <u>41</u>
16	I.D. O.D.	<u>466.70</u> Ft.	Type <u>S-86</u>	W.L.-C.C. <u>10.5</u> <u>11.2</u>
	D.C.		No. <u>2</u> <u>1</u>	FL TR. CK. <u>2 3/2</u> <u>2 3/2</u>
	I.D. O.D.		Size <u>11</u> <u>12</u>	PH <u>11.5</u> <u>11.5</u> <u>11.5</u>
4	Sub. Body O.D.	<u>28.86</u> Ft.	Ser. No. <u>420984</u>	SD. Cont. %
	Sub. Body O.D.		Depth Out	Pressure Gradient
	Rmr. Body O.D.		Depth In <u>16.65</u>	
1	Subs O.D.	<u>3.00</u> Ft.	Total Fig. <u>301</u>	Mud & Chemicals Added
	Bit or C.B.		Total Hr. Run <u>26 3/4</u>	Type Amt. Type Amt.
	Kelly Down	<u>31.44</u> Ft.	Cond. of Bit	
	Total	<u>1970</u> Ft.	Reamer No.	
	Wt. of String	<u>62.0</u> Lbs.	Reamer Type	
	Pipe in Hole	<u>46</u> Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Pipe on Racks	<u>75</u> Jts.	Trucker	
	Total Pipe on Lease	<u>121</u> Jts.	Trucker	
			Driller <u>C.M.C. 25th</u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From To Ftg.							Liner Size S.P.M.	Liner Size S.P.M.	SGL-S Par'd-P Com'd-C
1887 1970 83	<u>0</u>			<u>50</u>	<u>30</u>	<u>850</u>	<u>5"</u> <u>62</u>	<u>53</u>	
						<u>250</u>	<u>38</u>		
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started Hour Stopped Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
11:00 11:15 15						RIG SERV. Bops + Motor SHUT OFF ✓			
11:15 12:00 7 3/4						DRILL			

No 7528

GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name AQUIT HIGHLAND LK-42
Location - Sec. 31 Twp. 40 Rge. 23 W. 36M.

Date

Feb 9 1973Weather Condition ColdRoad Conditions RoughNearest Town St. SimpsonWater Source CRAVECamp Distance from Rig 500 yds

OPERATOR

Rig No. 4
DWKS U-34
Drill Pipe String
Tool Joint 5 3/4 O.D.
No. 2 Size 4 1/2 Type TH

PUMPS

LAST CASING TUBING OR LINER

Size 8 5/8 Make Wt. & Gr. No Joints 13 Feet 540

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

No. 1 MANUFACTURER NAT TYPE C-250 STROKE LENGTH 15
No. 2
No. 3

TIME DISTRIBUTION—HOURS

	Morn	Day	Even
Rig Up & Tear Down			
Drilling Actual	<u>7 1/2</u>	<u>7 1/2</u>	<u>3 1/2</u>
Reaming			
Conditioning Mud & Circulating			
Trips			<u>3 1/2</u>
Lubricate Rig	<u>1/4</u>	<u>1/4</u>	<u>1/4</u>
Deviation Survey		<u>1/4</u>	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig Pump			<u>1/2</u>
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	<u>1/4</u>		

