

MESA MURPHY CGOA
HANNA RIVER J-05

M-NWT 686

Kesa Murphy CGOA Hanna River J-05



Well Name Nom du puits Mesa Murphy CGOA Hanna River J-05		Drilling Authority No. Autorisation de forage n° 686	
Field/Area Gisement/Région Hanna River		Date Issued Date d'émission March 7, 1973	
Location Emplacement	Unit Unité J-05-65-50-128-15	Section	Permit or Lease 3477
Latitude 65°44'30"		Longitude 128°15'30"	
U.W.L.R. N.R.U.E.P. 65.74166 -- 128.25833			
U.W.I. No. N.I.P. No. 300J056550128150			
File Microfilmed		Rig. Release Date Date de transfert de la tour de forage 04-04-73	
Tour Sheets, Microfilmed		Status Statut D + A	
		Information Release Date Date de publication autorisée des informations 04-04-75	

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

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Data for Back Pressure Test on Natural Gas Walls		Données de calcul de la capacité de production d'un puits de gaz naturel - Méthode de Vitter
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Logs - Large scale		Diagrammes: Grande échelle
Logs - Small scale		Diagrammes: Petite échelle

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 686
N° de l'autorisation de forage
Date Issued March 7, 1973
Date de délivrance

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

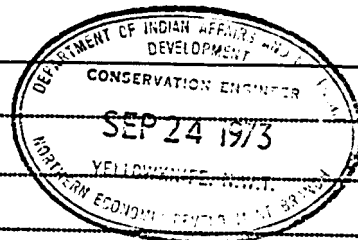
Well Name & No. - Nom et n° du puits		Permit No. - N° de permis	Lease No. - N° de concession
Mesa Murphy CGOA Hanna Riv J-05		3477	-
(Permittee, Licensee, Lessee) - (Détenant de permis ou de licence, du concessionnaire)		Exploratory Licence No. - N° de licence de sondage	
Standard Oil Company of British Columbia Limited		1501(72-73) 2013(73-74)	
(Operator) - (Exécutant)		Exploratory Licence No. - N° de licence de sondage	
Mesa Petroleum (Northern) Ltd.			

LOCATION - EMPLACEMENT

Unit - Unité	Section	Grid - Étendue quadrillée	Latitude	Longitude
J	05	65-50-128-15	65° 44' 30" N	128° 15' 30" W
Unique Well Identifier - Code d'ordinateur			Universal Well Location Reference - Références universelles d'emplacement du puits	
300J056550128150			Lat. 65.74167° N Long. 128.25833° W	

	Date	Depth - Profondeur
Spudded Début des travaux	Mar 17/73	-
Suspended Suspension des travaux	-	
Resumed Operations Reprise des travaux	-	
Finished Drilling Forage terminé	Mar 30/73	3230
Deepened Approfondissement	-	-
Complete (Gas/Oil) Achèvement (Gaz/Pétrole)	-	-
Abandoned Abandon	April 3/73	3230
Rig Released Fin des travaux	April 4/73	3230

Pool(s) Gisement(s)	-
Interval(s) Open to Production Intervalle(s) de production	-



Elevation: Gr. Altitude du sol	401	K.B. du carré d'entraînement	415
Rig No. N° de la tour de forage	11	Drilling Contractor Entrepreneur en forage	Regent
Contractor's Business Licence No. N° du permis de l'entrepreneur			

CASING RECORD - TUBAGE

Casing Size (Inches) Diamètre (en pouces)	Grade Qualité	Weight Poids	Amount Longueur	Set at - Fixation à	Sacks of Cement and Additives Sacs de ciment et d'additifs
1. 9 5/8" IT&C	J-55	40#/ft	511.38'	509'KB	300 sx oilwell cmt
2.					+ 2% CaCL2
3.					
4.					
5.					
6.					

Geological Tops Sommet des formations	Elevation - Profondeur		Core Record - Carottes					
	Depths Sous le niveau du sol	Sub-Sea Sous le niveau de la mer	From - de	To - à	Rec. Recupérées	From - de	To - à	Rec. Recup.
Kee Scarp	823	-408	-	-				
Here Indian	1030	-615						
Nahanni	1605	-1190						

Geological Tops Sommet des formations	Elevation - Profondeur		Log Record - Diagrammes			
	Depths Sous le niveau du sol	Sub-Sea Sous le niveau de la mer	Run Série	Type of Log Genre de diagramme	From - De	To - À
Headless	1824	-1409	1	Dual Induction	3210	508
Bear Road	1917	-1502	2	Formation Density	3214	508
Ronning	2703	-2288	3	Sidewall Neutron	3213	507

CEMENTING RECORD (Plug, Squeeze, etc.) CIMENTATION (Bouchon, sous pression, etc.)				PERFORATING RECORD (Bullet Jet) PERFORATION (à balles, à jet)				SERVICING RECORD (Acidizing, Fracing, etc.) ENTRETIEN (acidification, fracturation, etc.)			
Date	From - de	To - à	Remarks - Remarques	Date	From - de	To - à	Remarks - Remarques	Date	From - de	To - à	Remarks - Remarques
Apr 3/73	3230	3130	55 sx				None				None
Apr 3/73	1966	1866	75 sx Felt @ 1836'								
Apr 4/73	585	430	96 sx Felt @ 464'								
			- 5 bags C in rat hole & 5 bags C in mouse hole. - Cut casing & weld on cap.								

DRILL STEM TESTS - ESSAIS AUX TIGES

No. - No	Date	Formation	From - de	To - à	V.O. Mins. Vitesse ouverte (minutes)	I.S.I. Mins. Pénètre obtenue (minutes)	F.S.I. Mins. Obturation définitive (minutes)	I.S.I.B.H.P. Pression de fond à la fin de la circulation	F.S.I.B.H.P. Pression de fond à l'obturation définitive	I.F.B.H.P. Pression de fond au forage	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	Apr 1/73	Bear Rock	1940	2133	90	60	60	820	789	88	378	833	827	Rec'd 810' s.w.
2	Apr 2/73	Cretaceous	630	653	60	60	60	36	28	20	20	237	249	Rec'd 60' of oil cut water
3	Apr 2/73	Ronning	2700	3230	60	60	60	1157	1158	1043	1156	1159	1154	Rec'd 3063' s.w.
4	Apr 3/73	Kee Scarp	810	850	60	60	60	345	345	189	333	346	340	Rec'd 600' freshwater

ANALYSIS - ANALYSE

PRESENT STATUS OF WELL ETAT ACTUEL DU PUIT				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	Drill Sec	Susp. Travaux sus.	Company Société	Title Titre
7021-2569	Water	1940	2133	DST #1	April 1, 1973					Mesa Petroleum (Northern) Ltd.	Division Engineer
7021-3569	Water	630	653	DST #2	April 2, 1973						

Date September 18th, 1973

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

Préparer les formulaires en conservation du district.



Drilling Authority No. 686

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well or

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 Mesa Murphy CGOA Hanna Riv. J-05
Location: Unit J Section 05 Grid 65-50-128-15
Latitude 65° 44' 30" N Longitude 128° 15' 30" W
From Established Reference Marker 300J056550128150 Unique Well Identifier
Universal Well Location Reference Lat. 65.74167° N Long. 128.25833° W
Permit No. 3477 Lease No. -

Mesa Petroleum (Northern) Ltd.
(Permittee, Licencee, Lessee)

Date of commencement of proposed program -

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at
Gas at
Water at NIL
Total Depth 3230' Date of last operations April 5/73
Present condition of well Dry and abandoned.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 9 5/8"	40#	523'	509'KB	300 sx oilwell + 2% CaCl ₂	
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	3230 - 3130'		55 sx	CIP @ 6:05 p.m. April 3/73
2	1966 - 1866'		75 sx	CIP @ 6:55 p.m. April 3/73
3	585 - 430'		96 sx	CIP @ 4:15 a.m. April 4/73

The following logs have been run DILL, FDC-GR-Cal & SNP

Other operations proposed -

Operations to be carried out by Regent #11 Contractor Licence No. -
Address 1200 Calgary House, Calgary, Alberta. Address

Responsible Agent in field Evert Hicks

Dated at Calgary this 13th Day of June 19 73

Signed by [Signature] Company Mesa Petroleum (Northern) Ltd.

Title Operations Superintendent Operator's Exploratory Licence No. 1963 (72-73) 336 (73-74)

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:

Confirming oral approval given April 2, 1973

Dated June 15, 1973

R. L. Price
District Conservation Engineer



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

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

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

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

Nom et n° du puits

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

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

Code d'ordinateur

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

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

(Détenant de permis ou de licence, ou concessionnaire)

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

PÉTROLE, GAZ ET EAU

(Profondeur)

Pétrole à

Gaz à

Eau à

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

État actuel du puits

TUBAGE

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

PROGRAMME D'ABANDON PROJETÉ

Bouchon		Formation géologique	Nombre de sacs de ciment	Remarques
N°	Profondeur			
.....				
.....				
.....				
.....				
.....				
.....				
.....				
.....				
.....				

Les diagrammes suivants ont été tracés:

Autres travaux projetés

Les travaux seront exécutés par..... N° de permis de l'entrepreneur.....

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

Agent extérieur responsable.....

Fait à..... le..... 19.....

Signé par..... Société.....

Titre..... N° de licence de sondage de l'exécutant.....

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

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

APPROBATION

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

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

Ingénieur en conservation du district

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



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 . Mesa Murphy CGOA Hanna Riv J-05

Location: Unit . J . Section . 05 . Grid . 65-50-128-15

Latitude . 65° 44' 30" N . Longitude . 128° 15' 30" W .

Unique Well Identifier . 300J056550128150

Universal Well Location Reference . Lat. 65.74167° N . Long. 128.25833° W .

Elevation: Ground . 450' . K.B. . 464' . feet above sea-level.

Well is expected to produce from . Ronning . formation at a depth

of about . 3000 . feet. Expected total final depth . 4000'

Area assigned to well . Exploratory

(for District Conservation Engineer's use only)

Permit No. . 3477 . Lease No. . - . Acreage . 26.322

Permittee, licensee, or lessee . Standard Oil Company of British Columbia Limited

Exploratory Licence No. . 1501 (72-73); 2013 (73-74)

Surface owned by Crown or . -

(if alienated submit name and address of owner and occupant.)

Petroleum and natural gas rights owned by . Crown

We propose to use the following strings of casing, either cementing or landing them as indicated below:-

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 13 3/8"	54	J-55	New	140'	200
2. 9 5/8"	36	J-55	New	500'	250
3. 7	20	J-55	New	4000'	as required by Caliper
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment . Ronning

Hydril series 900 plus Cameron or Shaffer dble gat BOP with pipe and blind

rams connected as shown by attached diagram to heated manifold.

Well will be drilled with Rotary Rig No. . 11 . by . Regent

(Drilling Contractor or company)

Responsible agent of applicant:-

At well Garry A. Smith Contractor's Business Licence No. .

Address 500, 202 - 6th Ave. S.W. At registered office Garry A. Smith

Address 500, 202 - 6th Avenue S.W., Calgary, Alberta

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary this 1st day of March 19 73

Signed by . [Signature] . Company . Mesa Petroleum (Northern) Ltd.

Title . Operations Superintendent . Operator's Licence No. . 1963 (72-73) . 336 (73-74)

(For Oil and Mineral Division use only)

APPROVED

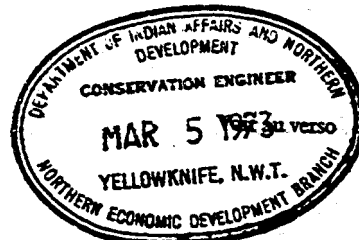
This application has been examined and approved subject to the following conditions:

Please see attached list of Conditions of Approval.

Dated . 7-MAR-73 . 19 . [Signature]

District Conservation Engineer

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





MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN
DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande d'autorisation de forage

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

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

Nom et n° du puits

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

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

N° de permis N° de concession Superficie
Détenteur de permis ou de licence, ou concessionnaire
N° de permis de prospection
Terres appartenant à la Couronne ou à
(Dans le cas de terres aliénées, donner le nom et l'adresse du propriétaire et de l'occupant)

Détenteur(s) des droits pétroliers et gaziers
Nous prévoyons utiliser les colonnes de tubage suivantes et de les cimenter ou de les sceller, tel qu'il est indiqué ci-dessous:—

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

Nappes d'eau, de gaz et de pétrole prévues et genre de matériel anti-éruption.
.....
.....

Le puits sera foré à l'aide de la tour rotary n° par
(Entrepreneur ou société de forage)

Agent responsable pour le requérant:— N° de permis de l'entrepreneur
Sur le chantier Au siège
Adresse Adresse
Il est entendu que, dans le cas de modifications indispensables, un avis sera soumis.
Datée — le 19.....
Signé par Société.....
Titre N° de licence de sondage de l'exécutant

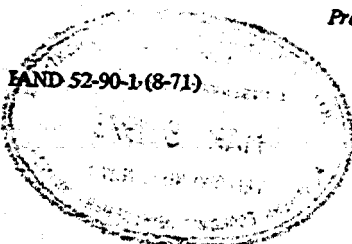
(À l'usage de la Division du pétrole et des minéraux)

APPROBATION

Demande étudiée et approuvée sous réserve des conditions suivantes:

.....
.....
Date 19.....

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



See Reverse

WELL Mesa Murphy CGOA Hanna Riv J-05

1. Copies of this Drilling Authority, Conditions of Approval and Daily Drilling Report Preparation Requirements card, shall be posted in a conspicuous manner in both the doghouse and drilling foreman's or engineer'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 that is attached for pertinent details.).
3. All shows of oil and gas are to be reported to the District Conservation Engineer immediately.
4. When a fatal accident occurs the District Conservation Engineer is to be notified immediately and drilling activities must cease. Operations must not recommence until permission is granted by the District Conservation Engineer.
5. All waste material on and around the wellsite area shall be disposed of in a manner that will prevent pollution to adjacent areas. Refuse shall be burned and the residue shall be buried with an adequate cover of earth.
6. Forward to this office two (2) field prints of all well logs, copies of Core Analysis and Fluid Analysis as soon as they are available.
7. Prior approval from a District Conservation Engineer is required for any changes to the approved Drilling Authority.
8. You are required to notify the Yellowknife Office twenty-four (24) hours before spudding.

R. L. Price.

DRILLING AND COMPLETION PROGRAM

WELL Mesa Murphy CGOA Hanna Riv. J-5 FIELD Wildcat

DATE March 1, 1973

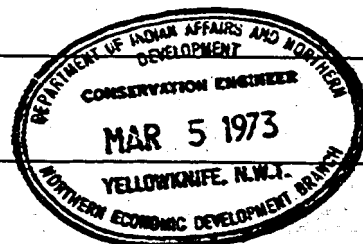
PROVINCE N.W.T.

LOCATION 65° 44' 30" N. Lat.

OP No. _____

128° 15' 30" W. Long.

LOGGING			GEOLOGICAL MARKERS		
TYPE	SCALE	INTERVAL	EST. ELEVATION: GR. +450 K.B. 464		
DILL	2" & 5"	TD to surf csg	MARKER	DEPTH	SUBSEA
FDC-GR-CNL-Cal	2" & 5"	TD to surf. csg.	Imperial Sh	0	+464
BHCS-GR-Cal	2" & 5"	TD to surf. csg.	Kee Scarp ls	1650	-1186
Remarks: Schlumberger logs			Hare Ind sh	1900	-1436
			Nahanni Headless		
			ls & sh	2120	-1656
			Bear Rock Dol	2950	-2486
			Ronning Dol	3000	-2536
			TD	3100	-2636
TYPE	SPECIAL TESTS	INTERVAL			
DST as requested by Wellsite geologist					
Remarks: Lynnes testing tools & services					
INTERVAL	DR. CUT. SAMPLES	FREQUENCY	INTERVAL	DRILLING TIME	FREQUENCY
surf. csg. to TD			0 - TD	10'	
			Geolograph		
Remarks: Two sets washed & dried. One set to Dept. of Indian Affairs & Northern Development - one set bottled for Mesa			TOTAL DEPTH: 3100		Prob. Compl. Interval: Ronning
			POSSIBLE PAY: -		
MUD: INTERVAL	TYPE	WEIGHT	VISCOSITY	W-L	OTHER SPECIFICATIONS
0 - 500'	Gel-Chem	8.6 - 9.0	As req'd	Sawdust & fibre seal	
500 - TD	Beneficiated				
	Gel-Chem	8.7 - 9.2	50 - 55	10 c.c. in pay	Maintain Annular velocity below 140'/min.
			80 for DST & logs		
Remarks: Magcobar materials - presently at rig site - Mile 641 McKenzie River					
CASING: INTERVAL	CSG. SIZE	BIT SIZE	CEMENT		DESCRIPTION OF LANDING POINT, ETC.
			Sacks	Type	
0 - 140'	13 3/8"	17 1/2	200 sx oilwell + 3% CaCl2		TD - WOC 18 hrs.
0 - 500'	9 5/8"	17 1/2	250 sx oilwell + 3% CaCl2		TD - WOC 18 hrs.
0 - TD	7"	8 3/4	As req'd by Cal. oilwell + 18% salt		Hang in tension 5' off bottom
CORING:					
COMPLETION: To be determined.					
GENERAL REMARKS:					

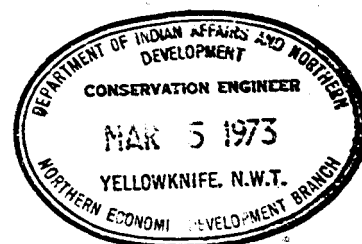


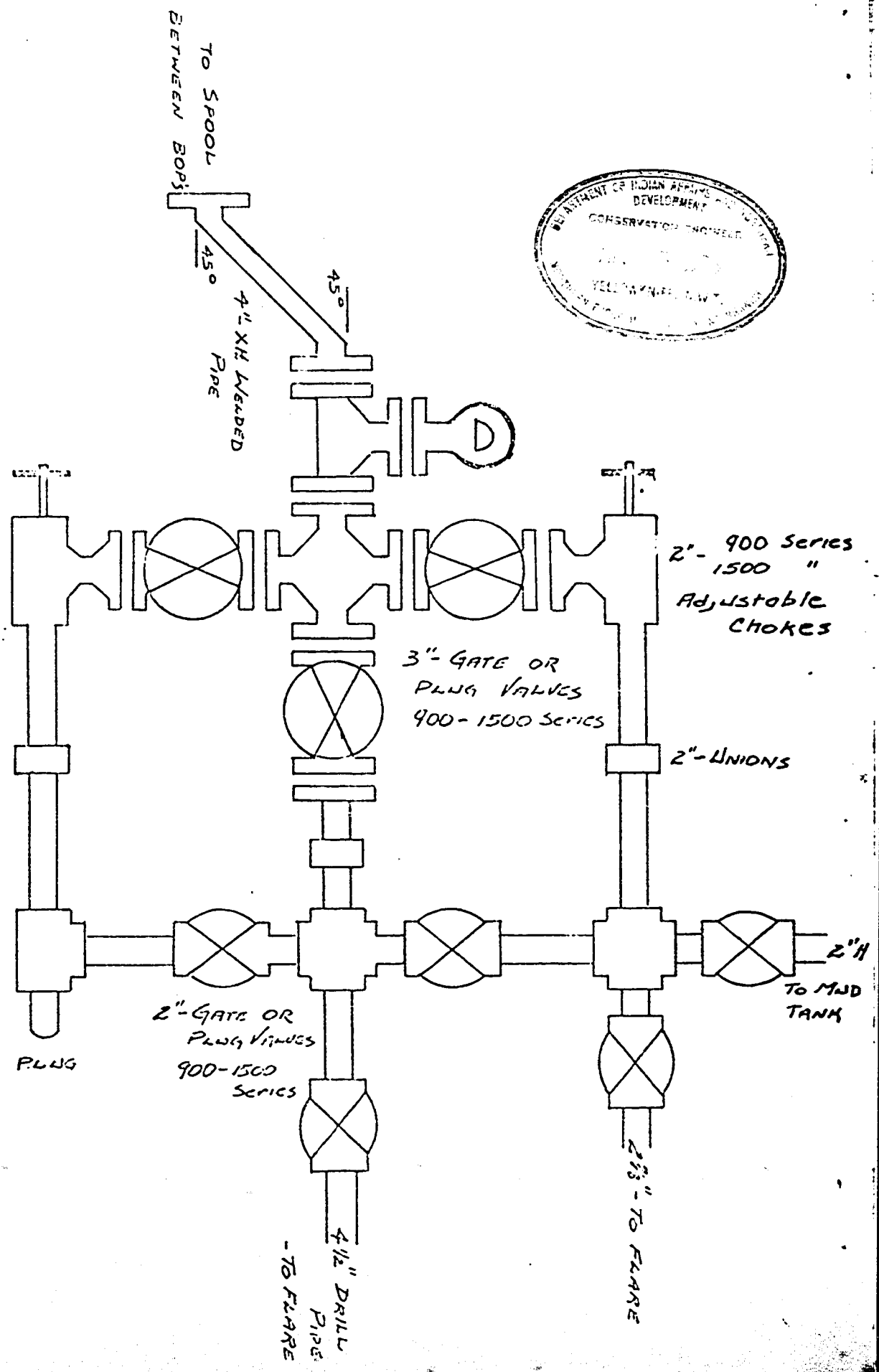
MESA PETROLEUM CO.

[Signature]

B.O.P. ARRANGEMENT

1. Both preventors to be hydraulically operated from an accumulator which will open and close hydril at least twice without recharging.
2. Equipment through which bit must pass must have at least as large ID as casing being drilled through.
3. Kill line and choke connections must be 3" or larger nominal diameter and must be interchangeable with fill line so that kill line can be connected to the standpipe by breaking a union on the fill line and connecting it to an interchangeable union on kill line. Kill line NOT to be used as fill line.
4. A kelly cock must be used on Kelly.
5. A drill pipe safety valve equivalent to Shaffer Model 55, or T.I.W. must be available on the rig floor with proper connections or subs to fit the string.
6. All equipment mentioned above must be 3,000# working pressure or stronger.
7. One 4" XH line, and one 3 inch or 2 7/8" tubing bleed off lines to be installed without additional or angular bends from the manifold to the flare pit and securely staked down. Manifold to be constructed with two adjustable choke, so gas or liquids can be diverted through either choke to the flare pit or mud tank, proper installation will allow repairs to one choke while another is in use.
8. A poor boy degasser to be constructed in the mud tank to accomodate bleed off line from the choke manifold.
9.
 - a. No screwed, nor screwed and welded, connections will be used upstream from the chokes or relief line valve.
 - b. No screwed, nor screwed and welded, connections will be used on or upstream from the check valve on the kill line.
 - c. No angular bend greater than 45°.
10. Manifold will be heated for winter operations.
11. Drill stem testing riser to tie into manifold.
12. Manifold to be 6" above rig matting.