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
17	Stands D.P. <u>1063.73</u> Ft.	Bit No. <u>2</u> Size <u>7 7/8</u> Mfg. <u>SMITH</u> Type <u>SVH</u> No. <u>2</u> Size <u>11 1/2</u>	Time <u>2:00</u> <u>5:00</u> <u>7:00</u> Weight <u>9.4</u> <u>9.4</u> <u>9.4</u> Visc.-Sec. <u>37</u> <u>38</u> <u>42</u> W.L.-C.C. <u></u> <u>9.0</u> FL TR. CK. <u></u> <u>3/32</u> PH <u></u> <u>11.5</u> <u>11.5</u> SD. Cont. % <u></u> Pressure Gradient <u></u>
16	I.D. O.D. <u>466.70</u> Ft.		
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>MC-632</u>	
1	Subs O.D. <u>3.00</u> Ft.	Total Ftg. <u>616</u>	
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>18 1/2</u>	
	Kelly Down <u>34.71</u> Ft.	Cond. of Bit <u></u>	
	Total <u>1597</u> Ft.	Reamer No. <u></u>	
	Wt. of String <u>56,000</u> Lbs.	Reamer Type <u></u>	
	Pipe in Hole <u>34</u> Jts.	Water Charges <u></u> Reg. Hrs. O.T. Hrs. <u></u>	
	Pipe on Racks <u>87</u> Jts.	Trucker <u></u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>1450</u> To <u>1597</u> Ftg. <u>147</u>	<u>0</u>	<u></u>	<u></u>	<u>40</u>	<u>30</u>	<u>900</u>	<u>5"</u>	<u>62</u>	<u>SGL-S Par el-P Com d-C</u>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>12:00</u> Hour Stopped <u>12:15</u> Elapsed Time <u>15</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<u>12:15</u> <u>5:30</u> <u>5 1/4</u>						<u>RIG SERV + V B.O.P.</u>			
<u>5:30</u> <u>5:45</u> <u>1 1/4</u>						<u>DRILLING</u>			
<u>5:45</u> <u>8:00</u> <u>2 1/4</u>						<u>CLEAN SHAKER TANK</u>			
						<u>DRLG</u>			
						<u>FILE @ 8:00 AM 3'3"</u>			
						<u>HELD BLOW OUT DRILL</u>			

COMPLETION WORK
A. Perforating
B. Tubing Trips
C. Swabbing
D. Testing
E. Additional
Totals <u>8</u> <u>8</u> <u>8</u>

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
18	Stands D.P. <u>1126.42</u> Ft.	Bit No. <u>2</u> Size <u>7 7/8</u> Mfg. <u>SMITH</u> Type <u>SVH</u> No. <u>2</u> Size <u>11 1/2</u>	Time <u>9:00</u> <u>12:00</u> <u>3:00</u> Weight <u>9.4</u> <u>9.3</u> <u>9.3</u> Visc.-Sec. <u>42</u> <u>40</u> <u>39</u> W.L.-C.C. <u></u> <u>10.0</u> FL TR. CK. <u></u> <u>3/32</u> PH <u></u> <u>11.5</u> <u>11.5</u> <u>11.5</u> SD. Cont. % <u></u> Pressure Gradient <u></u>
16	I.D. O.D. <u>466.70</u> Ft.		
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>MC-632</u>	
1	Subs O.D. <u>3.00</u> Ft.	Total Ftg. <u>684</u>	
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>26</u>	
	Kelly Down <u>44.02</u> Ft.	Cond. of Bit <u>541</u>	
	Total <u>1665.08</u> Ft.	Reamer No. <u></u>	
	Wt. of String <u>58,000</u> Lbs.	Reamer Type <u></u>	
	Pipe in Hole <u>36</u> Jts.	Water Charges <u></u> Reg. Hrs. O.T. Hrs. <u></u>	
	Pipe on Racks <u>85</u> Jts.	Trucker <u></u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>1597</u> To <u>1665</u> Ftg. <u>68</u>	<u>10</u>	<u></u>	<u></u>	<u>40</u>	<u>30</u>	<u>900</u>	<u>5"</u>	<u>62</u>	<u>SGL-S Par el-P Com d-C</u>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>4:00</u> Hour Stopped <u>8:15</u> Elapsed Time <u>4 1/4</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<u>8:15</u> <u>3:45</u> <u>4</u>						<u>RIG SERV + BOPS. V MOTOR SHUT OFF</u>			
<u>3:45</u> <u>4:00</u> <u>1/4</u>						<u>DRILL</u>			
						<u>DRAP SURVEY</u>			
						<u>TALLY — 1665.10</u>			
						<u>S.L.M. — 1663.42</u>			
						<u>1.68 DIFF NO CORR.</u>			

WIRE LINE RECORD
Reel No. <u></u>
No. of Lines <u></u> Size <u></u>
Feet Slipped <u></u>
Feet Cut Off <u></u>
Present Length <u></u>
Ton Mi. or Trips Since Last Cut <u></u>
Cumulative Ton Mi. or Trips <u></u>
No. of Days from Spud <u></u>
Cumulative Rotating Hrs. <u></u>

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD
19	Stands D.P. <u>1189.23</u> Ft.	Bit No. <u>3</u> Size <u>7 7/8</u> Mfg. <u>SEC.</u> Type <u>S-86</u> No. <u>2</u> Size <u>11 1/2</u>	Time <u>8:00</u> <u>10:00</u> Weight <u>9.3</u> <u>9.3</u> Visc.-Sec. <u>42</u> <u>42</u> W.L.-C.C. <u></u> <u>9.4</u> FL TR. CK. <u></u> <u>3/32</u> PH <u></u> <u>11.5</u> SD. Cont. % <u></u> Pressure Gradient <u></u>
16	I.D. O.D. <u>466.70</u> Ft.		
4	Sub. Body O.D. <u>28.86</u> Ft.	Ser. No. <u>420984</u>	
1	Subs O.D. <u>3.00</u> Ft.	Total Ftg. <u>37</u>	
	Bit or C.B. <u></u> Ft.	Total Hr. Run <u>3 1/2</u>	
	Kelly Down <u>14.21</u> Ft.	Cond. of Bit <u></u>	
	Total <u>1702</u> Ft.	Reamer No. <u></u>	
	Wt. of String <u>58 M.</u> Lbs.	Reamer Type <u></u>	
	Pipe in Hole <u>38</u> Jts.	Water Charges <u></u> Reg. Hrs. O.T. Hrs. <u></u>	
	Pipe on Racks <u>83</u> Jts.	Trucker <u></u>	
	Total Pipe on Lease <u>121</u> Jts.	Trucker <u></u>	

FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
From <u>1665</u> To <u>1702</u> Ftg. <u>37</u>	<u>0</u>	<u></u>	<u></u>	<u>50</u>	<u>30</u>	<u>800</u>	<u>5"</u>	<u>62</u>	<u>SGL-S Par el-P Com d-C</u>
Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
Hour Started <u>4:00</u> Hour Stopped <u>4:15</u> Elapsed Time <u>15</u>	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
<u>4:15</u> <u>8:00</u> <u>3 3/4</u>						<u>RIG SERV BOPS & MOTOR SHUT OFF</u>			
<u>8:00</u> <u>8:30</u> <u>3</u>						<u>TRIP FOR BIT & STRAP IN</u>			
<u>11:00</u> <u>11:30</u> <u>1/2</u>						<u>DRAG</u>			
<u>11:30</u> <u>12:00</u> <u>1/2</u>						<u>WORK ON PUMP</u>			
						<u>DRAG</u>			

No

7225

GUTHRIE McLAREN
Drilling Co.

DAILY DRILLING REPORT

Form 6

Lease Well Name AGUIT HIGHLAND LK-42
Location - Lat. 62 Sec. 31 Twp. 40 Rge. 23W 36N

Date

Feb 6 19 73Weather Condition MildRoad Conditions RoughNearest Town Ft SimpsonWater - Source CREEKCamp Distance from Rig 500 ydsRig No. 4
Drill Pipe String 5 3/4 O.D.
No. 2 Site 2 Type FH

PUMPS

LAST CASING
TUBING
OR LINER

Size	Make	Wt. & Cr.	No. Joints	Feet	RKB. to C&G. HD.	Set at	Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	<u>NAT</u>	<u>C-250</u>	<u>15</u>
2.			
3.			