SPLIT FLANGED
4" DRILLING NIPPLE
(TO HANDLE ROTATING
HEAD IF REQ'D)

HOLE
FILLING
LINE

900 - SERIES
1500
HYDRIL

TO
MANIFOLD

3" GATE OR PLUG

900 SERIES
1500 "
DOUBLE GATE

TO KILL LINE

3" GATE OR PLUG

TO
MANIFOLD
SWACO,

CAMERON

CHECK VALVE

PLUG OFF GATE VALVE
TO BE
SUPPLIED BY
OPERATOR.

GRABBER LEVEL

CONTRACTOR TO Supply
12" 3,000 # WP
GATE VALVE WITH NIPPLE

746-11-05-001



WELL HISTORY REPORT

MESA MURPHY CGOA HANNA RIVER J-05

65° 44' 30" North Latitude

128° 15' 30" West Longitude

By: W. Mackasey

per [Signature]



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WELL HISTORY REPORTSECTION 1 - SUMMARY OF WELL DATA

- (a) WELL NAME AND NUMBER
Mesa Murphy CGOA Hanna Riv J-05
- (b) PERMITTEE EXPLORATORY LICENSE NO.
Standard Oil Co. of British Columbia. 1501 (72-73); 2013 (73-74)
- (c) NAME OF OPERATOR
Mesa Petroleum (Northern) Ltd.,
- (d) LOCATION
Unit J, Section 05, Grid: 65-50-128-15
Latitude: 65° 44' 30" N; Longitude: 128° 15' 30" W
Unique Well Identifier: 300J056550128150
Universal Well Location Reference - Lat. 65. 74167° N
Long. 128. 25833° W
- (e) PERMIT NUMBER
3477
- (f) DRILLING CONTRACTOR
Regent Drilling Ltd. Rig No. 11 (Rotary)
- (g) DRILLING AUTHORITY
No. 686 Date Issued March 7th, 1973
- (h) CLASSIFICATION
Exploratory
- (i) ELEVATION
Grd. Elevation: 401' K.B. Elevation: 415'
- (j) DATE SPUDDED
March 17th, 1973 at 7:00 p.m.

- (k) DATE COMPLETED DRILLING
March 30th, 1973
- (l) TOTAL DEPTH AND PLUGGED BACK TOTAL DEPTH
TD 3230' PBTD _____
- (m) WELL STATUS
Dry and abandoned.
- (n) DATE RIG RELEASED
April 4th, 1973 at 10:00 p.m.
- (o) HOLE SIZE
12½" from surface to 510'
8 3/4" from 510' to 3230' TD
- (p) CASING
Surface
- (q) CEMENTING COMPANY
Dowell
- (r) MUD COMPANY
Nil
- (s) MUD LOGGING COMPANY
Nil
- (t) LOGGING COMPANY
Schlumberger Canada Ltd.
- (u) DRILLING SUPERVISOR
E.Hicks and K. Babb
- (v) GEOLOGIST
W..Mackasey

SECTION II - GEOLOGICAL SUMMARY(a) FORMATION TOPS

K. B. 415'

<u>FORMATION</u>	<u>E-LOG DEPTH</u>	<u>SUB-SEA DEPTH</u>	<u>SAMPLE DEPTH</u>
Cretaceous	-	-	-
<u>Middle Devonian</u>			
Kee Scarp	823	-408	N.S.
Here Indian	1030	-615	N.S.
Nahanni	1605	-1190	N.S.
Headless	1824	-1409	N.S.
Bear Rock	1917	-1502	N.S.
Ronning	2703	-2288	N.S.
 TOTAL DEPTH	 3216'	 3230'	

(b) CORED INTERVALS

No core obtained

(c) CORE DESCRIPTIONS

Nil

(d) SAMPLE DESCRIPTIONS

- 0 - 10 SHALE: dark grey - black, slightly calcareous, arenaceous, micaceous
- 10-30 SHALE: dark grey - black, slightly calcareous, arenaceous, micaceous soft.
- 30 - 40 SILTSTONE: grey - dark grey micaceous, slightly calcareous, argillaceous, and Shale: as above; trace of Limestone: chocolate brown, cryptogranular
- 40 - 50 SILTSTONE: as above, trace of Shale: as above
- 50 - 60 SILTSTONE: grey - brown, micaceous, argillaceous in part, minor amounts of Shale: black, micromicaceous, arenaceous, trace of Limestone: grey brown, cryptogranular.
- 60 - 80 SHALE: black, micro-micaceous, calcareous; and siltstone: grey, micaceous, argillaceous, soft, calcareous.
- 80 - 100 SHALE: grey - black, very arenaceous, soft, very fine laminae of Siltstone: grey
- 100 - 120 SHALE: dark grey - black, calcareous, very arenaceous soft.
- 120 - 130 SHALE: as above with minor amounts of Siltstone: brown - buff; trace of Quartz granules.
- 130 - 160 SHALE: dark grey - black, calcareous, arenaceous, soft.
- 160 - 180 SHALE: as above; trace of Siltstone; brown micro-micaceous, carbonaceous inclusions; trace of Ironstone.
- 180 - 190 SHALE: black, calcareous, soft, arenaceous, micro-micaceous.
- 190 - 200 SHALE: dark grey - black, calcareous, very arenaceous, very fine laminae of Siltstone: grey; minor amounts of siltstone; grey, calcareous, micaceous, very argillaceous, minor amounts of Mudstone: chocolate brown, dolomitic.

- 200 - 260 SILTSTONE: grey, very argillaceous, calcareous, glauconitic, micaceous.
- 260 - 270 SHALE: black, carbonaceous, slightly arenaceous, micaceous; rare trace of Siltstone: as above.
- 270 - 280 SHALE: as above; and Siltstone: grey, very argillaceous, calcareous, glauconitic, micaceous; rare trace of Ironstone.
- 280 - 310 SHALE: black, carbonaceous, arenaceous, micaceous, slightly calcareous.
- 310 - 340 SHALE: black, carbonaceous, slightly arenaceous, micro-micaceous.
- 340 - 350 SHALE: as above with trace of Siltstone: grey, argillaceous, glauconitic, micaceous.
- 350 - 400 SHALE: as above; and Siltstone: as above.
- 400 - 410 SHALE: as above; and Siltstone: as above.
- 410 - 440 SHALE: black, carbonaceous, calcareous, slightly arenaceous, micaceous.
- 440 - 500 SHALE: dark grey, slightly calcareous, micro-micaceous; minor amounts of Shale: black, carbonaceous.
- 500 - 510 SHALE: black, carbonaceous, very arenaceous, micaceous, calcareous.
- 510 - 540 SHALE: as above (very poor samples).
- 540 - 590 SHALE: dark grey - black, slightly calcareous, micro-micaceous.
- 590 - 610 SHALE: dark grey - black, slightly calcareous, micro-micaceous; and Sandstone: grey, quartzose, very fine grained, slightly siliceous, slightly glauconitic, slightly argillaceous, slightly carbonaceous, calcareous, tight.
- 610 - 620 SHALE: black, carbonaceous, micaceous, arenaceous in part.
- 620 - 630 SANDSTONE: grey, quartzose, very fine grained, slightly argillaceous in part, glauconitic, calcareous, tight.

- 630 - 640 SANDSTONE: clear, quartzose, fine grained, medium grained, trace of glauconite pybit residue ??, friable, sub angular, good porosity, no staining; minor amounts of Sandstone: as above.
- 640 - 650 SANDSTONE: clear, clean, quartzose, medium to coarse grain, friable, sub angular, good porosity, no staining, occasional very thin laminae of black carbonaceous shale; trace of Claystone: brown, calcareous; trace of Shale: brown - black, calcareous.
- 650 - 660 SHALE: black, carbonaceous, micro-micaceous; trace of Shale: brown, arenaceous.
- 660 - 670 SHALE: black, carbonaceous, micro-micaceous.
- 670 - 680 SHALE: black, carbonaceous, micro-micaceous, arenaceous; and Siltstone: brown, carbonaceous stringers; rare pieces of Coal.
- 680 - 690 SHALE: black, very carbonaceous, grading possibly to Coal; trace of Siltstone: brown, stringers of black carbonaceous matter.
- 690 - 700 SILTSTONE: brown, carbonaceous stringers in part; minor amounts of Shale: dark grey - black, carbonaceous.
- 700 - 720 SANDSTONE: light buff, quartzose, very fine - fine grained, sub angular, friable, fair to good porosity, light spotty staining, minor interbeds of Shale: black, carbonaceous.
- 720 - 730 SAND: clear, quartzose, medium grained, unconsolidated, excellent porosity, sub rounded, staining ?; and Shale: black, carbonaceous.
- 730 - 740 SAND: as above; trace of Shale: black, carbonaceous; rare trace of Kaolin.
- 740 - 750 SAND: as above; and Shale: black, carbonaceous.
- 750 - 760 SAND: as above.
- 760 - 790 SAND: as above with trace of Shale: black, carbonaceous.
- 790 - 810 SAND: as above.
- 810 - 820 SAND: as above and Shale: black, carbonaceous.

820 - 3230 (T.D.) No samples; lost circulation, attempted to regain circulation and failed. Drilled ahead blind to total depth.

(e) PALEONTOLOGICAL DETERMINATIONS

None

SECTION III - ENGINEERING SUMMARY(a) DRILL STEM TEST RECORDDRILL STEM TEST #1 (1940 - 2133) in the Bear Rock

Duration: PF 5 mins ISI 60 mins
 VO 90 mins. FSI 60 mins.

Blow: On PF - Weak air blow

On VO - WAB on V.O. increasing to strong
 after 45 mins. Steady to end of
 test.

Recovery: 450' slightly oil flecked Salt Water
 360' Salt Water

Pressures: IHP 825 IFP 60 ISIP 704
 FHP 809 FFP 331 FSIP 752

Remarks: - - -

DRILL STEM TEST #2 (630 - 653) in Cretaceous Sand

Duration: PF 5 mins. ISI 60 mins.
 VO 60 mins. FSI 60 mins.

Blow: On PF - Weak air blow

On VO - Weak air blow increasing to
 strong for 30 mins., decreasing to
 weak at end of V.O.

Recovery: 60' of oil cut fresh water (2 - 3% oil;
 25 - 30° A.P.I.)

Pressures: IHP 237 IFP 20 ISIP 36
 FHP 229 FFP 20 FSIP 28

DRILL STEM TEST #3 (2700 - 3230) in the Ronning

Duration: PF 15 mins. ISI 60 mins
 VO 60 mins. FSI 60 mins.

Blow: On PF: S.A.B.

On VO: S.A.B. Increased for 45 mins.
 and then died.

Recovery: 3053' Salt Water

Pressures: IHP 1155 IFP 1010 ISIP 1122
 FHP 1122 FFP 1106 FSIP 1122

DRILL STEM TEST #4 (810 - 850) in the Kee Scarp.

Duration: PF 5 mins. ISI 60 mins.
 VO 60 mins. FSI 60 mins.

Blow: On PF S.A.B.

On VO S.A.B. Decreasing to weak
 at end of VO.

Recovery: 600' of fresh water

Pressures: IHP 334 IFP 172 ISIP 317
 FHP 326 FFP 301 FSIP 326

FOV.

AREA

NAME Mesa Murphy CGOA Hanna Riv. J-05

Lrd. Sec. Twp. Rco. W.

Operator Mesa

Contractor Regent #11

Co-ord. Grd. 401 K.B. 415'

Spud March 17/73 R.R. April 4/73 Comp.

OIL ☐ GAS ☐ D & A ☒ SUSP. ☐

F.T.D. 3230' in Prod. Zone

Flowing ☐ Pumping ☐

P.B.D. in I.P.

M.C.F./D.

B.O.P.D.

Choke

Test

MARKERS	SAMPLE	E LOG	SUB-SEA	% B.S. & W.	% Wtr.	Gravity	*A.P.I.
				G.O.R.	Gross Pay	Net Pay	
Kee Scarp		815'		Casing Pressure	p.s.i.	Tubing Pressure	p.s.i.
Hare Indian		1034		Cased Intervals		Gas/Oil	
Nahanni		1606		to	to	Oil/Water	
Headless		1827		to	to	Gas/Water	
Bear Rock		1917		to	to	Casing	Depth
Ronning		2704		to	to	9.5/8"	509' KB 300' sx
				to	to		
				to	to		
				to	to		

DRILL STEM TESTS

No.	Interval	V.O.	S.I.	Results
1	1940 - 2133'	90	60	Prefl. 5, ISI 60, VO 90, FSI 60 WAB on prefl. WAB on VO incr. to strong after 45 min. Steady to end of test. Rec'd 450' slightly oil flecked s.w., 360' of s.w IF 60, ISI 704, IH 825 FF 331, FSI 752, FH 809
2	630 - 653	60	60	Prefl. 5, ISI 60, VO 60, FSI 60 WAB on prefl. WAB on VO incr. to strong for 30 min. Decr. to weak at end of VO. Rec'd 60' of oil cut fresh wtr. 2 - 3% oil, 25 - 30° API. Prefl. 12 psi IF 20, ISI 36, IHP 237 FF 20, FSI 28, FHP 229
3	2700 - TD	60	60	Prefl. 15, ISI 60, VO 60, FSI 60 SAB on prefl. SAB incr. for 45 min and then died. Rec'd 3063' s.w. IH 1155, ISI 1122, IF 1010 FH 1122, FSI 1122, FF 1106, Prefl. 494 BHT 68° F
4	810 - 850	60	60	Prefl. 5, ISI 60, VO 60, FSI 60 SAB decr. to weak at end of flow period. Rec'd 600' of fresh wtr. Prefl. 28, ISI 317, IF 172, IH 334 FSI 326, FF 301, FH 326

Ran DILL, FDC-GR-Cal & SNP

Date	Status	Date	Status	Date	Status

☐ Core An. ☐ Wtr. An. ☐ E Log ☐ M. Log ☐ MLL ☐ G.R.N. ☐ L Log ☐ G. Ring ☐ V. Survey ☐ Strat. S.

ADDITIONAL WELL HISTORY

NAME		Mesa Murphy CGOA Hanna Riv. J-05						
OPERATOR		CONTRACTOR		LSD.	SEC.	TWP.	RGE.	W.
				CO-ORDS.		GRD.		K. B.
March 23/73	TD 699', Drlg., prog. 189'							
	Bit #1, 8 3/4" M4NJ, 72' - 2 hrs.							
	Bit #2, 8 3/4" S88, 117' - 6 hrs. running							
	Mud: Wt. 8.9, Vis 38							
	Surveys: 520' - 1/2 dgr., 582' - 1/2 dgr.,							
March 24/73	TD 938', Drlg., prog. 239							
	Bit #2, 8 3/4" S88, 246' - 10 3/4 hrs..							
	Bit #3, XDV, 110' - 7 1/2 hrs., running							
	Surveys: 790' - 1 dgr.							
March 25/73	TD 1280', Drlg. prog. 342'							
	Bit #3, 8 3/4" XDV, 157' - 11 1/2 hrs.,							
	Bit #2RR, 8 3/4", S-88, 295' - 16 hrs.							
	Surveys: 950' - 1 1/2 dgr.,							
March 26/73	TD 1660', Drlg., prog. 380'							
	Bit #2, 8 3/4" S88, 874' - 34 3/4 hrs..							
	Bit #3, S88, 47' - 3 hrs. running							
	Surveys: 1613' - 1 dgr.,							
March 27/73	TD 2093', Drlg., prog. 433'							
	Bit #4, 8 3/4" S88, 480 - 26 1/2 hrs. running							
March 28/73	TD 2528', Drlg., prog. 435'							
	Bit #4, 8 3/4" S88, 915' - 48 1/2 hrs., running							
	Surveys: 2120' - 1 dgr., 2492' - 1 1/8 dgr.,							
	Drilling without circ. No tops available.							
March 29/73	TD 2814', Drlg., prog. 286'							
	Bit #4, 8 3/4" S88, 1010' - 54 1/2 hrs.,							
	Bit #5, 8 3/4" S88, 191' - 9 3/4 hrs running							
	Mud is wtr.							
	Surveys: 2623' - 1 dgr.,							
March 30/73	TD 3230', Tripping, prog. 416'							
	Bit #5, 8 3/4" S88, 607' - 31 1/2 hrs.,							
	Mud is wtr.							
	Surveys: 3120' - 7/8 dgr.,							
March 31/73	TD 3230', WO logging units							
	Cond. hole							
April 1/73	TD 3230', logging							
	Ran DILL, FDC-GR-Cal & SNP from TD - surf. csg.							
	Tops: Kee Scarp 823 -408							
	Hare Ind. 1030 -615							
	Nahanni 1605 -1190							
	Headless 1824 -1409							
	Bear Rock 1916 -1501							
	Ronning 2703 -2288							
	Corrected KB 415'							

April 2/73 TD 3230', Running DST #2
DST #1, 1940 - 2133', Bear Rock
Prefl. 5, ISI 60, VO 90, FSI 60
WAB on prefl. WAB on VO incr. to strong after 45 min Steady to end of test
Rec'd 450' slightly oil flecked s.w
360' of s.w.
IF 60, ISI 704, IH 825
FF 331, FSI 752, FH 809
DST #2, 630 - 653, Cret. sand
Prefl. 5, ISI 60, VO 60
running final SI WAB incr on prefl.
WAB on VO incr. to strong for 30 min. Decr. to weak at end of VO

April 3/73 TD 3230'
DST #2, 630 - 653'KB, U. Cret. Sand
Prefl. 5, ISI 60, VO 60, FSI 60
WAB on prefl. WAB on VO incr. to strong for 30 min.
Decr to weak at end of VO. Rec'd 60' of oil cut fresh wtr.
2 - 3% oil. 25 - 30° API
Prefl 12 psi
IF 20, ISI 36, IHP 237
FF 20, FSI 28, FHP 229
DST #3, 2700 - TD, Ronning Dolomite
Prefl. 15, ISI 60, VO 60, FSI 60
SAB on prefl. SAB incr. for 45 min & then died.
Rec'd 3063' s.w.
IH 1155, ISI 1122, IF 1010
FH 1122, FSI 1122, FF 1106, Prefl. 494, BHT 68°F.
DST #4, 810 - 850, Kee Scarp
Prefl. 5, ISI 60, VO 60, FSI 60,
SAB decr. to weak at end of flow period.

April 4/73 TD 3230', WOC plug #4,
DST #4, 810 - 850', Kee Scarp
Prefl. 5, ISI 60, VO 60, FSI 60
SAB decr. to weak at end of flow period.
Rec'd 600' of fresh wtr.
Prefl. 28, ISI 317, IF 172, IH 334
FSI 326, FF 301, FH 326
Plug #1, TD - 3130 w/55 sx
PIP @ 6:05 p.m. April 3/73
Plug #2, 1966 - 1966 w/75 sx
PIP @ 6:55 p.m.
Felt @ 1836' KB
Plug #3, 585 - 430' KB w/96 sx
PIP @ 4:15 a.m. April 4/73.

April 5/73 TD 3230'
Felt Plug #3, @ 464'KB
Rig Rel 10:00 p.m. April 4/73
Final report

[Handwritten Signature]
[Handwritten Signature]

10.

(b) CASING RECORD

Casing Size (inches)	9-5/8"
Weight (lbs/ft)	40#
Grade	J-55
Brand	LT & C
New or Used	New
Depth	508.97' K.B.
Sacks of Cement	300 sacks plus 2% CaCl_2 6 barrels returns.

(c)

BIT RECORD

<u>BIT NO.</u>	<u>MAKE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SERIAL NUMBER</u>	<u>DEPTH OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>	<u>ACCUMULATED HOURS</u>	<u>CONDITION</u> <u>T</u> <u>B</u> <u>G</u>
1A	Smith	12-1/4	DGHJ	MB668	510	510	40-1/2	---	3 3 1
1	Security	8-3/4	M4NGJ	337586	582	72	2	2	6 4 1
2	Security	8-3/4	S 88	913626	828	246	10-3/4	12-3/4	2 1 1
3	Hughes	8-3/4	XDV	49200	985	157	11-1/4	24	3 2 1
2 RR	Security	8-3/4	S 88	913626	1613	628	31-1/2	55-1/2	6 6 2
4	Security	8-3/4	S 88	913607	2623	1010	54-1/2	110	1 2 1
5	Security	8-3/4	S 88	913116	3230	607	31-3/4	141-3/4	6 6 1

(d)

MUD RECORDADDITIVES

March 20, 1973	Gel: 800#, Plaster: 100#
March 21 and 22	Nil
March 23	Gel: 4000#, Caustic: 100#
March 24	Gel: 3500#, Caustic: 150# Plaster: 1500 #, Sawdust: 150 bags.
March 25	Water
March 26	Caustic: 200#
March 27	Caustic: 150#
March 28	Nil
March 29	Caustic: 150#
March 30	Caustic: 150#
Total Additives	Gel: 8300# Plaster: 1600# Caustic: 900# Sawdust: 150 bags

(e)

DEVIATION SURVEY REPORT

<u>DEPTH</u> <u>(Feet)</u>	<u>DEVIATION</u> <u>(°)</u>
64	3/4
93	1
120	3/4
180	3/4
240	3/4
300	3/4
350	1-1/2
380	1
415	1/2
471	3/4
510	1/2
520	1/2
582	1/4
790	1
950	1-1/4
1290	1-1/8
1613	1
2120	1
2492	1-1/8
2623	1
3120	7/8

(e)

DEVIATION SURVEY REPORT

<u>DEPTH</u> <u>(Feet)</u>	<u>DEVIATION</u> <u>(°)</u>
64	3/4
93	1
120	3/4
180	3/4
240	3/4
300	3/4
350	1-1/2
380	1
415	1/2
471	3/4
510	1/2
520	1/2
582	1/4
790	1
950	1-1/4
1290	1-1/8
1613	1
2120	1
2492	1-1/8
2623	1
3120	7/8

(f)

ABANDONMENT PLUGS

<u>Plug No.</u>	<u>Position</u>	<u>No. of Sacks of Cement</u>	<u>Remarks</u>
1	T.D. 3130'	55	P.I.P. at 6:05 p.m. April 3rd.
2	1966 - 1866	75	P.I.P. at 6:55 p.m. April 3rd Felt at 1836'
3	585 - 430	96	P.I.P. at 4:15 a.m. April 4th. Felt Plug at 464'

Cut off casing and welded on steel plate.

(g)

LOST CIRCULATION ZONESLost Circulation Zone #1

Depth 826'
Interval Not Known
Formation Cretaceous Sand - Kee Scarp
Zone --

Amount of Material Lost - 35 barrels

Corrective Measures Taken

Mixed 100 barrels consisting of 3500# Gel; 150# Caustic;
1500# Plaster, 150 bags Sawdust and pumped mixture down
hole. No returns. Drilled blind with water.

(h)

REPORT OF BLOWOUTS

Nil



CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS



File 7021-3569 Page 1 of 2

Company Mesa Petroleum (N.A.) Co.Well Mesa Murphy CGOA Hanna Riv J-05 K.B. _____ Grd. 450'
65 44'30.00 N.L.Location 128 15'30.00 W.L. Field Hanna River Province N.W.T.Formation Bear Rock Interval 1940' - 2133'Sampled from DST #1 (Top of Tool) by R. SandDate sampled April 1/73 Date analysed April 6/73 Analyst L. KinsellaRecovery 810' Liquid.

Mud type _____ Water cushion _____

Total Solids:

Resistivity 0.500 Ohm-meters @ 69 of _____
Calculated 14,721 mg/literSpecific gravity 1.0103 @ 60°F _____
By evaporation @ 110°C - mg/literpH 7.7 H₂S Absent _____
By evaporation @ 180°C - mg/literRefractive Index 1.3345 @ 75°F _____
At ignition - mg/liter

MILLIGRAMS PER LITER

Na+K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
4161	903	203	Trace	Abs.	-	-	6588	600	2266	0	0

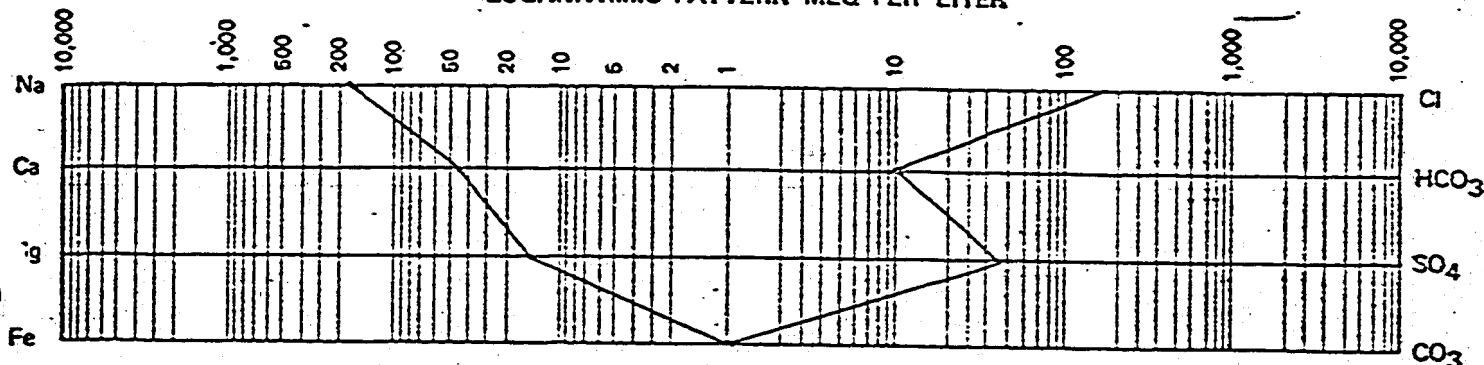
PER CENT CALCULATED SOLIDS

28.3	6.1	1.4	Trace	Abs.	-	-	44.8	4.1	15.4	.0	.0
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MEQ PER LITER

180.9	45.1	16.7	Trace	Abs.	-	-	185.8	9.8	47.1	.0	.0
-------	------	------	-------	------	---	---	-------	-----	------	----	----

LOGARITHMIC PATTERN MEQ PER LITER



13308. 4161.0



CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS



File 7021-3569 Page 2 of 2

Company Mesa Petroleum (N.A.) Co.Well Mesa Murphy CGOA Hanna Riv J-05 K.B. Grd. 450'Location 65 44'30.00 N.L.
128 15'30.00 W.L. Field Hanna River Province N.W.T.Formation Kee Scarp Interval 630' - 653'Sampled from DST #2 (Top of Tool) by R. SandDate sampled April 2/73 Date analysed April 6/73 Analyst L. KinsellaRecovery 60' Liquid.Mud type Water cushion

Total Solids:

Resistivity 3.68 Ohm-meters @ 68 of Calculated 1,826 mg/literSpecific gravity 1.0014 @ 60°F By evaporation @ 110°C - mg/literpH 7.5 H₂S Absent By evaporation @ 180°C - mg/literRefractive Index 1.3320 @ 75°F At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
483	132	24	Trace	Abs.	-	-	744	151	292	0	0

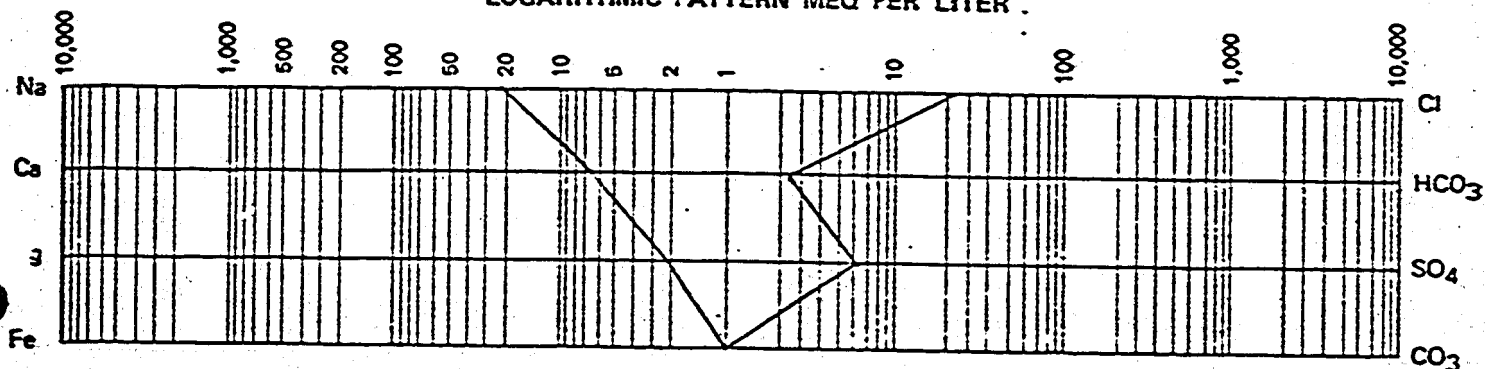
PER CENT CALCULATED SOLIDS

26.5	7.2	1.3	Trace	Abs.	-	-	40.7	8.3	16.0	.0	.0
------	-----	-----	-------	------	---	---	------	-----	------	----	----

MEQ PER LITER

21.0	6.6	2.0	Trace	Abs.	-	-	21.0	2.5	6.1	.0	.0
------	-----	-----	-------	------	---	---	------	-----	-----	----	----

LOGARITHMIC PATTERN MEQ PER LITER



1587. 483.0

SECTIONS IV - LOGS

<u>TYPE OF LOG</u>	<u>FROM</u>	<u>TO</u>
Dual Induction - Laterlog	3210	508
Compensated Formation Density	3214	508
Side Wall Neutron Porosity	3213	507

SECTION V - ANALYSIS(a) CORE ANALYSIS

Nil

(b) WATER ANALYSIS

File No. 7021-3569 Core Lab. DST #1 dated April 1, 1973 and DST #2 dated April 2, 1973.

(c) GAS ANALYSIS

Nil

(d) OIL ANALYSIS

Nil

SECTION VI - COMPLETION SUMMARY(a) TUBING RECORD

Nil

(b) PERFORATION RECORD

Nil

(c) CEMENTATION RECORD

Nil

(d) ACIDIZATION AND FRACTURING RECORD

Nil

(e) BACK PRESSURE AND PRODUCTION TESTS

NIL

DAILY PROGRESS REPORTSECTION VIITO 8:00 a.m. DailyMarch 18th, 1973

Depth: 93' Progress: 93' in -- hours.
Days: 1
Operation: Drilling
Mud: Wt. 9.0; Visc. 80;
Remarks: Spudded at 7:00 p.m. March 17th, 1973

March 19th, 1973

Depth: 312' Progress: 221' in -- hours.
Days: 2
Operation: W.O.P.
Mud: Wt. 9.1; Visc. 69
Remarks: ---

March 20th, 1973

Depth: 510' Progress: 196' in 12-1/4 hours.
Days: 3
Operation: Rig to run 9-5/8" casing
Mud: Wt. 10.5; Visc. 88; W.L. --
Rig Time: Drill: 12-1/4; Trips 5-3/4; Survey 1-1/2;
R.S. 1/2; Handle Tools 1/2; Repairs 3;
Cond. Hole 1/2.
Remarks: ---

March 21st, 1973

Depth: 510' Progress: 0
 Days: 4
 Operation: W.O.C.
 Mud: - - -
 Rig Time: Run Csg: 10-1/2; W.O.C. 13-1/2.
 Remarks: Ran 13 jts., 9-5/8" surface casing (see casing report).

March 22nd, 1973

Depth: 510' Progress: 0
 Days: 5
 Operation: Prepare to drill out
 Mud: Nil
 Rig Time: Cut off csg., weld on bowl, change pump liners: 12;
 Check for size 1; Nipple up 4-1/2; Drill mouse
 hole 5-1/2; Pressure test 1.
 Remarks: --

March 23rd, 1973

Depth: 699' Progress: 189' in 8-1/2 hours.
 Days: 6
 Operation: Drilling
 Mud: Wt. 8.9; Visc. 38
 Rig Time: Trips: 5-1/2, Drill 8-1/2; Survey 1/2; Drill
 out 5-1/2; Clean tanks 1/2; Pressure test 3-1/2.
 Remarks: --

March 24th, 1973

Depth: 938' Progress: 239' in 12-1/4 hours.
Days: 7
Operation: Drilling
Mud: Water
Rig Time: Trip: 1; Drill 12-1/4; R.S. 1/4; Surveys 1/4;
Circ. 1/4; Mix mud 6; Wait on water 4.
Remarks: Lost circulation at 826' in unconsolidated
Cretaceous sand (see lost circulation report).

March 25th, 1973

Depth: 1280' Progress: 342' in 19-3/4 hours.
Days: 8
Operation: Drilling
Mud: Water
Rig Time: Trips: 2-1/4; Drill 19-3/4; R.S. 1/2; Survey 1/2;
Wait on water 3/4; Stuck work pipe 1/4.
Remarks: Drilling ahead blind in Imperial Formation (?)

March 26th, 1973

Depth: 1660' Progress: 380' in 18-1/2 hours.
Days: 9
Operation: Drilling blind
Mud: Water
Rig Time: Drill: 18-1/2; Trips 3; Survey 1/2; R.S. 1;
Wait on water 1.
Remarks: --

March 27th, 1973

Depth: 2093' Progress: 433' in 23-1/4 hours.
Days: 10
Operation: Drilling blind
Mud: Water
Rig Time: Drill: 23-1/4; R.S. 1/2; W.O. Water 1/4.
Remarks: --

March 28th, 1973

Depth: 2528' Progress: 435' in 22-1/4 hours.
Days: 11
Operation: Drilling
Mud: Water
Rig Time: Drill: 22-1/4; Survey 1/2; R.S. 3/4; Wait
on water 1/2.
Remarks: --

March 29th, 1973

Depth: 2814' Progress: 286' in 15-3/4 hours.
Days: 12
Operation: Drilling
Mud: Water
Rig Time: Drill: 15-3/4; Trips 7-1/2; Survey 1/4;
R.S. 1/2.
Remarks: --

March 30th, 1973

Depth: 3230' Progress: 416' in 22 hours.
Days: 13
Operation: Pulling Out
Mud: Water
Rig Time: Drill: 22; Survey 1/2; R.S. 3/4; Cond.
hole 1/2; W.O. water 1/4.
Remarks: Total Depth: 3230'

March 31st, 1973

Depth: 3230' (T.D.) Progress: 0
Days: 14
Operation: Waiting on Logging Unit
Mud: Water
Rig Time: Trip: 9; R.S. 1/4; Repairs 1/4; Cond.
hole 2-3/4; W.O. Logging Unit 11-3/4.
Remarks: --

April 1st, 1973

Depth: 3230' (T.D.)
Days: 15
Operation: Logging
Remarks: Ran Dill, FDC-GR-Cal and SNP from TD - Csg.

April 2nd, 1973

Depth: 3230' (T.D.)
Days: 16
Operation: Running D.S.T. #2

April 3rd, 1973

Depth: 3230' (T.D.)
Days: 17
Operation: Running D.S.T. #4

April 4th, 1973

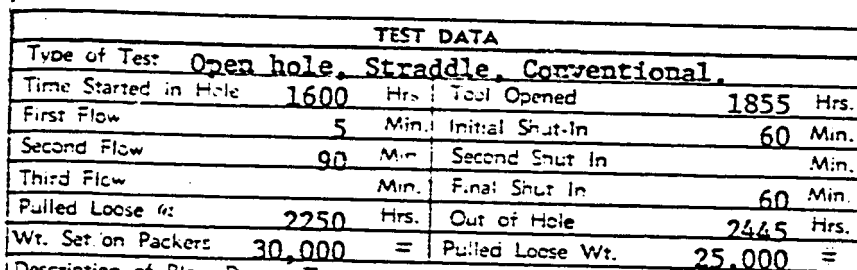
Depth: 3230' (T.D.)
Days: 18
Operation: W.O.C. (Plug #4)

April 5th, 1973

Depth: 3230' (T.D.)
Days: 19
Operation: Dry and Abandoned
Remarks: Rig released at 10:00 p.m. April 4th, 1973.

DST #1
Bear Rock
1940 - 2133

321 50th AVENUE SE CALGARY, ALBERTA T2C 2B3



Tool	Length	O.D.
P.O. Sub	1.00	
Sub	1.00	
MFE Tool	9.10	
Bypass Tool	3.55	
Jars	11.00	
Safety Joint	1.75	
S.S. & Packer	8.50	7 3/4"
T.C. & Packer	5.40	7 3/4"
Total	41.30	

Stub	1.00	
Perf	5.00	
Recorder	6.00	
Perf	2.00	
Recorder	6.00	
Perf	5.00	
Sub	1.00	
Drill Collars	163.90	
Travel Collar	2.00	
Total Interval	191.90	

Packer	3.40	7 3/4"
T.C. & Packer	5.40	7 3/4"
Blank Off Sub	1.00	
Recorder	4.40	
Perfs	26.00	
Drill Pipe	1054.26	
B.N. & Perf	3.00	
Total Below Inty.	1097.46	

MUD AND HOLE DATA

Contractor Regent Drig. Rig No. 11

Drill Pipe Size 4 1/2" FH

Drill Collar Size 4 1/2" H90 &

Drill Collar Length	&
---------------------	---

Main Hole Size	8 3/4"	Rat Hole
----------------	--------	----------

District	Inuvik	Ticket No.	D08751	Date	April
----------	--------	------------	--------	------	-------

Company	Mesa Petroleum (N.A.) Co.	Address	500 B
---------	---------------------------	---------	-------

Well Name	Mesa Murphy CGOA Hanna Riv J-05	500 B
		Calga

Number 65°44'N 128°15'W Field Hanna

Formation	Bear Rock	Thickness	Co. Rep.	E. H.
-----------	-----------	-----------	----------	-------

Interval	1940 - 2133	T.D.	3230'	Technician	B. Sa
Description					

Distribution of Reports 6 - Calgary Attention: G.A. Smith

April 1, 1973 Test No. 1 J.T. No. 1

500 Bow Valley Square, 202 - 6th Ave. S.W.

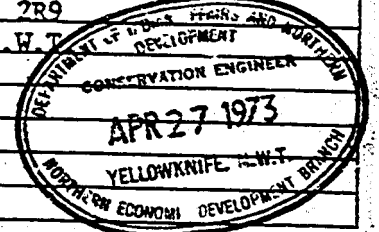
Calgary, Alberta T2P 2R9

Hanna River Province N.W.T. DEPARTMENT OF LANDS, MINES AND NORTH

E. Hicks

R. Sand

A. Smith



JOHNSTON TESTERS

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108751

PRESSURE DATA

FLUID SAMPLE REPORT

WELL IDENTIFICATION No.	AK1-2074	AK1-2526	AK1-2101	Sample No.	
WELL CITY (psig)	3200	3200	4050	Type	
WELL DEPTH FT.	1946	1954	2143	Depth	
WELL OPENING	Outside	Outside	Outside	Volume	
WELL TEMP. °F.	68				
WELL HYDROSTATIC	A	833#		Sample Pressure:	
WELL FLOW	B	33#			psig. at Surface
	B-1	66#		Gravity	API @ °F
WELL SHUT-IN	C	820#		Gas-Oil Ratio	Cu.Ft., bbl.
WELL FLOW	D	88#	Clock		
	D-1	378#	stopped	Recovery:	
WELL SHUT-IN	E				Cu. Ft. Gas
WELL FLOW	F				cc. Oil
	F-1				cc. Water
WELL SHUT-IN	G	789#			cc. Mud
WELL HYDROSTATIC	H	827#		Total Liquid cc.	

MARKS:

No prints made on recorders #AKI-2526 and #AKI-2101. Initial shut-in disturbed after 20 minutes of shut-in, only used that portion.

PRESSURE INCREMENTS ON RECORDER #

[illegible]

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A DIVISION OF SCHLUMBERGER CANADA LIMITED
321 50th AVENUE SE CALGARY, ALBERTA T2G 2B3

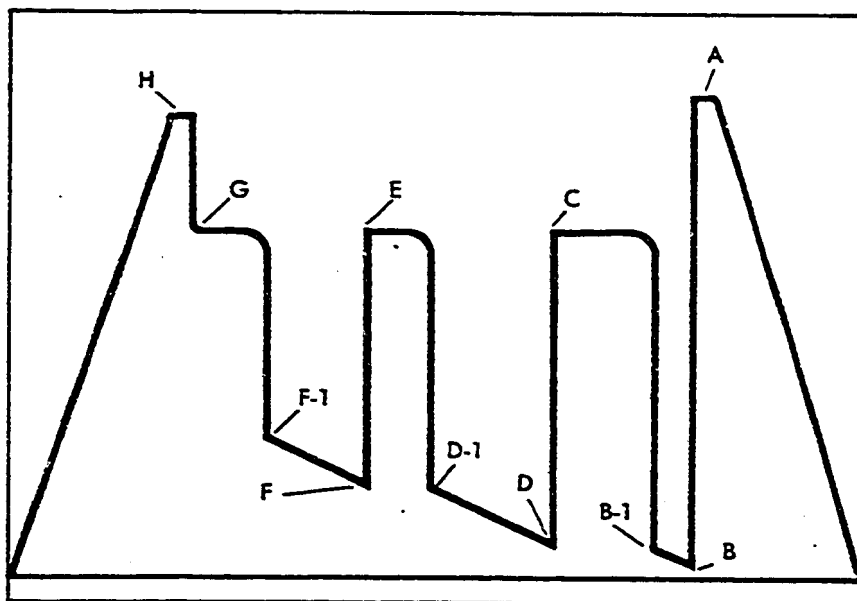
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.

RECORDER NO.

D08751

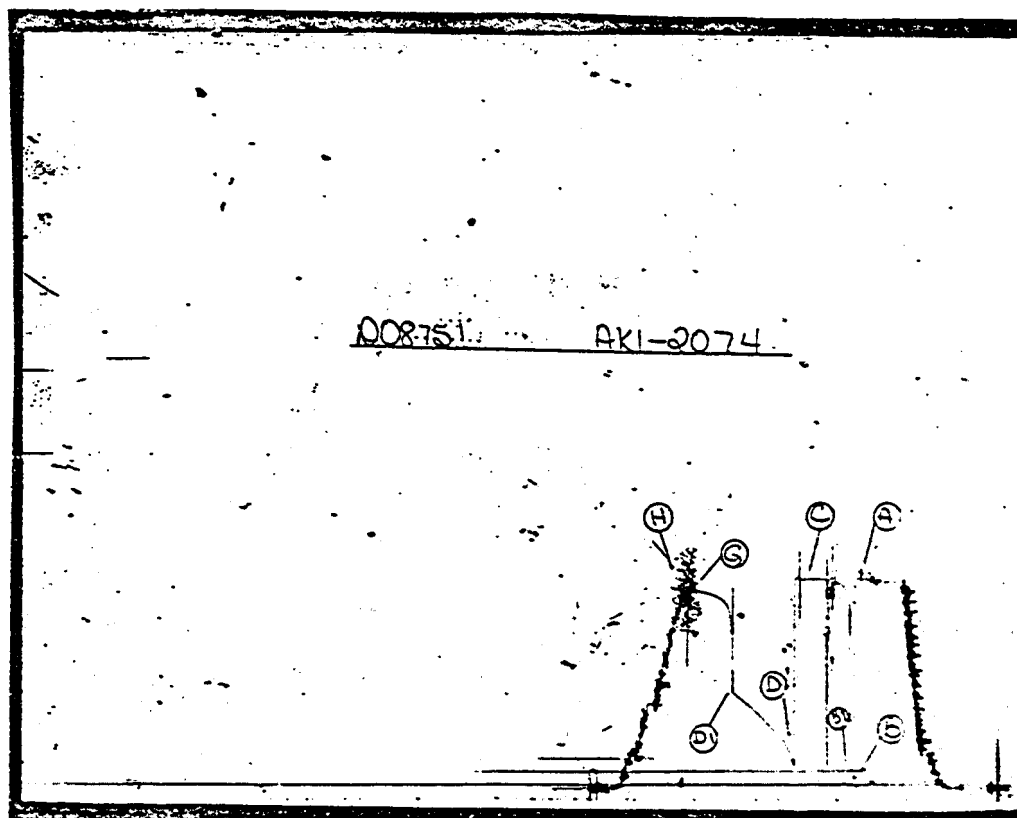
AKI-2074



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

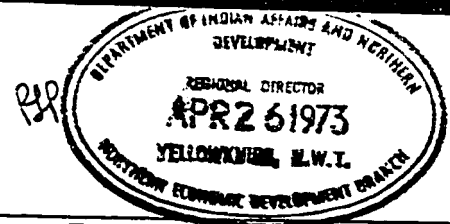
The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z—Special pressure points such as pumping pressures recorded for formation breakdown.