TIME DISTRIBUTION - HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing	<u>5</u>		
Waiting on Cement	<u>3</u>		
Drill Stem Test			
Other			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
3	Stands D.P.	Ft.	Bit No.	Time									
1	Singles D.P.	219.08 Ft.	Size	Weight									
	D.C.		Mfg.	Visc.-Sec.									
10	I.D. O.D.	289.59 Ft.	Type	W.L.-C.C.									
	D.C.		No.	FL TR. CK.									
	I.D. O.D.		Nozzle Size	PH									
	Sub. Body O.D.		Ser. No.	SD. Cont. %									
1	Sub. Body O.D.	3.00 Ft.	Depth Out	Pressure Gradient									
1	Sub. Body O.D.	2.00 Ft.	Depth In										
1	Sub. Body O.D.	1.10 Ft.	Total Ftg.										
	Bit or C.B.	1.00 Ft.	Total Hr. Run										
	Kelly Down	14.23 Ft.	Cond. of Bit										
	Total	540. Ft.	Reamer No.										
	Wt. of String	3300. Lbs.	Reamer Type										
	Pipe in Hole	7 Jts.	Water Charges	Reg. Hrs. O.T. Hrs.									
	Pipe on Racks	114 Jts.	Trucker										
	Total Pipe on Lease	121 Jts.	Trucker										
			Driller <u>Brian Spence</u>										

Fishing			
A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	<u>8</u>		

TIME SUMMARY (Office Use Only)

Day Work			
Hrs. W/DP			
Hrs. W/O/DP			
Hrs. Standby			

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
	Stands D.P.	Ft.	Bit No.	Time									
	Singles D.P.	Ft.	Size	Weight									
	D.C.		Mfg.	Visc.-Sec.									
	I.D. O.D.	Ft.	Type	W.L.-C.C.									
	D.C.		No.	FL TR. CK.									
	I.D. O.D.	Ft.	Nozzle Size	PH									
	Sub. Body O.D.	Ft.	Ser. No.	SD. Cont. %									
	Sub. Body O.D.	Ft.	Depth Out	Pressure Gradient									
	Rmr. Body O.D.	Ft.	Depth In										
	Subs O.D.	Ft.	Total Ftg.										
	Bit or C.B.	Ft.	Total Hr. Run										
	Kelly Down	Ft.	Cond. of Bit										
	Total	Ft.	Reamer No.										
	Wt. of String	Lbs.	Reamer Type										
	Pipe in Hole	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.									
	Pipe on Racks	Jts.	Trucker										
	Total Pipe on Lease	Jts.	Trucker										
			Driller <u>Norm Colling</u>										

Total Day Work			
----------------	--	--	--

WIRE LINE RECORD

Reel No.	
No. of Lines	
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Tcpi Since Last Cut	
Cumulative Ton Mi. or Tcpi	
No. of Days From Spd	
Cumulative Rotating Hrs.	

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
	Stands D.P.	Ft.	Bit No.	Time									
	Singles D.P.	Ft.	Size	Weight									
	D.C.		Mfg.	Visc.-Sec.									
	I.D. O.D.	Ft.	Type	W.L.-C.C.									
	D.C.		No.	FL TR. CK.									
	I.D. O.D.	Ft.	Nozzle Size	PH									
	Sub. Body O.D.	Ft.	Ser. No.	SD. Cont. %									
	Sub. Body O.D.	Ft.	Depth Out	Pressure Gradient									
	Rmr. Body O.D.	Ft.	Depth In										
	Subs O.D.	Ft.	Total Ftg.										
	Bit or C.B.	Ft.	Total Hr. Run										
	Kelly Down	Ft.	Cond. of Bit										
	Total	Ft.	Reamer No.										
	Wt. of String	Lbs.	Reamer Type										
	Pipe in Hole	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.									
	Pipe on Racks	Jts.	Trucker										
	Total Pipe on Lease	Jts.	Trucker										
			Driller										

RAN 13 JTS - 559' 8 3/4" - K-55, 24", RANGE 3, ST. & C. 2 RD. THREAD CASING W/ WATCO FLOAT SHOE & FLOAT COLLAR, 1 CENTRALIZER, 5' ABOVE SHOE & 1 ON THIRD COLLAR - 10 BBL'S WATER AHEAD & CEMENTED W/ 333 SKS OILWELL CEMENT & DISPLACED W/ 31.6 BBL'S WATER. PLUG BUMPED W/ 900 PSI PLUG DOWN @ 5:00 AM FEB. - 6-73 CASING LANDED @ 540 K.B.