DST #2
Kee Scarp
630 - 653

A DIVISION OF THE CANADIAN PACIFIC LIMITED
331 50TH AVENUE SE CALGARY ALBERTA T2G 2B3

[illegible]

100

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

PRESSURE DATA

FLUID SAMPLE REPORT

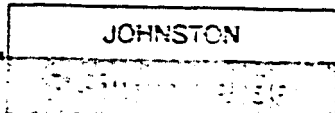
WELL DATA				FLUID SAMPLE REPORT			
WELL NO.		AKI-2074	AKI-2526	AKI-2101			
WELL DEPTH FT.		3200	3200	4050			
WELL OPENING		634	640	663			
WELL TEMP. °F.	56	Outside	Outside	Outside			
WELL HYDROSTATIC	A	237#					
WELL FLOW	B	28#					
	B-1	39#					
WELL SHUT-IN	C						
WELL FLOW	D		Clock	Clock			
	D-1		stopped	stopped			
WELL SHUT-IN	E						
WELL FLOW	F						
	F-1	B-2 36#					
WELL SHUT-IN	G						
WELL HYDROSTATIC	H	249#					

MARKS:

No prints made on recorders #AKL-2526 and #AKL-2101.

PRESSURE INCREMENTS ON RECORDER =

[illegible]



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ALBERTA DIVISION OF MINES & TECHNICAL SERVICES
301 50TH AVE. S.E. CALGARY, ALBERTA T2C 2B3

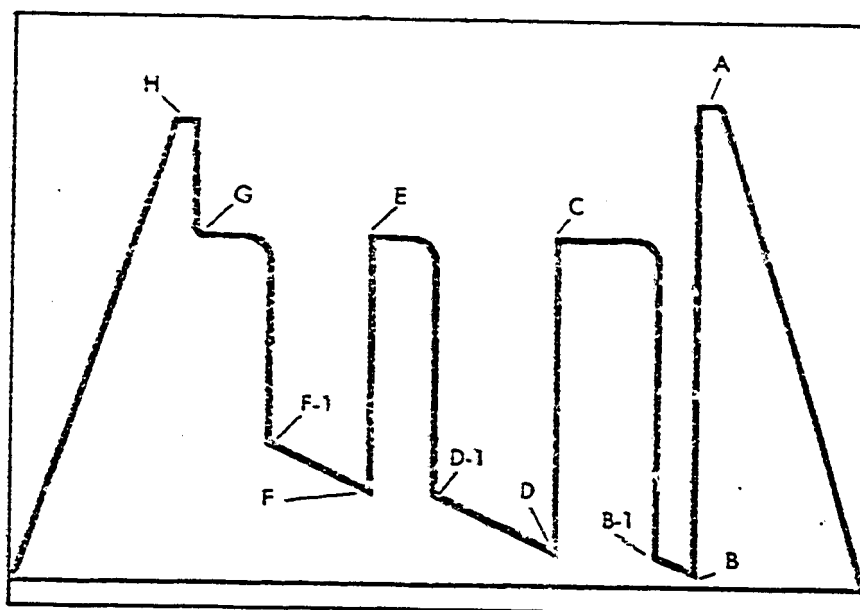
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.

D08752

RECORDER NO.

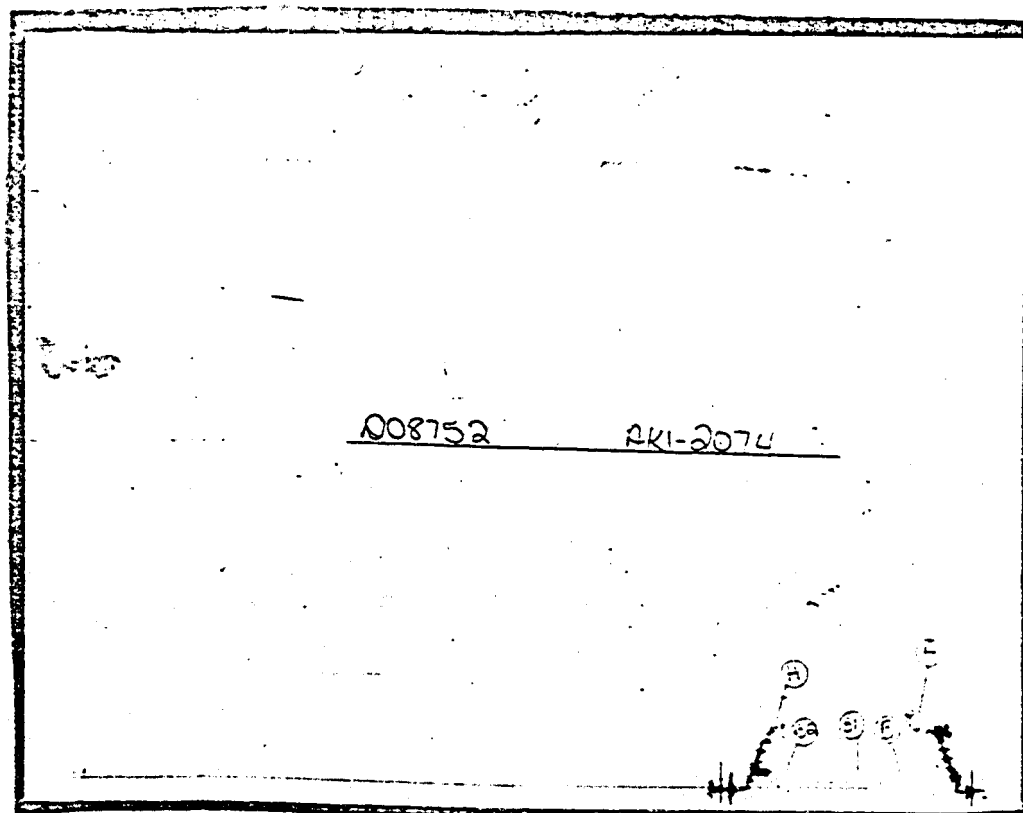
AKI-2074



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

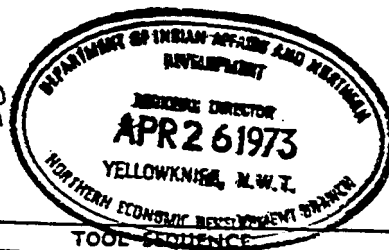
The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z—Special pressure points such as pumping pressures recorded for formation breakdown.



DST #3
Ronning
2700 - 3230

371 500 3.5000 50 14 122 2 5000 120 253

[illegible]

2016年10月

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A DIVISION OF INTERNATIONAL COMMERCE COMMISSION

PRESSURE DATA

FLUID SAMPLE REPORT

PRESSURE DATA				FLUID SAMPLE REPORT	
INSTRUMENT No.		AK1-2074	AK1-2526		
INSTRUMENT DEPTH (psig)		3200	3200		
INSTRUMENT DEPTH FT.		2711	2722		
INSTRUMENT OPENING		Outside	Outside		
WELL TEMP. °F.	68				
INSTRUMENTAL HYDROSTATIC	A	1159#	1171#		
INSTRUMENT FLOW	B	475#	485#		
	B-1	992#	1003#		
INSTRUMENTAL SHUT-IN	C	1157#	1167#		
INSTRUMENT FLOW	D	1043#	1051#		
	D-1	1156#	1167#		
INSTRUMENTAL SHUT-IN	E				
INSTRUMENT FLOW	F				
	F-1				
INSTRUMENTAL SHUT-IN	G	1158#	1170#		
INSTRUMENTAL HYDROSTATIC	H	1154#	1161#		
REMARKS:					

Sample No.	
Type	
Depth	
Volume	
Sample Pressure:	
	psig. at Surface
Gravity	API @ °F
Gas/Oil Ratio	Cu.Ft./bbl.
Recovery:	
	Cu. Ft. Gas
	cc. Oil
	cc. Water
	cc. Mud
	Total Liquid cc.

PRESSURE INCREMENTS ON RECORDER #

[illegible]

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Schlumberger

JOHNSTON TESTERS

A. L. Johnston, President, 1000 - 10th St. N.E., Calgary, Alberta, T2C 1P3
Tel. 262-1111

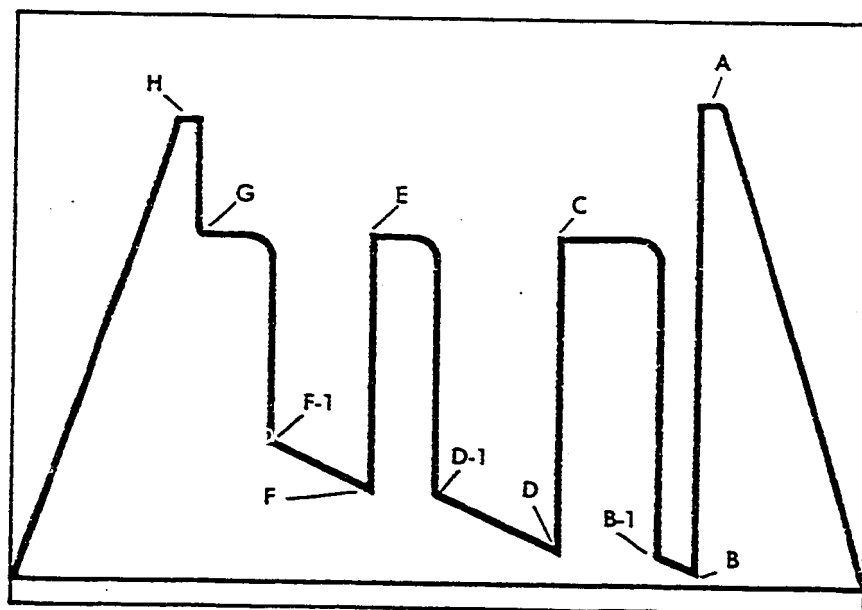
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.

RECORDER NO.

D08753

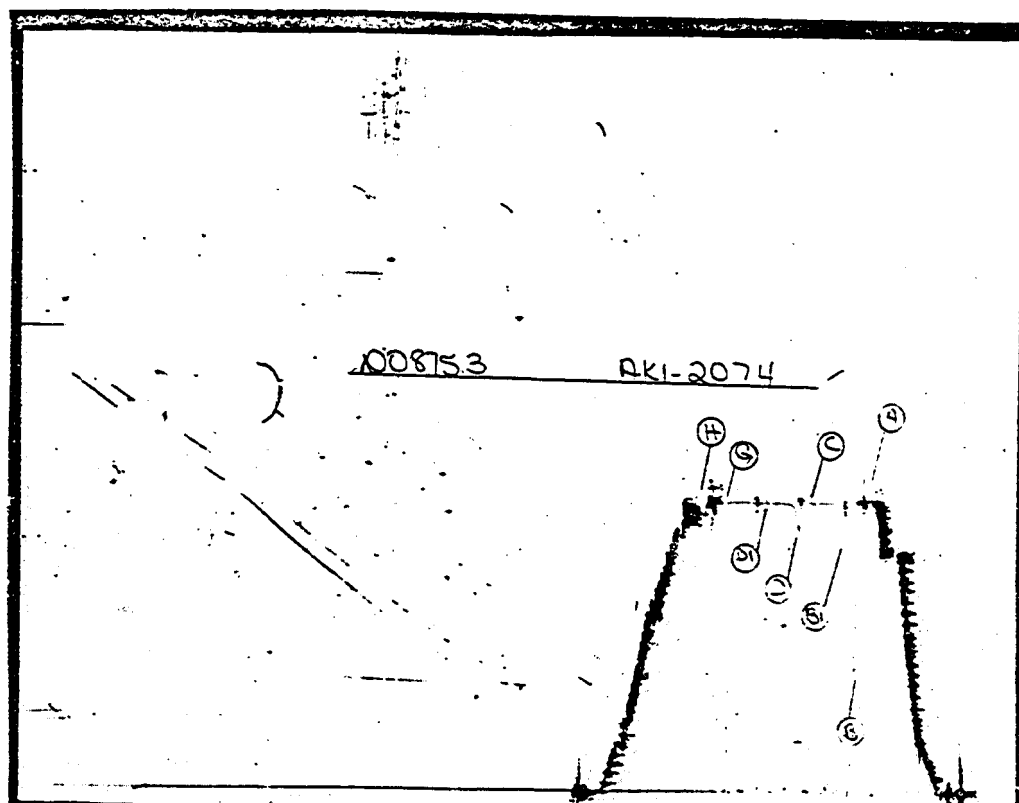
AKI-2074

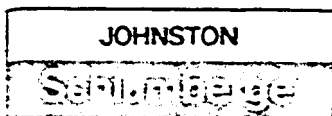


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z—Special pressure points such as pumping pressures recorded for formation breakdown.





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321 - 50th AVENUE SE CALGARY, ALBERTA T2G 2B3

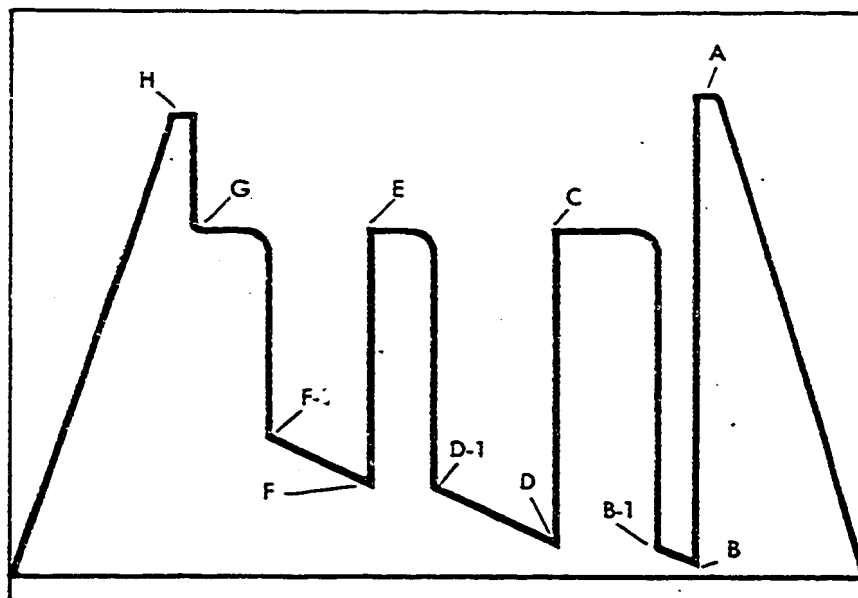
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.

RECORDER NO.

D08753

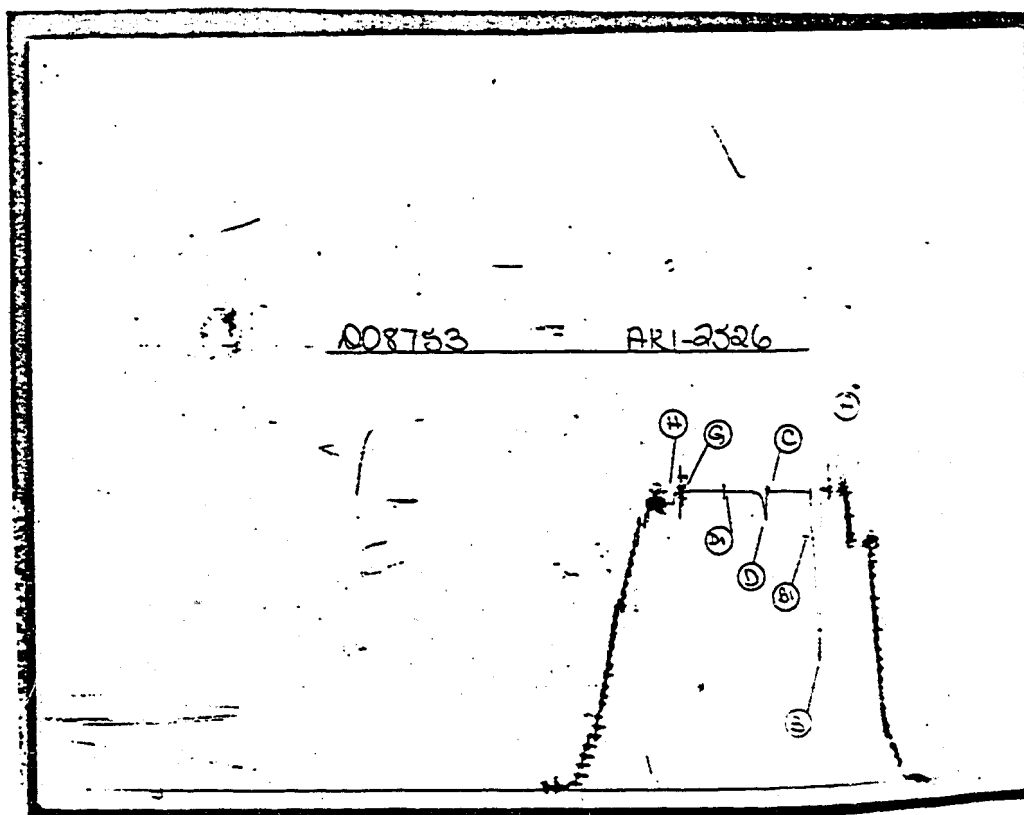
AKI-2526



- A. Initial Hyd. Mus
- B. First Flow
- C. Initial Shut-in
- D. Second Flow
- E. Second Shut-in
- F. Third Flow
- G. Final Shut-in
- H. Final Hyd. Mus

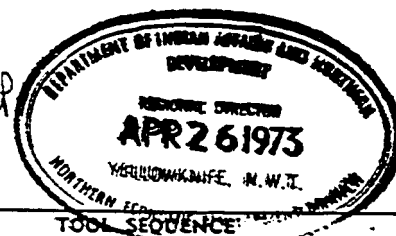
The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z—Special pressure points such as pumping pressure recorded for formation break-down



Kee Scarp
S10 - 850

221 100 1.5101 01 CALCUTTA AUG-74 122 263

[illegible]

JOHNSTON TESTERS

PRESSURE DATA

FLUID SAMPLE REPORT

WELL LOG				WELL SAMPLE REPORT			
WELL NO.	AK1-2074	AK1-2526	AK1-2101	Sample No.			
WELL DEPTH	3200	3200	4050	Type			
WELL OPENING	816	827	860	Depth			
TEMP. °F	68	Outside	Outside	Volume			
WELL TYPE	A			Sample Pressure.			
WELL FLOW	B				psig. at Surface		
WELL SHUT-IN	B-1			Gravity	API	@	°F
WELL FLOW	D			Gas Oil Ratio	Cu.Fr. bbl.		
WELL SHUT-IN	D-1			Recovery:			
WELL FLOW	E			Cu. Fr. Gas			
WELL SHUT-IN	F			cc. Oil			
WELL FLOW	F-1			cc. Water			
WELL SHUT-IN	G			cc. Mud			
WELL HYDROSTATIC	H			Total Liquid cc.			

MARKS:

No prints made on recorder #AKI-2526.

PRESSURE INCREMENTS ON RECORDER #

[illegible]

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ALBERTA, CANADA
300 NORTH ALEX. S.E. CALGARY, ALBERTA T2G 2E3

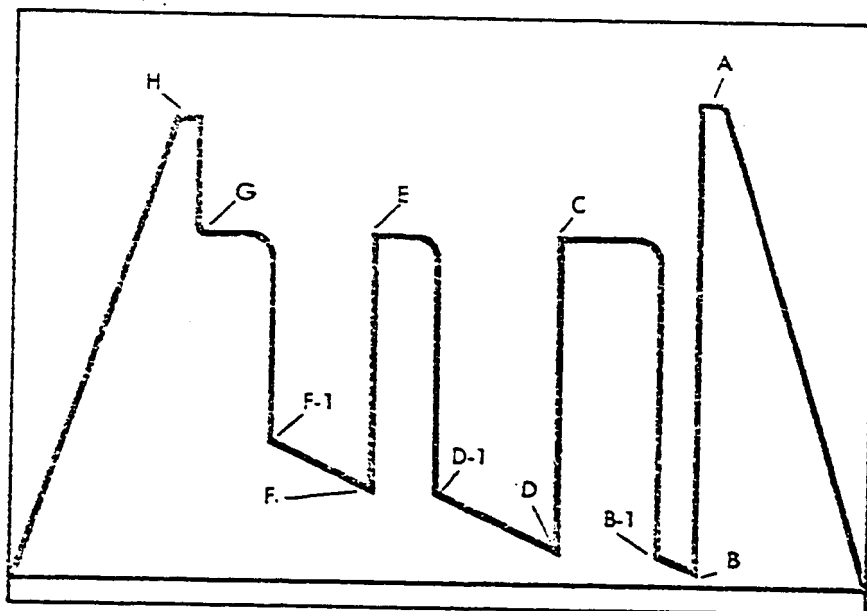
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
REPORT NO.

RECORDER NO.

D08754

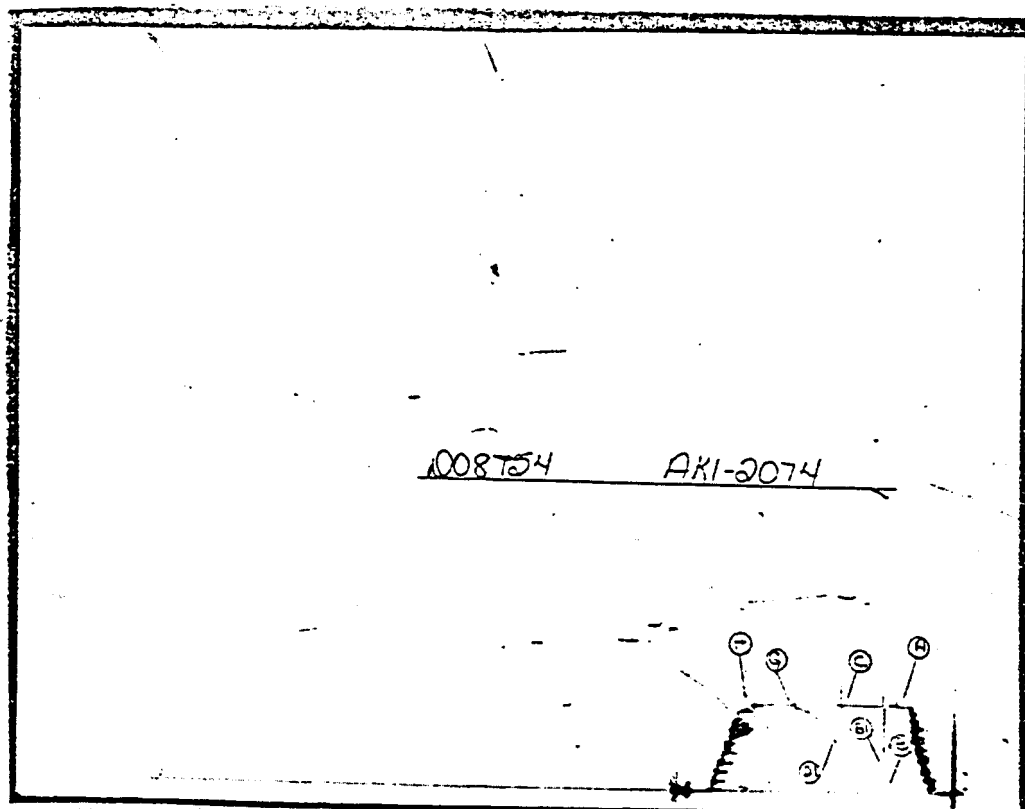
AK1-2074



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z—Special pressure points such as pumping pressures recorded for formation breakdown.

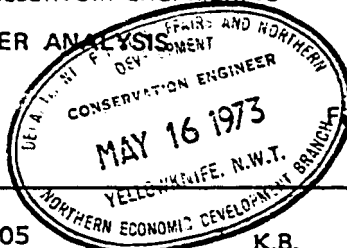




CORE LABORATORIES - CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS



7021-3569 Page 1 of 2

Company Mesa Petroleum (N.A.) Co.

Well Mesa Murphy CGOA Hanna Riv J-05 K.B. Grd. 450'
65 44'30.00 N.L.

Location 128 15'30.00 W.L. Field Hanna River Province N.W.T.

Formation Bear Rock Interval 1940' - 2133'

Sampled from DST #1 (Top of Tool) by R. Sand

Date sampled April 1/73 Date analysed April 6/73 Analyst L. Kinsella

Recovery 810' Liquid.

Mud type Water cushion

Total Solids:

Resistivity 0.500 Ohm-meters @ 69 °F Calculated 14,721 mg/liter

Specific gravity 1.0103 @ 60°F By evaporation @ 110°C - mg/liter

pH 7.7 H₂S Absent By evaporation @ 180°C - mg/liter

Refractive Index 1.3345 @ 75°F At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
4161	903	203	Trace	Abs.	-	-	6588	600	2266	0	0

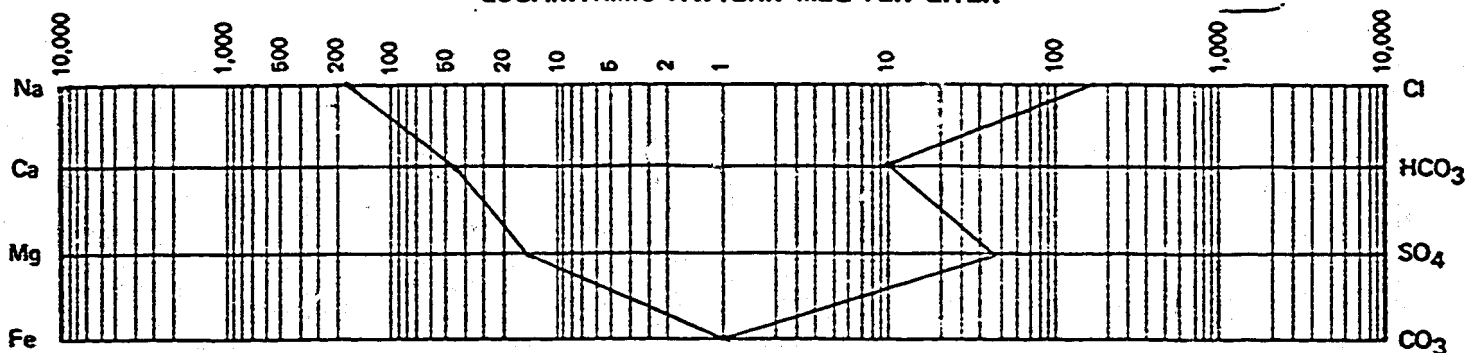
PER CENT CALCULATED SOLIDS

28.3	6.1	1.4	Trace	Abs.	-	-	44.8	4.1	15.4	.0	.0
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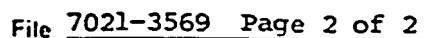
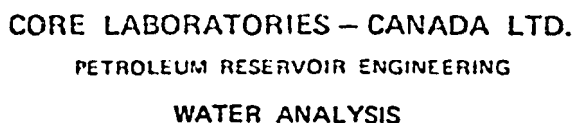
MEQ PER LITER

180.9	45.1	16.7	Trace	Abs.	-	-	185.8	9.8	47.1	.0	.0
-------	------	------	-------	------	---	---	-------	-----	------	----	----

LOGARITHMIC PATTERN MEQ PER LITER



13308. 4161.0



Well Mesa Murphy CGOA Hanna Riv J-05 K.B. _____ Grd. 450'

Location 65 44'30.00 N.L.
128 15'30.00 W.L. Field Hanna River Province N.W.T.

Formation	Kee Scarp	Interval	630' - 653'
-----------	-----------	----------	-------------

Sampled from DST #2 (Top of Tool) by R. Sand

Date sampled April 2/73 Date analysed April 6/73 Analyst L. Kinsella

Recovery 60' Liquid.

Mud type _____ Water cushion _____

Total Solids:

Resistivity 3.68 Ohm-meters @ 68 °F

Calculated 1.826 mg/liter

Specific gravity 1.0014 @ 60°F

By evaporation @ 110°C _____ - _____ mg/liter

pH 7.5 H₂S Absent

By evaporation @ 180°C _____ mg/liter

Refractive Index 1.3320 @ 75°F

At ignition _____ mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO ₃	SO ₄	CO ₃	OH
483	132	24	Trace	Abs.	-	-	744	151	292	0	0

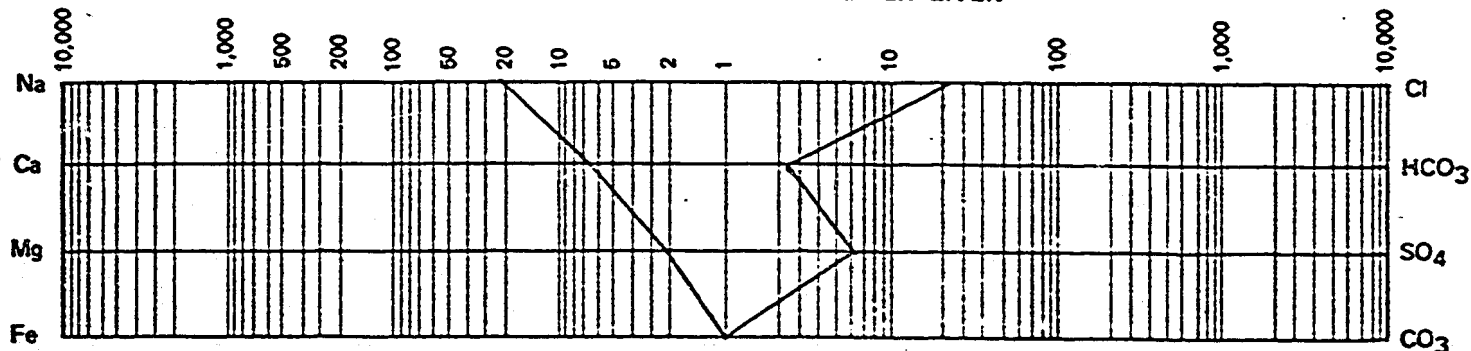
PER CENT CALCULATED SOLIDS

26.5	7.2	1.3	Trace	Abs.	-	-	40.7	8.3	16.0	.0	.0
------	-----	-----	-------	------	---	---	------	-----	------	----	----

MEQ PER LITER

21.0	6.6	2.0	Trace	Abs.	-	-	21.0	2.5	6.1	.0	.0
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LOGARITHMIC PATTERN MEQ PER LITER



1587. 483.0

Mesa Murphy CGOA Hanna Riv J-05

65-50-128-15

D.A. 686

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	DATE	REPORT NO.	
NO. 1											Apr 6 73	Mesa Murphy G.C.O.A. Kansas Riv I-5	Apr 6 73	20	
NO. 2															
EACH EMPLOYEE MUST SIGN THIS BOOK TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS															
DRILLER															
DERRICK															
FLOOR															
FLOOR															
FLOOR															
FIREMAN															
MECHANIC															
INJURIES															
TOUR NO. 2 8 A.M. TO 4 P.M.		HOURS													
DRILLER		12													
DERRICK		12													
FLOOR		12													
FLOOR		12													
FLOOR		12													
FLOOR		12													
FIREMAN															
MECHANIC															
INJURIES															
TOUR NO. 3 4 P.M. TO MIDNIGHT		HOURS													
DRILLER		12													
DERRICK		12													
FLOOR		12													
FLOOR		12													
FLOOR		12													
FLOOR		12													
FIREMAN															
MECHANIC															
INJURIES															

TOOLPUSHER *Blaine Lynch*
 APPROVED BY *[Signature]*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS										RECENT DRILLING LIMITED										DAY WORK RECORD									
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		DATE		REPORT NO.													
NO. 1										APR 5		Mesa Murphy GCOA Hanna Run I-5		APR 5		19													
NO. 2										RIG NO. 11		LOCATION		LSD. 65° SEC. 50' TWP. 128° RGE. 15		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.													
EACH EMPLOYEE MUST SIGN THIS BOOK										TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS										REMARKS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS										TOUR NO. 2 8 A.M. TO 4 P.M. HOURS										TOUR NO. 2 8 A.M. TO 4 P.M. HOURS									
DRILLER W.B. Lynch 13										DERRICK R. Mc Gregor 13										FLOOR M. McLean 13									
FLOOR E. Lemieux 12										FLOOR W. Dennis 13										FIREMAN									
MECHANIC										INJURIES										TOTAL									
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS									
DRILLER J.E. Manning 16										DERRICK K. Fred 16										FLOOR W. Shelbick 12									
FLOOR H. Durnall 16										FLOOR D. Turner 12										FIREMAN									
MECHANIC										INJURIES										TOTAL									
TOUR NO. 4 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 4 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 4 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 5 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 5 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 5 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 6 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 6 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 6 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 7 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 7 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 7 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 8 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 8 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 8 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 9 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 9 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 9 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 10 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 10 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 10 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 11 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 11 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 11 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 12 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 12 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 12 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 13 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 13 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 13 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 14 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 14 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 14 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 15 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 15 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 15 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL										TOTAL										TOTAL									
TOUR NO. 16 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 16 4 P.M. TO MIDNIGHT HOURS										TOUR NO. 16 4 P.M. TO MIDNIGHT HOURS									
DRILLER										DERRICK										FLOOR									
FLOOR										FLOOR										FLOOR									
FIREMAN										MECHANIC										INJURIES									
TOTAL																													

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 <i>Emco</i>	<i>300</i>	<i>14</i>
NO. 2 <i>Emco</i>	<i>175</i>	<i>12</i>

LAST CASING SIZE	LAST CASING SET AT
<i>9 7/8</i>	<i>508</i>

DATE *April 4/73*

WELL NAME *Mesa - Murphy Creek Hanna River*
I-5

DATE *April 4*

REPORT NO. *18*

RIG NO. *11*

LOCATION *LS. 65 SEC. 50 TWP. 128 RGE. 15*

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

DRILLER <i>J. L. Vennard</i>	<i>8</i>
DERRICK <i>H. Fred J</i>	<i>8</i>
FLOOR <i>W. H. H. H. H.</i>	<i>8</i>
FLOOR <i>H. D. D. D.</i>	<i>8</i>
FLOOR <i>D. Turner</i>	<i>8</i>
FIREMAN	
MECHANIC	
INJURIES	

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S		D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREE	
			3230															
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
	STANDS		FT.															
	SINGLES		FT.															
	D.C.'S		FT.															
SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
SUB		FT.	WEIGHT								Run Plug #3 (385'-430')							
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES			mixed 9 1/2 lbs oilwell cement							
		FT.	PUMP PRESSURE								Displaced w/ 5.5 lbs mud							
KELLY IN		FT.	R.P.M. PUMP NO.1								Cement in place @ 4.15 PM							
			R.P.M. PUMP NO.2								April 4/73							
TOTAL	3230	FT.	PUMP NO. 1 LINER SIZE	5 1/2	PUMP NO. 2 LINER SIZE		5 1/2	E. H.										

REMARKS	START	STOP	INT VAL
<i>W. O. C.</i>	<i>12:00</i>	<i>12:15</i>	<i>2 1/4</i>
<i>Run in To Feet plug #2</i>	<i>12:15</i>	<i>3:00</i>	<i>3</i>
<i>FELT plug #2 @ 18.36" &</i>	<i>3:00</i>		
<i>Push out To Run plug #3</i>		<i>3:30</i>	<i>1 1/2</i>
<i>Push 15 STDs & 1 sing 4 1/2 To</i>	<i>3:30</i>		
<i>585 Mix plug #3</i>		<i>4:15</i>	<i>3 1/4</i>
<i>W. O. C.</i>	<i>4:15</i>	<i>8:00</i>	<i>3 3/4</i>

TOUR NO. 2 8 A.M. TO 4 P.M. HOURS

DRILLER <i>W. B. Lynch</i>	<i>17</i>
DERRICK <i>R. Mac Gregor</i>	<i>17</i>
FLOOR <i>M. M. Leon</i>	<i>14</i>
FLOOR <i>L. Lemieux</i>	<i>14</i>
FLOOR <i>W. Dennis</i>	<i>14</i>
FIREMAN	
MECHANIC	
INJURIES	

FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES					
NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT		RPM		FOOTAGE FROM		FOOTAGE TO		FOOTAGE		HOURS		CORED FROM		CORED TO		REAMED FROM		REAM-ED TO		CONDIT-ION	
		STANDS		FT.																															
		SINGLES		FT.																															
		D.C.'S		FT.																															
		SUB		FT.		MUD		8 A.M.		10 A.M.		12 NOON		2 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS													
		SUB		FT.		WEIGHT																felt Plug #3 @ 464 ft													
		BIT OR C.B.		FT.		VISCOSITY										ADDITIVES																			
				FT.		PUMP PRESSURE																													
		KELLY IN		FT.		R.P.M. PUMP NO.1																													
				FT.		R.P.M. PUMP NO.2																													
				FT.		PUMP NO. 1																													
				FT.		PUMP NO. 2																													
TOTAL				FT.																															

REMARKS	START	STOP	INT VAL
<i>W. O. C.</i>	<i>8:00</i>	<i>12:00</i>	<i>4</i>
<i>RUN IN + FELT PLUG # 3 @ 464 ft</i>	<i>12:00</i>	<i>12:15</i>	<i>1/4</i>
<i>LAY DOWN PIPE</i>	<i>12:15</i>	<i>12:45</i>	<i>1/2</i>
<i>TEAR OUT BOPS. & LAY DOWN</i>	<i>12:45</i>	<i>4:00</i>	<i>3 1/4</i>

TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS

DRILLER <i>J. L. Vennard</i>	<i>5</i>
DERRICK <i>H. Fred J</i>	<i>5</i>
FLOOR <i>W. H. H. H. H.</i>	<i>5</i>
FLOOR <i>H. D. D. D.</i>	<i>5</i>
FLOOR <i>D. Turner</i>	<i>5</i>
FIREMAN	
MECHANIC	
INJURIES	

FROM			FOOTAGE	TOTAL DEPTH	LINER SIZE		HOURS ON BOTTOM		DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS	DEGREES
NO.			DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION	
			STANDS		FT.																
			SINGLES		FT.																
			D.C.'S		FT.																
			SUB		FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
			SUB		FT.	WEIGHT															
			BIT OR C.B.		FT.	VISCOSITY					ADDITIVES										
					FT.	PUMP PRESSURE															
			KELLY IN		FT.	R.P.M. PUMP NO. 1															
						R.P.M. PUMP NO. 2															
TOTAL					FT.	PUMP NO. 1 LINER SIZE	PUMP NO. 2														

REMARKS	START	STOP	INT VAL
<i>Dig cellar & put 10 bags cement @ 4:00</i>			
<i>then cut Down pipe &</i>			
<i>5 bags in rathole & 5 bags in</i>			
<i>mouse hole. & cut casing</i>			
<i>& weld on cap</i>			
	<i>10:00</i>	<i>11:00</i>	<i>1</i>

DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE	RESULTS	TOTCO RING ON BIT NO.		

TOOLPUSHER *B. L. Lynch*
APPROVED BY *J. L. Hicks*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	LOCATION	DATE	REPORT NO.
NO. 1			EMSCO		D-300	14	9 3/4		508		APRIL 3 1973	Mesa-Murphy C.C.O.A-HANNA River	65° SEC 50' TWP. 128° RGE. 15'	APRIL 3 1973	17
NO. 2			EMSCO		D-175	12									
PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.															
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS												
DRILLER			J. Boyko		16										
DERRICK			B. LANG		16										
FLOOR			V. SIWICKI		16										
FLOOR			B. LEISBAKER		16										
FLOOR			B. SCHAEFFER		16										
FIREMAN															
MECHANIC															
INJURIES			FLY TO EDMONTON 8 HRS												
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS												
DRILLER			J. Vennig		16										
DERRICK			H. Tref		16										
FLOOR			W. H. H. H.		16										
FLOOR			G. D. D.		16										
FLOOR			D. Turner		16										
FIREMAN															
MECHANIC															
INJURIES			NIL												
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS												
DRILLER			W. B. Lynch		16										
DERRICK			R. Mac Gregor		16										
FLOOR			M. M. Leon		16										
FLOOR			E. Lemieux		16										
FLOOR			W. Dennis		16										
FIREMAN															
MECHANIC															
INJURIES			Fly From Edmonton 8 HRS												
TOUR NO. 4 8 P.M. TO 12 MIDNIGHT			HOURS												
DRILLER			W. B. Lynch		16										
DERRICK			R. Mac Gregor		16										
FLOOR			M. M. Leon		16										
FLOOR			E. Lemieux		16										
FLOOR			W. Dennis		16										
FIREMAN															
MECHANIC															
INJURIES			Fly From Edmonton 8 HRS												
TOUR NO. 5 12 MIDNIGHT TO 8 A.M.			HOURS												
DRILLER			J. Boyko		16										
DERRICK			B. LANG		16										
FLOOR			V. SIWICKI		16										
FLOOR			B. LEISBAKER		16										
FLOOR			B. SCHAEFFER		16										
FIREMAN															
MECHANIC															
INJURIES			FLY TO EDMONTON 8 HRS												

DAY WORK RECORD

DATE APR 12-1973

WELL NAME MEER-MURPHY-CCOA-HANNA RIVER T

DATE APRIL 2-1973 REPORT NO. 16

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

[illegible]

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	DATE	REPORT NO.
NO. 1			EMSCO		D-300	14					APRIL 1 - 1973	MESA-MURPHY - C. COA HANNA	APRIL 1 1973	15
NO. 2			EMSCO		D-175	12					APRIL 3			
EACH EMPLOYEE MUST SIGN THIS BOOK														
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS											
DRILLER			J. Boyko											
DERRICK			R. Lang											
FLOOR			V. SIWICKI											
FLOOR			R. PreisBAUER											
FLOOR			R. SCHAFFER											
FIREMAN														
MECHANIC														
INJURIES														
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS											
DRILLER			J. Vennind											
DERRICK			H. Fred											
FLOOR			W. Plubish											
FLOOR			H. D. Wall											
FLOOR			D. Turner											
FIREMAN														
MECHANIC														
INJURIES			NIL											
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS											
DRILLER			J. Boyko											
DERRICK			R. Lang											
FLOOR			V. SIWICKI											
FLOOR			R. PreisBAUER											
FLOOR			R. SCHAFFER											
FIREMAN														
MECHANIC														
INJURIES														
DRILL PIPE SIZE			4 1/2											
B.O.P.'S TESTED														
ELAPSED TIME			218											
PRESSURE														
RESULTS														
TOTO RING-ON BIT NO.														