WELDED ON Csg. RAWL
HEADING UP

RECEMENTED W/ 80 SKS OILWELL CEMENT FROM SURFACE

No 7223

GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name Aguit Highland Lk. K-42
Location - Sec. 37 Twp. 40 Rge. 23 W 36 M. Date FEB 4 1973Weather Condition ColdRoad Conditions GoodNearest Town FORT SIMPSONWater Source CREEK
Miles Hauled 2Camp Distance from Rig 300 yds
Reason for Extra L. Plant CAMP

OPERATOR

Rig No.
4
DWKS
U-34Drill Pipe
String
No. 3 Size 5 3/4 Type Thd. FH

PUMPS

MANUFACTURER
TYPE
STROKE LENGTH
1. NAT C250 15"
2.
3.LAST
CASING
TUBING
OR LINER

Size Make Wt. & Gr. No Joints Feet RKB. to CSG. HD. Set at Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	4	5	2 1/2
Reaming			
Conditioning Mud & Circulating			
Trips	3/4	1 1/4	
Lubricate Rig	1/4		
Deviation Survey	1 1/2	1 3/4	1/2
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig	1 1/2		
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
	Stands D.P.	Fe.	Bit No.	1-5 2-5	Time	100 400 700							
	Singles D.P.	Fe.	Size	12 1/4 7 7/8	Weight								
	D.C.	Fe.	Mfg.	REED REED	Visc.-Sec.	100 105 120							
8	I.D. O.D.	229.33	Fe.	Type	Y73 573-J	W.L.-C.C.							
	D.C.		No.	1 2 3	FL TR. CK.								
	I.D. O.D.		Fe.	Size	15 18 16	PH	12.0 12.0 12.0						
	Sub. Body O.D.		Fe.	Ser. No.	201624 591552	SD. Cont. %							
	Sub. Body O.D.		Fe.	Depth Out	166 IN	Pressure Gradient							
	Rmr. Body O.D.		Fe.	Depth In	0 166								
2	Subs O.D.	5.00	Fe.	Total Ftg.	166 108	Mud & Chemicals Added							
	Bit or C.B.		Fe.	Total Hr. Run	8 1/2 3 3/4	Type Amt. Type Amt.							
	Kelly Down	39.67	Fe.	Cond. of Bit		LIME 25 lbs							
	Total	274.00	Fe.	Reamer No.		CEL 1000 lbs							
	Wt. of String	30,000	Lbs.	Reamer Type		DV-68 1/3 GRL							
	Pipe in Hole		Jts.	Water Charges	Reg. Hrs. O.T. Hrs.								
	Pipe on Racks		Jts.	Trucker									
	Total Pipe on Lease	121	Jts.	Trucker		Driller Allan Angus							

Fishing			
A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)			
Day Work			
Hrs. W/DP			
Hrs. WO/DP			
Hrs. Standby			