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER			TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	DATE	REPORT NO.
NO. 1 EMSCO			D.300	14					MAR. 31 1973	Mesa Murphy - GPOA Hanna River	MAR. 31 1973	14
NO. 2 EMSCO			D.175	12	9 3/8		508		RIG NO. 11	LOCATION	LS. 65° SEC. 50' TWP. 128° RGE. 15'	
PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.												
TOUR NO. 1 MIDNIGHT TO 8 A.M.					HOURS							
DRILLER J. Boyko					8 @ 3230							
DERRICK R. LANG					8							
FLOOR V. SIWICKI					8							
FLOOR R. GEISBAUER					8							
FLOOR R. SCHAEFFER					8							
FIREMAN												
MECHANIC												
INJURIES V. SIWICKI - STROCK IN LEFT EYE												
TOTAL 3230												
TOUR NO. 2 8 A.M. TO 4 P.M.					HOURS							
DRILLER J. Vennin					12							
DERRICK R. Lang					12							
FLOOR W. H. Schubert					12							
FLOOR J. O'Sullivan					12							
FLOOR D. Turner					12							
FIREMAN												
MECHANIC												
INJURIES												
TOTAL 3230												
TOUR NO. 3 4 P.M. TO MIDNIGHT					HOURS							
DRILLER J. Boyko					4 @ 3230							
DERRICK R. LANG					4							
FLOOR V. SIWICKI					4							
FLOOR R. GEISBAUER					4							
FLOOR R. SCHAEFFER					4							
FIREMAN												
MECHANIC												
INJURIES												
TOTAL 3230												
DRILL PIPE SIZE 4 1/2					TYPE F.H							
B.O.P.'S TESTED					ELAPSED TIME							
PRESSURE					RESULTS							
TOTAL FOOTAGE DRILLED 10816					LAST CALIPER DATE							
RESULTS					TOTCO RING ON BIT NO.							
TOOLPUSHER A. Corbett					APPROVED BY E. Hicks							

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>MARCH 30</u>		WELL NAME <u>Mesa-Murphy - C.C.O.R. Hanna River</u>		DATE <u>MARCH 30</u> 1973		REPORT NO. <u>13</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>		LOCATION LSD. SEC. TWP. RGE.	
NO. 1 <u>EMSCO</u>	<u>14</u>	<u>14</u>	<u>9 3/4</u>		<u>50 8</u>					
NO. 2 <u>EMSCO</u>	<u>12</u>	<u>12</u>								
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS							
DRILLER <u>J. Boyko</u>	<u>8</u>		<u>3112</u>		<u>118</u>		<u>3230</u>		<u>6 3/4</u>	
DERRICK <u>R. LANG</u>	<u>8</u>		<u>28</u>		<u>STANDS</u>		<u>5</u>		<u>8 3/4</u>	
FLOOR <u>V. SIWICKI</u>	<u>8</u>		<u>2</u>		<u>SINGLES</u>		<u>2669.69</u>		<u>FT.</u>	
FLOOR <u>R. LEISBAUER</u>	<u>8</u>		<u>17</u>		<u>D.C.'S</u>		<u>508.91</u>		<u>FT.</u>	
FLOOR <u>R. SCHAEFFER</u>	<u>8</u>		<u>2</u>		<u>SUB</u>		<u>3.41</u>		<u>FT.</u>	
FIREMAN			<u>1</u>		<u>SHOCK</u>		<u>10.94</u>		<u>FT.</u>	
MECHANIC			<u>1</u>		<u>BIT OR C.B.</u>		<u>6.03</u>		<u>FT.</u>	
INJURIES			<u>3</u>		<u>STAB</u>		<u>13.03</u>		<u>FT.</u>	
			<u>1</u>		<u>KELLY IN</u>		<u>17.99</u>		<u>FT.</u>	
TOTAL			<u>3230</u>		<u>FT.</u>		<u>PUMP NO. 1 LINER SIZE</u>		<u>5 1/2</u>	
			<u>3230</u>		<u>FT.</u>		<u>PUMP NO. 2 LINER SIZE</u>		<u>5 1/2</u>	
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS							
DRILLER <u>E. Vanning</u>	<u>12</u>		<u>29</u>		<u>STANDS</u>		<u>2699.58</u>		<u>FT.</u>	
DERRICK <u>H. Fred</u>	<u>12</u>		<u>29</u>		<u>STANDS</u>		<u>2699.58</u>		<u>FT.</u>	
FLOOR <u>W. Glubish</u>	<u>12</u>		<u>17</u>		<u>D.C.'S</u>		<u>508.91</u>		<u>FT.</u>	
FLOOR <u>G. Ruwall</u>	<u>12</u>		<u>2</u>		<u>SUB</u>		<u>3.41</u>		<u>FT.</u>	
FLOOR <u>D. Turner</u>	<u>12</u>		<u>2</u>		<u>SUB</u>		<u>3.41</u>		<u>FT.</u>	
FIREMAN			<u>1</u>		<u>BIT OR C.B.</u>		<u>6.03</u>		<u>FT.</u>	
MECHANIC			<u>3</u>		<u>STAB</u>		<u>13.03</u>		<u>FT.</u>	
INJURIES			<u>1</u>		<u>KELLY IN</u>		<u>17.99</u>		<u>FT.</u>	
TOTAL			<u>3230</u>		<u>FT.</u>		<u>PUMP NO. 1 LINER SIZE</u>		<u>5 1/2</u>	
			<u>3230</u>		<u>FT.</u>		<u>PUMP NO. 2 LINER SIZE</u>		<u>5 1/2</u>	
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS							
DRILLER <u>J. Boyko</u>	<u>4</u>		<u>29</u>		<u>STANDS</u>		<u>2699.58</u>		<u>FT.</u>	
DERRICK <u>R. LANG</u>	<u>4</u>		<u>29</u>		<u>STANDS</u>		<u>2699.58</u>		<u>FT.</u>	
FLOOR <u>V. SIWICKI</u>	<u>4</u>		<u>17</u>		<u>D.C.'S</u>		<u>508.91</u>		<u>FT.</u>	
FLOOR <u>R. LEISBAUER</u>	<u>4</u>		<u>2</u>		<u>SUB</u>		<u>3.41</u>		<u>FT.</u>	
FLOOR <u>R. SCHAEFFER</u>	<u>4</u>		<u>2</u>		<u>SUB</u>		<u>3.41</u>		<u>FT.</u>	
FIREMAN			<u>1</u>		<u>BIT OR C.B.</u>		<u>6.03</u>		<u>FT.</u>	
MECHANIC			<u>3</u>		<u>STAB</u>		<u>13.03</u>		<u>FT.</u>	
INJURIES			<u>1</u>		<u>KELLY IN</u>		<u>17.99</u>		<u>FT.</u>	
TOTAL			<u>3230</u>		<u>FT.</u>		<u>PUMP NO. 1 LINER SIZE</u>		<u>5 1/2</u>	
			<u>3230</u>		<u>FT.</u>		<u>PUMP NO. 2 LINER SIZE</u>		<u>5 1/2</u>	
DRILL PIPE SIZE <u>4 1/2</u>			TYPE <u>FH</u>		TOTAL NO. OF JOINTS <u>218</u>		DATE LAST SONOSCOPIED		FOOTAGE DRILLED SINCE LAST SONOSCOPIED <u>10816</u>	
B.O.P.'S TESTED			ELAPSED TIME		PRESSURE		RESULTS		TOTCO. RING ON BIT NO.	
TOOLPUSHER			APPROVED BY <u>L. Hicks</u>							

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	LOCATION	DATE	REPORT NO.
NO. 1			FMSCO		D300	14	2649		165		MARCH 29 1973	MCSA MURPHY	65° SEC. 50' TWP. 128° RGE. 15'	MARCH 29 1973	12
NO. 2			FMSCO		D175	12	2814		508						
EACH EMPLOYEE MUST SIGN THIS BOOK															
TOUR NO. 1			MIDNIGHT TO 8 A.M.		HOURS										
DRILLER			J. Boyko		8										
DERRICK			A. LANG		8										
FLOOR			V. SIWICKI		8										
FLOOR			A. CelsBAVER		8										
FLOOR			R. SCHAEFFER		8										
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			2814.58		FT.										
TOUR NO. 2			8 A.M. TO 4 P.M.		HOURS										
DRILLER			J. Venning		12										
DERRICK			A. Fred		12										
FLOOR			W. G. Bish		12										
FLOOR			D. Dwall		12										
FLOOR			D. Turner		12										
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			2948		FT.										
TOUR NO. 3			4 P.M. TO MIDNIGHT		HOURS										
DRILLER			J. Boyko		4										
DERRICK			R. LANG		4										
FLOOR			V. SIWICKI		4										
FLOOR			A. CelsBAVER		4										
FLOOR			R. SCHAEFFER		4										
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			218		FT.										
DRILL PIPE SIZE			4 1/2		F.H.										
B.O.P.'S TESTED			4 1/2 - HYDRA 11		ELAPSED TIME										
FOOTAGE DRILLED SINCE LAST SONOSCOPIED			10698		TOTAL FOOTAGE DRILLED										
LAST CALIPER DATE					RESULTS										
TOTAL CO. RING ON BIT NO.					CODE LETTER OF STRING										
TOOLPUSHER			A. J. Pott		APPROVED BY										
RESULTS					RESULTS										

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE	REPORT NO.		
NO. 1			F.M.S.C.O.		D300	14					MAR. 28-73	MESA-MURPHY P.O.P. HANNA RIVER JS		MAR 28 1973			
NO. 2			F.M.S.C.O.		D175	12	958		508			LOCATION		LSD. 65° SEC. 50' TWP. 128° RGE. 15'			
EACH EMPLOYEE MUST SIGN THIS BOOK																	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS														
DRILLER			J.T. Boyko		8												
DERRICK			R. LANG		8												
FLOOR			V. SIWICKI		8												
FLOOR			R. GELBAUER		8												
FLOOR			R. SCHAEFFER		8												
FIREMAN																	
MECHANIC																	
INJURIES																	
TOTAL			2528.63		FT.												
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS														
DRILLER			J. Vonning		12												
DERRICK			K. Jurek		12												
FLOOR			W. Bludish		12												
FLOOR			J. Quinell		12												
FLOOR			D. Turner		12												
FIREMAN																	
MECHANIC																	
INJURIES																	
TOTAL			2623		FT.												
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS														
DRILLER			J.T. Boyko		4												
DERRICK			R. LANG		4												
FLOOR			V. SIWICKI		4												
FLOOR			R. GELBAUER		4												
FLOOR			R. SCHAEFFER		4												
FIREMAN																	
MECHANIC																	
INJURIES																	
TOTAL			2649		FT.												
DRILL PIPE SIZE			4 1/2		F.H.												
B.O.P.'S TESTED			4 1/2 - HYDRIL - BLIND														
ELAPSED TIME			218														
PRESSURE																	
RESULTS			C-0														
TOTO RING ON, BIT NO.																	
TOOLPUSHER			D. Corbett														
APPROVED BY			E. Hicks														

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE	REPORT NO.
NO. 1			EMCO		300	14	1962		508		Mar 27/73	Mesa Murphy GCOA Hanna riv JS		Mar 27/73	
NO. 2			11		175	12	956		508			LOCATION LSD. 65' SEC. 50' TWP. 128° RGE. 15			
EACH EMPLOYEE MUST SIGN THIS BOOK															
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS												
DRILLER			W.B. LYNCH		18										
DERRICK			R.M. GREGOR		18										
FLOOR			M.M. LEAN		18										
FLOOR			E. LEMELUX		18										
FLOOR			W. DENNIS		18										
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			2093.37												
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS												
DRILLER			J. BOYKO		8										
DERRICK			R. LANG		8										
FLOOR			V. SIKWICKI		8										
FLOOR			R. GIESBAUER		8										
FLOOR			R. SCHAEFFER		8										
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			2247.07												
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS												
DRILLER			J. VERNING		16										
DERRICK			R. JORDAN		16										
FLOOR			W. BLUMBERG		16										
FLOOR			S. DUNNELL		16										
FLOOR			D. TURNER		16										
FIREMAN															
MECHANIC															
INJURIES															
TOTAL			2393												
DRILL PIPE SIZE			4 1/2												
B.O.P.'S TESTED			4 1/2 - Hybrid												
ELAPSED TIME			0 + C												
PRESSURE															
RESULTS			OK												
TOOTCO RING ON BIT NO.			4												
TOOLPUSHER			B. J. Lynch, A. Corbett												
APPROVED BY			[Signature]												

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Mar 26</u>		WELL NAME <u>Mesa Murphy B.C.O.A. Honna riv. J5</u>		DATE <u>Mar 26</u>		REPORT NO. <u>10</u>														
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>		LOCATION LSD. <u>65'</u> SEC. <u>50'</u> TWP. <u>128'</u> RGE. <u>15'</u>														
NO. 1 <u>EMCO</u>	<u>300</u>	<u>14</u>																					
NO. 2 <u>11</u>	<u>175</u>	<u>12</u>																					
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES	REMARKS	START	STOP	INT VAL	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			1582	78	1660	4 1/2	60	4-6 3/4	48	2	8	80	1250	0	2250	Mar 16	1613	1°	drill	12:00	1:30	1 1/2	1 1/2
DRILLER <u>W.B. Lynch</u>	<u>8</u>																						
DERRICK <u>R. MacGregor</u>	<u>8</u>																						
FLOOR <u>M. M. Leon</u>	<u>8</u>																						
FLOOR <u>E. Lemeux</u>	<u>8</u>																						
FLOOR <u>W. Dennis</u>	<u>8</u>																						
FIREMAN																							
MECHANIC																							
INJURIES																							
TOTAL <u>16 59</u>																							
TOUR NO. 2 8 A.M. TO 4 P.M.			1660	131	1791	7 1/2	62	4-6 3/4	48	8	8	80	1250	0	2250	Mar 16			rig see Bops	8:00	8:15	1/4	
DRILLER <u>G. Boyko</u>	<u>12</u>																						
DERRICK <u>R. Long</u>	<u>12</u>																						
FLOOR <u>V. Siwicki</u>	<u>12</u>																						
FLOOR <u>R. Leisbaver</u>	<u>12</u>																						
FLOOR <u>R. Schaffer</u>	<u>12</u>																						
FIREMAN																							
MECHANIC																							
INJURIES																							
TOTAL <u>1791</u>																							
TOUR NO. 3 4 P.M. TO MIDNIGHT			1791	171	1962	8	62	4-6 3/4	48	5	8	80	1250	0	2250	Mar 16			DRILL	4:00	12:00	8	8
DRILLER <u>W.B. Lynch</u>	<u>4</u>																						
DERRICK <u>R. MacGregor</u>	<u>4</u>																						
FLOOR <u>M. M. Leon</u>	<u>4</u>																						
FLOOR <u>E. Lemeux</u>	<u>4</u>																						
FLOOR <u>W. Dennis</u>	<u>4</u>																						
FIREMAN																							
MECHANIC																							
INJURIES																							
TOTAL <u>1962.06</u>																							
DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>FH</u>	TOTAL NO. OF JOINTS <u>218</u>	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED <u>9548</u>	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING	TOOLPUSHER <u>B. Lynch</u>														
B.O.P.'S TESTED <u>Mar 26 / 73</u>		ELAPSED TIME <u>close open + open</u>	PRESSURE <u>mill</u>	RESULTS <u>OK</u>	TOTCO RING ON BIT NO.		APPROVED BY <u>E. Hicks</u>																

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE	REPORT NO.	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS													
DRILLER			8		1128		152		1280		7 3/4		5400		48000	
DERRICK			8		7		STANDS		652.55 FT.		2RR		8 3/4		2-11	
FLOOR			8		19		D.C.'S		567.73 FT.							
FLOOR			8		2		SUB C/O		347 FT.		MUD		12 MID.		2 A.M.	
FIREMAN					1		SUB		10.94 FT.		WEIGHT					
MECHANIC					1		BIT OR C.B.		6.03 FT.		VISCOSITY					
INJURIES					3		STAB		13.03 FT.		PUMP PRESSURE		200			
TOTAL			1280		1424		1424		6 1/2		5600		48000			
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS													
DRILLER			12		1280		144		1424		6 1/2		5600		48000	
DERRICK			12		8		STANDS		804.64 FT.		2RR		8 3/4		2-11	
FLOOR			12		2		SINGLES		567.73 FT.							
FLOOR			12		19		D.C.'S		567.73 FT.							
FLOOR			12		2		SUB C/O		347 FT.		MUD		8 A.M.		10 A.M.	
FIREMAN					1		SUB		10.94 FT.		WEIGHT					
MECHANIC					1		BIT OR C.B.		6.03 FT.		VISCOSITY					
INJURIES					3		STAB		13.03 FT.		PUMP PRESSURE		200			
TOTAL			1280		1424		1424		6 1/2		5600		48000			
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS													
DRILLER			4		1424		158		1582		7 1/2		5800		48000	
DERRICK			4		10		STANDS		955.72 FT.		2RR		8 3/4		2-11	
FLOOR			4		19		D.C.'S		567.73 FT.							
FLOOR			4		2		SUB		347 FT.		MUD		4 P.M.		6 P.M.	
FIREMAN					1		SUB		1094 FT.		WEIGHT					
MECHANIC					1		BIT OR C.B.		6.03 FT.		VISCOSITY					
INJURIES					3		STAB		13.03 FT.		PUMP PRESSURE		200			
TOTAL			4		1424		158		1582		7 1/2		5800		48000	
DRILL PIPE SIZE			4 1/2		TYPE		FH		TOTAL NO. OF JOINTS		218		DATE LAST SONOSCOPIED			
B.O.P.'S TESTED			Mar 25/73		ELAPSED TIME		CLOSE & OPEN		PRESSURE		WILL		RESULTS		O.K.	
TOOLPUSHER			B. Lynch		APPROVED BY		L. H. H. H.		TOTO RING ON BIT NO.							

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Mar 24 73</u>		WELL NAME <u>Mrs. Murphy GCOA Hanna Riv 15</u>		DATE <u>Mar 28/73</u>		REPORT NO. <u>8</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>		LOCATION <u>LS. 65° SEC. 50' TWP. 128° RGE. 15'</u>	
NO. 1 <u>Emco</u>	<u>D-300</u>	<u>14"</u>								
NO. 2 <u>"</u>	<u>D-175</u>	<u>12"</u>	<u>9 3/4</u>		<u>508</u>					
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.S.	D.C. WEIGHT	TRIPS
TOUR NO. 1 MIDNIGHT TO 8 A.M.			854	84	938	5 3/4	5000	4-6 3/4	48000	8
DRILLER <u>W. B. Lynch</u>	8									
DERRICK <u>R. MacHugh</u>	8									
FLOOR <u>M. McLean</u>	8									
FLOOR <u>E. Lemieux</u>	8									
FLOOR <u>W. Dennis</u>	8									
FIREMAN										
MECHANIC										
INJURIES										
TOTAL			938							
TOUR NO. 2 8 A.M. TO 4 P.M.			938	62	1000	4 3/4	5200	4-6 3/4	48000	8
DRILLER <u>J. Boyko</u>	15									
DERRICK <u>R. Lang</u>	15									
FLOOR <u>V. Simicki</u>	12									
FLOOR <u>R. Heisler</u>	12									
FLOOR <u>R. Schaffer</u>	12									
FIREMAN										
MECHANIC										
INJURIES										
TOTAL			1000							
TOUR NO. 3 4 P.M. TO MIDNIGHT			1000	128	1128	7 3/4	5200	4-6 3/4	48000	8
DRILLER <u>W. B. Lynch</u>	4									
DERRICK <u>R. MacHugh</u>	4									
FLOOR <u>M. McLean</u>	4									
FLOOR <u>E. Lemieux</u>	4									
FLOOR <u>W. Dennis</u>	4									
FIREMAN										
MECHANIC										
INJURIES										
TOTAL			1128							
DRILL PIPE SIZE <u>4 1/2</u>	TYPE <u>P.H.</u>	TOTAL NO. OF JOINTS <u>218</u>	DATE LAST SONOSCOPIED <u>8714</u>	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING		
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE		RESULTS		TOTCO. RING ON BIT NO.		
REMARKS										
TOOLPUSHER <u>B. Lynch</u>										
APPROVED BY <u>E. Dicks</u>										

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE	REPORT NO.															
NO. 1			Emco		D-300	14"	9 3/4		508		Mar 23 / 73	Mesa Murphy GCOA Hanna River J-5		Mar 23 / 73	7															
NO. 2			Emco		D-175	12"																								
EACH EMPLOYEE MUST SIGN THIS BOOK																														
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS																											
DRILLER	W.B. Lynch	8	FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES	REMARKS	TIME											
DERRICK	R. MacGregor	8	NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION	START	STOP	INT VAL								
FLOOR	M. McLean	8	2	SINGLES		60.89 FT.																								
FLOOR	E. Lemieux	8	19	D.C.'S		567.73 FT.																								
FLOOR	N. Dennis	8		SUB		13.03 FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS															
FIREMAN				SUB		6.03 FT.	WEIGHT		8.7	8.8	8.9																			
MECHANIC				BIT OR C.B.		10.94 FT.	VISCOSITY		30	35	38	ADDITIVES																		
INJURIES				KELLY IN		4100 FT.	PUMP NO. 1		61	61	61																			
TOTAL			699.64 FT.													Pipe Tally 582.78					Pipe Strip 582.18					Drill 1.60				
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS																											
DRILLER	J. Boyko	12	FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES	REMARKS	TIME											
DERRICK	R. Lang	12	NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION	START	STOP	INT VAL								
FLOOR	V. Siwicki	12	2	SINGLES		186.76 FT.																								
FLOOR	R. Herschauer	12	4	D.C.'S		567.73 FT.																								
FLOOR	R. Schaffer	10	2	SUB		3.47 FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS															
FIREMAN			1	SUB		10.94 FT.	WEIGHT	8.9	8.8	8.9																				
MECHANIC			3	BIT OR C.B.		13.03 FT.	VISCOSITY	40	38	40	ADDITIVES																			
INJURIES			1	SUB		6.03 FT.	PUMP PRESSURE	1200	1200		Shell 3500																			
TOTAL			828 FT.													Caustic 150					Plaster 30 sac					Saw Dust 150 sac				
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS																											
DRILLER	W.B. Lynch	4	FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS DEGREES	REMARKS	TIME											
DERRICK	R. MacGregor	4	NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION	START	STOP	INT VAL								
FLOOR	M. McLean	4	2	SINGLES		186.76 FT.																								
FLOOR	E. Lemieux	4	1	SINGLES		31.32 FT.																								
FLOOR	W. Dennis	4	19	D.C.'S		567.73 FT.																								
FLOOR		4	2	SUB		3.47 FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS															
FIREMAN			1	SUB		10.94 FT.	WEIGHT																							
MECHANIC			1	BIT OR C.B.		6.03 FT.	VISCOSITY				ADDITIVES																			
INJURIES			3	SUB		13.03 FT.	PUMP PRESSURE																							
TOTAL			854 FT.													First load @ 130 P.M.					went to bed till 130.									
DRILL PIPE SIZE			4 1/2		TYPE		F.H.		TOTAL NO. OF JOINTS		218		DATE LAST SONOSCOPIED		FOOTAGE DRILLED SINCE LAST SONOSCOPIED		8440		TOTAL FOOTAGE DRILLED				LAST CALIPER DATE		RESULTS		CODE LETTER OF STRING			
B.O.P.S. TESTED			Mar 23 / 73		ELAPSED TIME		closed opened		PRESSURE		mill		RESULTS		0.5		TOTCO RING ON BIT NO.						TOOLPUSHER		B. Lynch		APPROVED BY		L. Dicks	