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
	Stands D.P.	Fe.	Bit No.	2-5	Time	11:20							
1	Singles D.P.	31.07	Fe.	Size	7 3/8	Weight							
	D.C.		Fe.	Mfg.	Reed	Visc.-Sec.	180						
10	I.D. O.D.	289.59	Fe.	Type	ST 3-J	W.L.-C.C.							
	D.C.		No.	3	FL TR. CK.								
	I.D. O.D.		Fe.	Size	16	PH							
	Sub. Body O.D.		Fe.	Ser. No.	591552	SD. Cont. %							
	Sub. Body O.D.		Fe.	Depth Out	166	Pressure Gradient							
	Rmr. Body O.D.		Fe.	Depth In	166								
2	Subs O.D.	5.00	Fe.	Total Ftg.	179	Mud & Chemicals Added							
	Bit or C.B.		Fe.	Total Hr. Run	8 3/4	Type Amt. Type Amt.							
	Kelly Down	18.87	Fe.	Cond. of Bit									
	Total	345.5	Fe.	Reamer No.									
	Wt. of String	31,000	Lbs.	Reamer Type									
	Pipe in Hole		Jts.	Water Charges	Reg. Hrs. O.T. Hrs.								
	Pipe on Racks	120	Jts.	Trucker									
	Total Pipe on Lease	121	Jts.	Trucker		Driller Brian Spruce							

WIRE LINE RECORD			
Reel No.			
No. of Lines		Size	
Feet Slipped			
Feet Cut Off			
Present Length			
Ton Mi. or Trips Since Last Cut			
Cumulative Ton Mi. or Trips			
No. of Days From Spud	2		
Cumulative Rotating Hrs.			

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
	Stands D.P.	Fe.	Bit No.	2-5	Time	5:00 8:00 11:00							
1	Singles D.P.	156.54	Fe.	Size	7 3/8	Weight							
	D.C.		Fe.	Mfg.	REED	Visc.-Sec.	170 150 130						
10	I.D. O.D.	289.59	Fe.	Type	ST 3-J	W.L.-C.C.							
	D.C.		No.	3	FL TR. CK.								
	I.D. O.D.		Fe.	Size	16	PH	10.5 10.5 10.5						
	Sub. Body O.D.		Fe.	Ser. No.	591552	SD. Cont. %							
	Sub. Body O.D.		Fe.	Depth Out	166	Pressure Gradient							
	Rmr. Body O.D.		Fe.	Depth In	166								
2	Subs O.D.	5.00	Fe.	Total Ftg.	297	Mud & Chemicals Added							
	Bit or C.B.		Fe.	Total Hr. Run	164	Type Amt. Type Amt.							
	Kelly Down	11.87	Fe.	Cond. of Bit									
	Total	463.00	Fe.	Reamer No.									
	Wt. of String	33,000	Lbs.	Reamer Type									
	Pipe in Hole	5	Jts.	Water Charges	Reg. Hrs. O.T. Hrs.								
	Pipe on Racks	116	Jts.	Trucker									
	Total Pipe on Lease	121	Jts.	Trucker		Driller Ross Callings							

No 7222

GUTHRIE McLAREN
Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name Aquitaine Hill No. 42
Location - Lat. 62 Sec. 31 Twp. 40 Rge. 23 W. 36 M.

Date

FEB 3 1973

Weather Condition ColdRoad Conditions PoorNearest Town St. SimpsonWater - Source CreekCamp Distance from Rig 500 Y.D.Reason for Extra L. Plant Comp

OPERATOR

Rig No.

DWKS

U-34

Drill Pipe String

Tool Joint

5 3/4

O.D.

PUMPS

LAST CASING

TUBING

OR LINER

Size

Make

Wt. & Gr.

No Joints

Feet

RKB. to

CSG. HD.

Set at

Remarks

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Aquitaine Co. Canada Ltd.

E. Deaton

H. Branson

TIME DISTRIBUTION—HOURS

Morn Day Eve

Rig Up &

Tear Down

Drilling Actual

Reaming

Conditioning Mud

& Circulating

Trips

Lubricate Rig

Deviation Survey

Test B.O.P.

Cut Off

Drilling Line

Repair Rig

Coring

Wire Line

Logging

Running Casing

& Cementing

Waiting on

Cement

Drill Stem Test

Other

Fishing

A. Performing

B. Tubing Trips

C. Swabbing

D. Testing

E. Additional

Totals

TIME SUMMARY

(Office Use Only)

Day Work

Hrs. W/DP

Hrs. WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines

Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. of Trips

Since Last Cut

Cumulative

Ton Mi. of Trips

No. of Days

From Spud

Cumulative

Rotating Hrs.