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE		STROKE LENGTH	
TOUR NO. 1			Emoco		D-300		144	
TOUR NO. 2			Emoco		D-175		12	
TOUR NO. 3			Emoco		D-175		12	
TOUR NO. 4			Emoco		D-175		12	
TOUR NO. 5			Emoco		D-175		12	
TOUR NO. 6			Emoco		D-175		12	
TOUR NO. 7			Emoco		D-175		12	
TOUR NO. 8			Emoco		D-175		12	
TOUR NO. 9			Emoco		D-175		12	
TOUR NO. 10			Emoco		D-175		12	
TOUR NO. 11			Emoco		D-175		12	
TOUR NO. 12			Emoco		D-175		12	
TOUR NO. 13			Emoco		D-175		12	
TOUR NO. 14			Emoco		D-175		12	
TOUR NO. 15			Emoco		D-175		12	
TOUR NO. 16			Emoco		D-175		12	
TOUR NO. 17			Emoco		D-175		12	
TOUR NO. 18			Emoco		D-175		12	
TOUR NO. 19			Emoco		D-175		12	
TOUR NO. 20			Emoco		D-175		12	
TOUR NO. 21			Emoco		D-175		12	
TOUR NO. 22			Emoco		D-175		12	
TOUR NO. 23			Emoco		D-175		12	
TOUR NO. 24			Emoco		D-175		12	
TOUR NO. 25			Emoco		D-175		12	
TOUR NO. 26			Emoco		D-175		12	
TOUR NO. 27			Emoco		D-175		12	
TOUR NO. 28			Emoco		D-175		12	
TOUR NO. 29			Emoco		D-175		12	
TOUR NO. 30			Emoco		D-175		12	
TOUR NO. 31			Emoco		D-175		12	
TOUR NO. 32			Emoco		D-175		12	
TOUR NO. 33			Emoco		D-175		12	
TOUR NO. 34			Emoco		D-175		12	
TOUR NO. 35			Emoco		D-175		12	
TOUR NO. 36			Emoco		D-175		12	
TOUR NO. 37			Emoco		D-175		12	
TOUR NO. 38			Emoco		D-175		12	
TOUR NO. 39			Emoco		D-175		12	
TOUR NO. 40			Emoco		D-175		12	
TOUR NO. 41			Emoco		D-175		12	
TOUR NO. 42			Emoco		D-175		12	
TOUR NO. 43			Emoco		D-175		12	
TOUR NO. 44			Emoco		D-175		12	
TOUR NO. 45			Emoco		D-175		12	
TOUR NO. 46			Emoco		D-175		12	
TOUR NO. 47			Emoco		D-175		12	
TOUR NO. 48			Emoco		D-175		12	
TOUR NO. 49			Emoco		D-175		12	
TOUR NO. 50			Emoco		D-175		12	
TOUR NO. 51			Emoco		D-175		12	
TOUR NO. 52			Emoco		D-175		12	
TOUR NO. 53			Emoco		D-175		12	
TOUR NO. 54			Emoco		D-175		12	
TOUR NO. 55			Emoco		D-175		12	
TOUR NO. 56			Emoco		D-175		12	
TOUR NO. 57			Emoco		D-175		12	
TOUR NO. 58			Emoco		D-175		12	
TOUR NO. 59			Emoco		D-175		12	
TOUR NO. 60			Emoco		D-175		12	
TOUR NO. 61			Emoco		D-175		12	
TOUR NO. 62			Emoco		D-175		12	
TOUR NO. 63			Emoco		D-175		12	
TOUR NO. 64			Emoco		D-175		12	
TOUR NO. 65			Emoco		D-175		12	
TOUR NO. 66			Emoco		D-175		12	
TOUR NO. 67			Emoco		D-175		12	
TOUR NO. 68			Emoco		D-175		12	
TOUR NO. 69			Emoco		D-175		12	
TOUR NO. 70			Emoco		D-175		12	
TOUR NO. 71			Emoco		D-175		12	
TOUR NO. 72			Emoco		D-175		12	
TOUR NO. 73			Emoco		D-175		12	
TOUR NO. 74			Emoco		D-175		12	
TOUR NO. 75			Emoco		D-175		12	
TOUR NO. 76			Emoco		D-175		12	
TOUR NO. 77			Emoco		D-175		12	
TOUR NO. 78			Emoco		D-175		12	
TOUR NO. 79			Emoco		D-175		12	
TOUR NO. 80			Emoco		D-175		12	
TOUR NO. 81			Emoco		D-175		12	
TOUR NO. 82			Emoco		D-175		12	
TOUR NO. 83			Emoco		D-175		12	
TOUR NO. 84			Emoco		D-175		12	
TOUR NO. 85			Emoco		D-175		12	
TOUR NO. 86			Emoco		D-175		12	
TOUR NO. 87			Emoco		D-175		12	
TOUR NO. 88			Emoco		D-175		12	
TOUR NO. 89			Emoco		D-175		12	
TOUR NO. 90			Emoco		D-175		12	
TOUR NO. 91			Emoco		D-175		12	
TOUR NO. 92			Emoco		D-175		12	
TOUR NO. 93			Emoco		D-175		12	
TOUR NO. 94			Emoco		D-175		12	
TOUR NO. 95			Emoco		D-175		12	
TOUR NO. 96			Emoco		D-175		12	
TOUR NO. 97			Emoco		D-175		12	
TOUR NO. 98			Emoco		D-175		12	
TOUR NO. 99			Emoco		D-175		12	
TOUR NO. 100			Emoco		D-175		12	

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

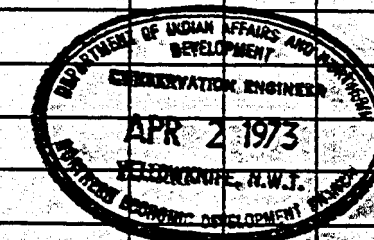
MANUFACTURER			TYPE			STROKE LENGTH			LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		DATE		REPORT NO.																		
NO. 1 Emeco			D 300			14"			9 3/8		508		Mar 21 73		Mesa Murphy & COA Hanna Kin		Mar 21 /73		5																		
NO. 2 Emeco			D 175			12			9 3/8		508		RIG NO. 11		LOCATION LSD. 65 SEC. 50' TWP. 128° RGE. 15'		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.																				
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS			510		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES		REMARKS		TIME	
DRILLER W. B. Lynch			8																															START STOP INT VAL			
DERRICK R. MacGregor			8																																		
FLOOR M. McLean			8																																		
FLOOR E. Lemieux			8																																		
FLOOR W. Dennis			8																																		
FIREMAN																																					
MECHANIC																																					
INJURIES																																					
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS			510		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES		REMARKS		TIME	
DRILLER J. Boyko			12																																		
DERRICK R. Lang			12																																		
FLOOR V. Simicki			12																																		
FLOOR R. Heshauer			12																																		
FLOOR R. Schaffer			12																																		
FIREMAN																																					
MECHANIC																																					
INJURIES																																					
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS			510		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES		REMARKS		TIME	
DRILLER W. B. Lynch			4																																		
DERRICK R. MacGregor			4																																		
FLOOR M. McLean			4																																		
FLOOR E. Lemieux			4																																		
FLOOR W. Dennis			4																																		
FIREMAN																																					
MECHANIC																																					
INJURIES																																					
DRILL PIPE SIZE			TYPE			TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED		FOOTAGE DRILLED SINCE LAST SONOSCOPED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS		CODE LETTER OF STRING		TOOLPUSHER		APPROVED BY															
B.O.P.'S TESTED						ELAPSED TIME				PRESSURE		RESULTS		TOTCO RING ON BIT NO.																							

TOOLPUSHER *B. Lynch*
 APPROVED BY *E. Hicks*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Mar 20</u>		WELL NAME <u>MESA MURPHY GCOA HANNAH RIV JS</u>		DATE <u>Mar 20</u>		REPORT NO. <u>4</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO.		LOCATION LSD. <u>65°</u> SEC. <u>50'</u> TWP. <u>128°</u> RGE. <u>15'</u>	
NO. 1 <u>EMCO</u>	<u>300</u>	<u>14</u>								
NO. 2 <u>EMCO</u>	<u>175</u>	<u>12</u>								
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS			<u>471</u>	<u>39</u>	<u>510</u>	<u>3</u>				
DRILLER <u>W.B. LYNCH</u>	<u>12</u>									
DERRICK <u>R. Mc GREGOR</u>	<u>12</u>									
FLOOR <u>M. Mc LEAN</u>	<u>12</u>									
FLOOR <u>E. LEMIEUX</u>	<u>12</u>									
FLOOR <u>W. DENNIS</u>	<u>12</u>									
FIREMAN										
MECHANIC										
INJURIES										
TOUR NO. 2 8 A.M. TO 4 P.M. HOURS			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS
DRILLER <u>J. Boyko</u>	<u>12</u>									
DERRICK <u>R. LANG</u>	<u>12</u>									
FLOOR <u>V. SIWICKI</u>	<u>12</u>									
FLOOR <u>R. BEISBAUER</u>	<u>12</u>									
FLOOR <u>A. SCHAEFFER</u>	<u>12</u>									
FIREMAN										
MECHANIC										
INJURIES										
TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS
DRILLER <u>W.B. LYNCH</u>	<u>4</u>									
DERRICK <u>R. Mc GREGOR</u>	<u>4</u>									
FLOOR <u>M. Mc LEAN</u>	<u>4</u>									
FLOOR <u>E. LEMIEUX</u>	<u>4</u>									
FLOOR <u>W. DENNIS</u>	<u>4</u>									
FIREMAN										
MECHANIC										
INJURIES										



TOOLPUSHER Blair Lynch
 APPROVED BY Hicks

REGENT DRILLING LIMITED

DAY WORK RECORD

[illegible]

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1 EMCO	300	14
NO. 2 EMCO	175	12

LAST CASING SIZE LAST CASING SET AT

DATE Mar 18 / 73

WELL NAME MESA Murphy GOLF RIVER JS

DATE Mar 18 / 73

REPORT NO. 2

RIG NO. 11

LOCATION LSD. 65° 50' 128° 15' N.W.T.

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

EACH EMPLOYEE MUST SIGN THIS BOOK

TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S		D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS		DEGREE	
64.62		2912	9374	4						8	0	0	0	2350	Mar 18	64 62	314°		
																93 00	1°		
NO.	DRILLING STRING			BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
	STANDS		FT.	1A	12 1/4	3-20	MB 668	DEHS	2000	130	0	93.74	93.74	09					
	SINGLES		FT.																
1	D.C.'S	2912	FT.																
2	CHANG SUB CHANG	2.60	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE		PH	GENERAL REMARKS						
1	SUB JARS	7.60	FT.	WEIGHT	9.1	9.1	9.1	9.0					FUEL 3'						
1	BELL SUB	10.90	FT.	VISCOSITY	79	90	90	82	ADDITIVES										
1	BELL SUB	1.65	FT.	PUMP PRESSURE	300	300	300	1800	GEL										
	KELLY IN	211.60	FT.	R.P.M. PUMP NO. 1			50	50	150" CAUSTIC										
				R.P.M. PUMP NO. 2		JET													
TOTAL			93.74	FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS	START	STOP	INT VAL
Mix MUD & W.D. Toled Clock	12:00	3:30	3 1/2
SURVEY	3:30	3:45	1/4
DRILL 12 1/4 hole	3:45	7:15	3 1/2
SURVEY	7:15	7:30	1/4
DRILL 12 1/4 hole	7:30	8:00	1/2

TOUR NO. 2 8 A.M. TO 4 P.M. HOURS

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES						
93	89	182	7 1/4	18M	4-6 1/4	12M		8	0	0	0	2250		120	30						
														180	4						
														180	30						
															4						
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION				
	STANDS		FT.	1A	12 1/4	3-20	MA 668	DEHS	1200	160/120	0	182	182	18 1/2							
	SINGLES		FT.																		
4	D.C.'S		117.83	FT.																	
2	SUB JARS		3.47	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS								
1	SUB SHOCK		10.90	FT.	WEIGHT								CHECK MOTOR SHUT OFF'S O.K.								
1	BIT DR C.B.		7.60	FT.	VISCOSITY	89	93	105	98	ADDITIVES											
1	BELL SUB		1.65	FT.	PUMP PRESSURE	300	300	300	300	GEL 2600#											
	KELLY IN		41.00	FT.	R.P.M. PUMP NO.1	50	48	46	46	CAUSTIC 50#											
					R.P.M. PUMP NO.2																
					PUMP NO. 1 LINER SIZE																
					PUMP NO. 2 LINER SIZE																
TOTAL			182.45	FT.																	

REMARKS	START	STOP	INT VAL
DRILL	8:00	10:00	2 2
Rig SERVICE + SURVEY	10:00	10:30	1/2
DRILL	10:30	3:45	5 1/4 5 1/4
SURVEY	3:45	4:00	1/4

TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
182		60	242	4 1/2	187	4-6 3/4	127		8	.								
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
	STANDS		FT.	1A	12 1/4	3-20	MA 668	DEHS	1200	10/120	0	242	242	20 3/4				
	SINGLES		FT.															
6	D.C.'S	177.30	FT.															
2	SUB	C/O	3.47	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS					
1	SUB	SHOCK	10.90	FT.	WEIGHT													
1	BIT DR C.B.	JARS	7.80	FT.	VISCOSITY	100	96	90		ADDITIVES								
1	BELL		1.65	FT.	PUMP PRESSURE	300	300	300										
	KELLY IN		41.80	FT.	R.P.M. PUMP NO. 1	46	46	46										
					R.P.M. PUMP NO. 2													
TOTAL		242.12	FT.	PUMP NO. 1			PUMP NO. 2											

REMARKS	START	STOP	INT VAL
DRILL	4:00	8:30	4 1/2
Rig SER & SURVEY	8:30	9:00	1/2
TRIP OUT	9:00	9:30	1/2
BREAK down SUBS + pick up stabilizer	9:30		
+ small D.C. + make up SAME		11:00	1 1/2
RUN IN	11:00	12:00	1

DRILL PIPE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPIED	FOOTAGE DRILLED SINCE LAST SONOSCOPIED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
BOSS TESTED								
ELAPSED TIME								
PRESSURE								
RESULTS								
TOTCO RING ON BIT NO.								

TOOLPUSHER Blaine Lyrik
APPROVED BY E. Dick

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			DATE <u>Mar 17 / 73</u>		WELL NAME <u>MESA MURPH CAOF HANNA RIVER JS</u>		DATE <u>Mar 17 / 73</u>		REPORT NO. <u>1</u>	
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		RIG NO. <u>11</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____	
NO. 1 <u>FMCO</u>	<u>300</u>	<u>14</u>								
NO. 2 <u>FMCO</u>	<u>175</u>	<u>12</u>								
EACH EMPLOYEE MUST SIGN THIS BOOK			FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS
TOUR NO. 1 MIDNIGHT TO 8 A.M.										
DRILLER <u>W.B. LYNCH</u>	<u>12</u>									
DERRICK <u>R. M^c GREGOR</u>	<u>12</u>									
FLOOR <u>M. M^c LEAN</u>	<u>12</u>									
FLOOR <u>E. LEMIEUX</u>	<u>12</u>									
FLOOR <u>W. DENNIS</u>	<u>12</u>									
FIREMAN										
MECHANIC										
INJURIES <u>worked over to put up frame work of Garage</u>										
TOUR NO. 2 8 A.M. TO 4 P.M.										
DRILLER <u>J. Boyko</u>	<u>12</u>									
DERRICK <u>R. LANG</u>	<u>12</u>									
FLOOR <u>V. SIWICKI</u>	<u>12</u>									
FLOOR <u>R. GEISBAUER</u>	<u>16</u>									
FLOOR <u>R. SCHAFFER</u>	<u>12</u>									
FIREMAN										
MECHANIC										
INJURIES										
TOUR NO. 3 4 P.M. TO MIDNIGHT										
DRILLER <u>W.B. LYNCH</u>	<u>4</u>									
DERRICK <u>R. M^c GREGOR</u>	<u>4</u>									
FLOOR <u>M. M^c LEAN</u>	<u>4</u>									
FLOOR <u>E. LEMIEUX</u>	<u>4</u>									
FLOOR <u>W. DENNIS</u>	<u>4</u>									
FIREMAN										
MECHANIC										
INJURIES										

DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPE	FOOTAGE DRILLED SINCE LAST SONOSCOPE	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE	RESULTS	TOTCO RING ON BIT NO.		

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE		STROKE LENGTH	
NO. 1								
NO. 2								
EACH EMPLOYEE MUST SIGN THIS BOOK			LAST CASING SIZE		LAST CASING SET AT		DATE <u>Mar 16</u>	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			RIG NO. <u>11</u>		LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____		WELL NAME <u>MESA MURPH CAGE HANNA RIVER JS</u> DATE <u>Mar 16</u> REPORT NO. _____	
DRILLER <u>W.B. LYNCH</u>			FROM		FOOTAGE		TOTAL DEPTH	
DERRICK <u>R. MAC GREGOR</u>			NO.		DRILLING STRING		BITS RUN NO.	
FLOOR <u>M. McLEAN</u>			STANDS		FT.		SIZE	
FLOOR <u>E. LEMIEUX</u>			SINGLES		FT.		NOZZLE SIZE	
FLOOR <u>W. DENNIS</u>			D.C.'S		FT.		SERIAL NO.	
FIREMAN			SUB		FT.		TYPE	
MECHANIC			BIT OR C.B.		FT.		WEIGHT	
INJURIES			KELLY IN		FT.		RPM	
TOTAL			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		GENERAL REMARKS	
TOUR NO. 2 8 A.M. TO 4 P.M.			FROM		FOOTAGE		TOTAL DEPTH	
DRILLER <u>J. Boyko</u>			NO.		DRILLING STRING		BITS RUN NO.	
DERRICK <u>R. LANG</u>			STANDS		FT.		SIZE	
FLOOR <u>V. SIKICKI</u>			SINGLES		FT.		NOZZLE SIZE	
FLOOR <u>A. LEISBAUER</u>			D.C.'S		FT.		SERIAL NO.	
FLOOR <u>B. SCHAEFFER</u>			SUB		FT.		TYPE	
FIREMAN			BIT OR C.B.		FT.		WEIGHT	
MECHANIC			KELLY IN		FT.		RPM	
INJURIES			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		GENERAL REMARKS	
TOTAL			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		GENERAL REMARKS	
TOUR NO. 3 4 P.M. TO MIDNIGHT			FROM		FOOTAGE		TOTAL DEPTH	
DRILLER <u>W.B. LYNCH</u>			NO.		DRILLING STRING		BITS RUN NO.	
DERRICK <u>R. MAC GREGOR</u>			STANDS		FT.		SIZE	
FLOOR <u>M. McLEAN</u>			SINGLES		FT.		NOZZLE SIZE	
FLOOR <u>E. LEMIEUX</u>			D.C.'S		FT.		SERIAL NO.	
FLOOR <u>W. DENNIS</u>			SUB		FT.		TYPE	
FIREMAN			BIT OR C.B.		FT.		WEIGHT	
MECHANIC			KELLY IN		FT.		RPM	
INJURIES			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		GENERAL REMARKS	
TOTAL			PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE		GENERAL REMARKS	
DRILL PIPE SIZE			TYPE		TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED	
B.O.P.'S TESTED			ELAPSED TIME		PRESSURE		RESULTS	
LAST CALIPER DATE			RESULTS		CODE LETTER OF STRING		TOOLPUSHER <u>B. Lamy Lynch</u>	
TOTCO RING ON BIT NO.			APPROVED BY <u>Decks</u>					

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1		
NO. 2		

DATE Mar 15 / 73

WELL NAME Mesa Murph CAOG Hanna Riv J.5

DATE Mar 15 / 73

REPORT NO. _____

RIG NO. 11

LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

EACH EMPLOYEE MUST SIGN THIS BOOK
TOUR NO. 1 MIDNIGHT TO 8 A.M. HOURS

DRILLER
DERRICK
FLOOR
FLOOR
FLOOR
FIREMAN
MECHANIC
INJURIES

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		LOCATION		ESD.	SEC.	TWP.	RGE.	SURVEYS		DEGREE
											TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT		
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION	
	STANDS	FT.																	
	SINGLES	FT.																	
	D.C.'S	FT.																	
	SUB	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS								
	SUB	FT.	WEIGHT																
	BIT OR C.B.	FT.	VISCOSITY					ADDITIVES											
		FT.	PUMP PRESSURE																
	KELLY IN	FT.	R.P.M. PUMP NO.1																
			R.P.M. PUMP NO.2																
TOTAL			FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE												

REMARKS

TIME
START STOP INT VAL

TOUR NO. 2
8 A.M. TO 4 P.M. HOURS

DRILLER J. Boyko
DERRICK R. LANG
FLOOR V. SIWICKI
FLOOR R. BOISBAUER
FLOOR R. SCHAEFFER
FIREMAN
MECHANIC
INJURIES

FROM		FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS		NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT	SURVEYS	DEGREES
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAM-ED TO	CONDIT-ION
	STANDS	FT.																
	SINGLES	FT.																
	D.C.'S	FT.																
	SUB	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
	SUB	FT.	WEIGHT								Started Naperville Boiler @ 1							
	BIT OR C.B.	FT.	VISCOSITY					ADDITIVES										
		FT.	PUMP PRESSURE															
	KELLY IN	FT.	R.P.M. PUMP NO.1															
			R.P.M. PUMP NO.2															
TOTAL			FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2												

REMARKS

8.00 12.00 16

TOUR NO. 3
4 P.M. TO MIDNIGHT HOURS

DRILLER W.B. LYNCH
DERRICK R. Mc GREGOR
FLOOR Mc LEAN
FLOOR E. LEMIEUX
FLOOR W. DENNIS
FIREMAN
MECHANIC
INJURIES

FROM			FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS		DEGREES
NO.	DRILLING STRING		BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDITION
	STANDS		FT.															
	SINGLES		FT.															
	D.C.'S		FT.															
	SUB		FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
	SUB		FT.	WEIGHT														
	BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
			FT.	PUMP PRESSURE														
	KELLY IN		FT.	R.P.M. PUMP NO. 1														
				R.P.M. PUMP NO. 2														
TOTAL			FT.	PUMP NO. 1 LINER SIZE		PUMP NO. 2 LINER SIZE												

REMARKS

8.00 5.00 9

DRILL PIPE SIZE	TYPE	TOTAL NO. OF JOINTS	DATE LAST SONOSCOPED	FOOTAGE DRILLED SINCE LAST SONOSCOPED	TOTAL FOOTAGE DRILLED	LAST CALIPER DATE	RESULTS	CODE LETTER OF STRING
B.O.P.'S TESTED	ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.				