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1	Pump No. 2	Method Run
1	Stand D.P.	Ft. Bit No. 1-5	Time 3:00	From 0 To 74 Figs. 74									
	Singles D.P.	Ft. Size 12 1/4	Weight 3.6										
	D.C.	Mfg. REED	Visc.-Sec. 38										
	I.D. O.D.	Ft. Type YT3	W.L.-C.C.										
	D.C.	No. 1 2	FL TR. CK.										
	I.D. O.D.	Ft. No. 1 2	PH										
	Sb. Body O.D.	Ft. Ser. No. 201624	SD. Cont. %										
	Sb. Body O.D.	Ft. Depth Out	Pressure Gradient										
	Sb. Body O.D.	Ft. Depth In											
	Subs	Ft. Total Fgs. 74											
	Bit or C.B.	Ft. Total Hr. Run 3											
	Kelly Down	Ft. Cond. of Bit											
	Total	Ft. Reamer No.											
	Wt. of String	Lbs. Reamer Type											
	Pipe in Hole	Jts. Water Charges Reg. Hrs. O.T. Hrs.											
	Pipe on Racks	Jts. Trucker											
	Total Pipe on Lease	Jts. Trucker											
2	Stand D.P.	Ft. Bit No. 1-5	Time 5:00 9:00 11:00	From 74 To 163 Figs. 89 D									
	Singles D.P.	Ft. Size 12 1/4	Weight 3.6 150										
	D.C.	Mfg. REED	Visc.-Sec. 36										
	I.D. O.D.	Ft. Type YT3	W.L.-C.C.										
	D.C.	No. 1 2	FL TR. CK.										
	I.D. O.D.	Ft. No. 1 2	PH										
	Sb. Body O.D.	Ft. Ser. No. 201624	SD. Cont. %										
	Sb. Body O.D.	Ft. Depth Out	Pressure Gradient										
	Sb. Body O.D.	Ft. Depth In											
	Subs	Ft. Total Fgs. 163											
	Bit or C.B.	Ft. Total Hr. Run 8 1/4											
	Kelly Down	Ft. Cond. of Bit											
	Total	Ft. Reamer No.											
	Wt. of String	Lbs. Reamer Type											
	Pipe in Hole	Jts. Water Charges Reg. Hrs. O.T. Hrs.											
	Pipe on Racks	Jts. Trucker											
	Total Pipe on Lease	Jts. Trucker											
3	Stand D.P.	Ft. Bit No. 1-5	Time 5:00 9:00 11:00	From 74 To 163 Figs. 89 D									
	Singles D.P.	Ft. Size 12 1/4	Weight 3.6 150										
	D.C.	Mfg. REED	Visc.-Sec. 36										
	I.D. O.D.	Ft. Type YT3	W.L.-C.C.										
	D.C.	No. 1 2	FL TR. CK.										
	I.D. O.D.	Ft. No. 1 2	PH										
	Sb. Body O.D.	Ft. Ser. No. 201624	SD. Cont. %										
	Sb. Body O.D.	Ft. Depth Out	Pressure Gradient										
	Sb. Body O.D.	Ft. Depth In											
	Subs	Ft. Total Fgs. 163											
	Bit or C.B.	Ft. Total Hr. Run 8 1/4											
	Kelly Down	Ft. Cond. of Bit											
	Total	Ft. Reamer No.											
	Wt. of String	Lbs. Reamer Type											
	Pipe in Hole	Jts. Water Charges Reg. Hrs. O.T. Hrs.											
	Pipe on Racks	Jts. Trucker											
	Total Pipe on Lease	Jts. Trucker											

SPUDED 1:00 PM FEB-3-73

RIG SEV
DRILL
WORK TIGHT HOLE (GRAVEL + BOULDERS)
MIX MUD
SURVEY
DRILL