TOOLPUSHER Blaine Lynch
APPROVED BY E. Deeks

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		RIG NO.		LOCATION		SEC.	TWP.	RGE.	REPORT NO.	
TOUR NO. 1			NO. 1								Mar 14	Mesa Murphy C.A. O.C.P. 15										
TOUR NO. 2			NO. 2																			
TOUR NO. 3			NO. 3																			
TOUR NO. 4			NO. 4																			
TOUR NO. 5			NO. 5																			
TOUR NO. 6			NO. 6																			
TOUR NO. 7			NO. 7																			
TOUR NO. 8			NO. 8																			
TOUR NO. 9			NO. 9																			
TOUR NO. 10			NO. 10																			
TOUR NO. 11			NO. 11																			
TOUR NO. 12			NO. 12																			
TOUR NO. 13			NO. 13																			
TOUR NO. 14			NO. 14																			
TOUR NO. 15			NO. 15																			
TOUR NO. 16			NO. 16																			
TOUR NO. 17			NO. 17																			
TOUR NO. 18			NO. 18																			
TOUR NO. 19			NO. 19																			
TOUR NO. 20			NO. 20																			
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TOUR NO. 28			NO. 28																			
TOUR NO. 29			NO. 29																			
TOUR NO. 30			NO. 30																			
TOUR NO. 31			NO. 31																			
TOUR NO. 32			NO. 32																			
TOUR NO. 33			NO. 33																			
TOUR NO. 34			NO. 34																			
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TOUR NO. 36			NO. 36																			
TOUR NO. 37			NO. 37																			
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TOUR NO. 41			NO. 41																			
TOUR NO. 42			NO. 42																			
TOUR NO. 43			NO. 43																			
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TOUR NO. 67			NO. 67																			
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TOUR NO. 89			NO. 89																			
TOUR NO. 90			NO. 90																			
TOUR NO. 91			NO. 91																			
TOUR NO. 92			NO. 92																			
TOUR NO. 93			NO. 93																			
TOUR NO. 94			NO. 94																			
TOUR NO. 95			NO. 95																			
TOUR NO. 96			NO. 96																			
TOUR NO. 97			NO. 97																			
TOUR NO. 98			NO. 98																			
TOUR NO. 99			NO. 99																			
TOUR NO. 100			NO. 100																			

TOOLPUSHER *Blaine Lynch*
 APPROVED BY *E. Hicks*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS																
MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT											
No. 1																
No. 2																
EACH EMPLOYEE MUST SIGN THIS BOOK TOUR NO.1 MIDNIGHT TO 8 A.M.							HOURS									
DRILLER																
DERRICK																
FLOOR																
FLOOR																
FLOOR																
FIREMAN																
MECHANIC																
INJURIES																
TOTAL																
TOUR NO. 2 8 A.M. TO 4 P.M.							HOURS									
DRILLER J. Boyke							13									
DERRICK R. Lang							13									
FLOOR V. Siwicki							13									
FLOOR R. Leisbauer							13									
FLOOR R. Schaeffer							13									
FIREMAN																
MECHANIC																
INJURIES																
TOTAL																
TOUR NO. 3 4 P.M. TO MIDNIGHT							HOURS									
DRILLER W.B. Lynch							19									
DERRICK B. MacLagan							19									
FLOOR M. McLean							13									
FLOOR E. Lemieux							12									
FLOOR W. Dennis							13									
FIREMAN																
MECHANIC																
INJURIES																
TOTAL																
B.O.P.'S TESTED							ELAPSED TIME	PRESSURE	RESULTS	TOTCO RING ON BIT NO.						

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	DATE	REPORT NO.	
NO. 1											Mar 12/73	Mesa Murphy GAOB Riv J.S.	Mar. 12 / 73		
NO. 2															
EACH EMPLOYEE MUST SIGN THIS BOOK															
TOUR NO.1 MIDNIGHT TO 8 A.M.		HOURS													
DRILLER		W. B. Lynch		3											
DERRICK		R. MacGregor		3											
FLOOR															
FLOOR		E. Lemieux		3											
FLOOR															
FIREMAN															
MECHANIC															
INJURIES															
TOTAL															
TOUR NO. 2		8 A.M. TO 4 P.M.		HOURS											
DRILLER		J. Bayko		12											
DERRICK		R. Lang		12											
FLOOR		V. Sivicki		12											
FLOOR		R. Heislauer		12											
FLOOR		R. Schaffer		12											
FIREMAN															
MECHANIC															
INJURIES															
TOTAL															
TOUR NO. 3		4 P.M. TO MIDNIGHT		HOURS											
DRILLER		W. B. Lynch		15											
DERRICK		R. MacGregor		15											
FLOOR		M. McLean		12											
FLOOR		E. Lemieux		12											
FLOOR		W. Dennis		12											
FIREMAN															
MECHANIC															
INJURIES															
TOTAL															
DRILL PIPE SIZE		TYPE		TOTAL NO. OF JOINTS		DATE LAST SONOSCOPIED		FOOTAGE DRILLED SINCE LAST SONOSCOPIED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS	
B.O.P.'S TESTED		ELAPSED TIME		PRESSURE		RESULTS		TOTCO RING ON BIT NO.		TOOLPUSHER		APPROVED BY			

TOOLPUSHER *Blaine Lynch*
 APPROVED BY *E. Hicks*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE		STROKE LENGTH	
NO. 1								
NO. 2								
DATE <u>Mar 11/73</u>			WELL NAME <u>Mesa Murphy GAOE Riv J.S.</u>			DATE <u>Mar 11/73</u>		
RIG NO. <u>11</u>			LOCATION <u>LSO</u>			SEC. <u></u> TWP. <u></u> RGE. <u></u>		
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS			REMARKS		
DRILLER <u>W.B. Lynch</u>			3			8:00		
DERRICK <u>R. MacLugan</u>			3			12:00 3:00 3		
FLOOR <u>W. McLean</u>						Watch camp stores + fuel up		
FLOOR <u>R. Schaffer</u>						camp + pile cement. M. McLean		
FIREMAN								
MECHANIC								
INJURIES								
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS			REMARKS		
DRILLER <u>J. Boyko</u>			12			8:00		
DERRICK <u>R. Lang</u>			12			Put camp roof on + walls		
FLOOR <u>V. Simicki</u>			12			Put back to - gether +		
FLOOR <u>R. Heiskanen</u>			12			A legs together + pin to		
FLOOR <u>R. Schaffer</u>			12			bottom section of Derrick		
FIREMAN						block up recreation room		
MECHANIC						+ last slopes.		
INJURIES <u>J. Boyko</u>						Put sandlust on pad		
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS			REMARKS		
DRILLER <u>W.B. Lynch</u>			16			12:00 16		
DERRICK <u>R. MacLugan</u>			16			travel back to mile 6.41 with		
FLOOR <u>W. McLean</u>			12			trucks + load up		
FLOOR <u>E. Lemieux</u>			16					
FLOOR <u>W. Dennis</u>			12					
FIREMAN								
MECHANIC								
INJURIES								
TOOLPUSHER <u>B. Laine Lynch</u>								
APPROVED BY <u>E. Hicks</u>								

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE		REPORT NO.	
TOUR NO. 1 MIDNIGHT TO 8 A.M.			HOURS														
DRILLER																	
DERRICK																	
FLOOR																	
FLOOR																	
FLOOR																	
FIREMAN																	
MECHANIC																	
INJURIES																	
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS														
DRILLER																	
DERRICK																	
FLOOR																	
FLOOR																	
FLOOR																	
FIREMAN																	
MECHANIC																	
INJURIES																	
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS														
DRILLER																	
DERRICK																	
FLOOR																	
FLOOR																	
FLOOR																	
FIREMAN																	
MECHANIC																	
INJURIES																	

TOOLPUSHER *Blainy Lynch*
 APPROVED BY *E. Hicks*

REGENT DRILLING LIMITED.

DAY WORK RECORD

REPORT NO.

PLEASE SHOW FOOTAGE MADE WHILE

"CONTROL DRILLING" AS WELL AS HOURS

AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

[illegible]

DAY WORK RECORD

TOOLPUSHER Blaine Lynch

APPROVED BY E. Dick

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS										DAY WORK RECORD											
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		DATE		REPORT NO.					
NO. 1										Mar 7 23		Mesa Murphy GAOG Rin J5		Mar 7/23							
NO. 2										RIG NO. 11		LOCATION LSD.		SEC.		TWP. RGE.					
EACH EMPLOYEE MUST SIGN THIS BOOK										PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.											
TOUR NO.1 MIDNIGHT TO 8 A.M.										REMARKS										TIME	
DRILLER																				START STOP INT VAL	
DERRICK																					
FLOOR																					
FLOOR																					
FLOOR																					
FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 2 8 A.M. TO 4 P.M.										REMARKS											
DRILLER W.B. Lynch 12																					
DERRICK R. MacGregor 12																					
FLOOR M. McLean 12																					
FLOOR																					
FLOOR																					
FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 3 4 P.M. TO MIDNIGHT										REMARKS											
DRILLER																					
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FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 4 MIDNIGHT TO 8 A.M.										REMARKS											
DRILLER																					
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FIREMAN																					
MECHANIC																					
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TOUR NO. 5 8 A.M. TO 4 P.M.										REMARKS											
DRILLER																					
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TOUR NO. 6 4 P.M. TO MIDNIGHT										REMARKS											
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TOUR NO. 7 MIDNIGHT TO 8 A.M.										REMARKS											
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FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 8 8 A.M. TO 4 P.M.										REMARKS											
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TOUR NO. 9 4 P.M. TO MIDNIGHT										REMARKS											
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TOUR NO. 10 MIDNIGHT TO 8 A.M.										REMARKS											
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FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 11 8 A.M. TO 4 P.M.										REMARKS											
DRILLER																					
DERRICK																					
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FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 12 4 P.M. TO MIDNIGHT										REMARKS											
DRILLER																					
DERRICK																					
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FLOOR																					
FIREMAN																					
MECHANIC																					
INJURIES																					
TOUR NO. 13 MIDNIGHT TO 8 A.M.										REMARKS											
DRILLER																					
DERRICK																					
FLOOR																					

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME	DATE	REPORT NO.
TOUR NO. 1 MIDNIGHT TO 8 A.M.											Mar 6 73	Mesa Murphy GAOC Riv J 5	Mar 6 73	
TOUR NO. 2 8 A.M. TO 4 P.M.														
TOUR NO. 3 4 P.M. TO MIDNIGHT														
TOUR NO. 4 8 A.M. TO 4 P.M.														
TOUR NO. 5 4 P.M. TO MIDNIGHT														
TOUR NO. 6 8 A.M. TO 4 P.M.														
TOUR NO. 7 4 P.M. TO MIDNIGHT														
TOUR NO. 8 8 A.M. TO 4 P.M.														
TOUR NO. 9 4 P.M. TO MIDNIGHT														
TOUR NO. 10 8 A.M. TO 4 P.M.														
TOUR NO. 11 4 P.M. TO MIDNIGHT														
TOUR NO. 12 8 A.M. TO 4 P.M.														
TOUR NO. 13 4 P.M. TO MIDNIGHT														
TOUR NO. 14 8 A.M. TO 4 P.M.														
TOUR NO. 15 4 P.M. TO MIDNIGHT														
TOUR NO. 16 8 A.M. TO 4 P.M.														
TOUR NO. 17 4 P.M. TO MIDNIGHT														
TOUR NO. 18 8 A.M. TO 4 P.M.														
TOUR NO. 19 4 P.M. TO MIDNIGHT														
TOUR NO. 20 8 A.M. TO 4 P.M.														
TOUR NO. 21 4 P.M. TO MIDNIGHT														
TOUR NO. 22 8 A.M. TO 4 P.M.														
TOUR NO. 23 4 P.M. TO MIDNIGHT														
TOUR NO. 24 8 A.M. TO 4 P.M.														
TOUR NO. 25 4 P.M. TO MIDNIGHT														
TOUR NO. 26 8 A.M. TO 4 P.M.														
TOUR NO. 27 4 P.M. TO MIDNIGHT														
TOUR NO. 28 8 A.M. TO 4 P.M.														
TOUR NO. 29 4 P.M. TO MIDNIGHT														
TOUR NO. 30 8 A.M. TO 4 P.M.														
TOUR NO. 31 4 P.M. TO MIDNIGHT														
TOUR NO. 32 8 A.M. TO 4 P.M.														
TOUR NO. 33 4 P.M. TO MIDNIGHT														
TOUR NO. 34 8 A.M. TO 4 P.M.														
TOUR NO. 35 4 P.M. TO MIDNIGHT														
TOUR NO. 36 8 A.M. TO 4 P.M.														
TOUR NO. 37 4 P.M. TO MIDNIGHT														
TOUR NO. 38 8 A.M. TO 4 P.M.														
TOUR NO. 39 4 P.M. TO MIDNIGHT														
TOUR NO. 40 8 A.M. TO 4 P.M.														
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TOUR NO. 43 4 P.M. TO MIDNIGHT														
TOUR NO. 44 8 A.M. TO 4 P.M.														
TOUR NO. 45 4 P.M. TO MIDNIGHT														
TOUR NO. 46 8 A.M. TO 4 P.M.														
TOUR NO. 47 4 P.M. TO MIDNIGHT														
TOUR NO. 48 8 A.M. TO 4 P.M.														
TOUR NO. 49 4 P.M. TO MIDNIGHT														
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TOUR NO. 78 8 A.M. TO 4 P.M.														
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TOUR NO. 86 8 A.M. TO 4 P.M.														
TOUR NO. 87 4 P.M. TO MIDNIGHT														
TOUR NO. 88 8 A.M. TO 4 P.M.														
TOUR NO. 89 4 P.M. TO MIDNIGHT														
TOUR NO. 90 8 A.M. TO 4 P.M.														
TOUR NO. 91 4 P.M. TO MIDNIGHT														
TOUR NO. 92 8 A.M. TO 4 P.M.														
TOUR NO. 93 4 P.M. TO MIDNIGHT														
TOUR NO. 94 8 A.M. TO 4 P.M.														
TOUR NO. 95 4 P.M. TO MIDNIGHT														
TOUR NO. 96 8 A.M. TO 4 P.M.														
TOUR NO. 97 4 P.M. TO MIDNIGHT														
TOUR NO. 98 8 A.M. TO 4 P.M.														
TOUR NO. 99 4 P.M. TO MIDNIGHT														
TOUR NO. 100 8 A.M. TO 4 P.M.														

TOOLPUSHER *B. L. Lynch*
 APPROVED BY *B. L. Lynch*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS			MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE	WELL NAME		DATE		REPORT NO.
NO. 1											Mar 5/73	Mesa Murphy GAOG Km J.5		Mar 5/73		
NO. 2																
EACH EMPLOYEE MUST SIGN THIS BOOK											RIG NO. 11		LOCATION LSD. SEC. TWP. RGE.		PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.	
TOUR NO.1 MIDNIGHT TO 8 A.M.			HOURS													
DRILLER																
DERRICK																
FLOOR																
FLOOR																
FLOOR																
FIREMAN																
MECHANIC																
INJURIES																
TOTAL																
TOUR NO. 2 8 A.M. TO 4 P.M.			HOURS													
DRILLER			W.B. Lynch 10													
DERRICK			R. McLean 10													
FLOOR			M. McLean 10													
FLOOR																
FLOOR																
FIREMAN																
MECHANIC																
INJURIES																
TOTAL																
TOUR NO. 3 4 P.M. TO MIDNIGHT			HOURS													
DRILLER																
DERRICK																
FLOOR																
FLOOR																
FLOOR																
FIREMAN																
MECHANIC																
INJURIES																
TOTAL																
DRILL PIPE SIZE			TYPE		TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED		FOOTAGE DRILLED SINCE LAST SONOSCOPED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS	
B.O.P.'S TESTED			ELAPSED TIME		PRESSURE		RESULTS		TOTCO RING ON BIT NO.							
TOOLPUSHER			Blayne Lynch													
APPROVED BY			J. Hicks													

TOOLPUSHER Blayne Lynch

APPROVED BY J. Hicks

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER		TYPE	STROKE LENGTH	LAST CASING SIZE		LAST CASING SET AT		DATE <u>Mar 4/73</u>		WELL NAME <u>Mrs Murphy GAOE Riv T.5.</u>		DATE <u>Mar 4/73</u>		REPORT NO.																																	
EACH EMPLOYEE MUST SIGN THIS BOOK				FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES		REMARKS		TIME		START		STOP		INT VAL			
TOUR NO. 1 MIDNIGHT TO 8 A.M.				NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT		RPM		FOOTAGE FROM		FOOTAGE TO		FOOTAGE		HOURS		CORED FROM		CORED TO		REAMED FROM		REAMED TO		CONDIT-ION									
DRILLER				STANDS		FT.																																									
DERRICK				SINGLES		FT.																																									
FLOOR				D.C.'S		FT.																																									
FLOOR				SUB		FT.		MUD		12 MID.		2 A.M.		4 A.M.		6 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS																							
FIREMAN				SUB		FT.		WEIGHT																																							
MECHANIC				BIT OR C.B.		FT.		VISCOSITY										ADDITIVES																													
INJURIES				KELLY IN		FT.		PUMP PRESSURE																																							
TOTAL				PUMP NO. 1 LINER SIZE		FT.		PUMP NO. 2 LINER SIZE																																							
TOUR NO. 2 8 A.M. TO 4 P.M.				FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES		REMARKS											
DRILLER <u>W.B. Lynch</u>				12		NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT		RPM		FOOTAGE FROM		FOOTAGE TO		FOOTAGE		HOURS		CORED FROM		CORED TO		REAMED FROM		REAMED TO		CONDIT-ION							
DERRICK <u>R. MacGregor</u>				12		STANDS		FT.																																							
FLOOR <u>M. McLean</u>				12		SINGLES		FT.																																							
FLOOR				D.C.'S		FT.																																									
FLOOR				SUB		FT.		MUD		8 A.M.		10 A.M.		12 NOON		2 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS																							
FIREMAN				SUB		FT.		WEIGHT																																							
MECHANIC				BIT OR C.B.		FT.		VISCOSITY										ADDITIVES																													
INJURIES				KELLY IN		FT.		PUMP PRESSURE																																							
TOTAL				PUMP NO. 1 LINER SIZE		FT.		PUMP NO. 2 LINER SIZE																																							
TOUR NO. 3 4 P.M. TO MIDNIGHT				FROM		FOOTAGE		TOTAL DEPTH		HOURS ON BOTTOM		DRILL PIPE WEIGHT		NO. AND SIZE OF D.C.'S		D.C. WEIGHT		TRIPS		NO OF LINES		TOTAL TON MILES		LINE CUT FEET		AT MILES		FEET LEFT ON SPOOL		DATE OF LAST CUT		AT SURVEYS		DEGREES		REMARKS											
DRILLER				NO.		DRILLING STRING		BITS RUN NO.		SIZE		NOZZLE SIZE		SERIAL NO.		TYPE		WEIGHT		RPM		FOOTAGE FROM		FOOTAGE TO		FOOTAGE		HOURS		CORED FROM		CORED TO		REAMED FROM		REAMED TO		CONDIT-ION									
DERRICK				STANDS		FT.																																									
FLOOR				SINGLES		FT.																																									
FLOOR				D.C.'S		FT.																																									
FLOOR				SUB		FT.		MUD		4 P.M.		6 P.M.		8 P.M.		10 P.M.		WATER LOSS		FILTER CAKE		PH		GENERAL REMARKS																							
FIREMAN				SUB		FT.		WEIGHT																																							
MECHANIC				BIT OR C.B.		FT.		VISCOSITY										ADDITIVES																													
INJURIES				KELLY IN		FT.		PUMP PRESSURE																																							
TOTAL				PUMP NO. 1 LINER SIZE		FT.		PUMP NO. 2 LINER SIZE																																							
DRILL PIPE SIZE		TYPE		TOTAL NO. OF JOINTS		DATE LAST SONOSCOPED		FOOTAGE DRILLED SINCE LAST SONOSCOPED		TOTAL FOOTAGE DRILLED		LAST CALIPER DATE		RESULTS		CODE LETTER OF STRING		TOOLPUSHER <u>Blaine Lynch</u>		APPROVED BY <u>E. Deeks</u>		TOTCO RING ON BIT NO.																									

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS										REGENT DRILLING LIMITED										DAY WORK RECORD									
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		DATE		REPORT NO.													
NO. 1										Mar 3 / 73		Mesa Murphy GARC Rio J.S.		Mar 3 / 73															
NO. 2										RIG NO. 11		LOCATION LSD. SEC. TWP. RGE.																	
EACH EMPLOYEE MUST SIGN THIS BOOK										PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.																			
TOUR NO. 1 MIDNIGHT TO 8 A.M.										REMARKS										TIME									
DRILLER																				START STOP INT VAL									
DERRICK																													
FLOOR																													
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FLOOR																													
FIREMAN																													
MECHANIC																													
INJURIES																													
TOUR NO. 2 8 A.M. TO 4 P.M.										REMARKS																			
DRILLER W.B. Lynch 12																													
DERRICK R. MacLean 12																													
FLOOR M. McLean 12																													
FLOOR																													
FLOOR																													
FIREMAN																													
MECHANIC																													
INJURIES																													
TOUR NO. 3 4 P.M. TO MIDNIGHT										REMARKS																			
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MECHANIC																													
INJURIES																													
TOUR NO. 5 12 P.M. TO 8 P.M.										REMARKS																			
DRILLER																													
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MECHANIC																													
INJURIES																													
TOUR NO. 6 8 P.M. TO 4 P.M.										REMARKS																			
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INJURIES																													
TOUR NO. 7 4 P.M. TO 12 P.M.										REMARKS																			
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TOUR NO. 8 12 P.M. TO 8 P.M.										REMARKS																			
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MECHANIC																													
INJURIES																													
TOUR NO. 9 8 P.M. TO 4 P.M.										REMARKS																			
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INJURIES																													
TOUR NO. 13 4 P.M. TO 12 P.M.										REMARKS																			
DRILLER																													
DERRICK																													
FLOOR																				</									

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS										DAY WORK RECORD									
MANUFACTURER		TYPE		STROKE LENGTH		LAST CASING SIZE		LAST CASING SET AT		DATE		WELL NAME		DATE		REPORT NO.			
NO. 1										11		11		11		11			
NO. 2										11		11		11		11			
EACH EMPLOYEE MUST SIGN THIS BOOK										PLEASE SHOW FOOTAGE MADE WHILE "CONTROL DRILLING" AS WELL AS HOURS AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.									
TOUR NO.1 MIDNIGHT TO 8 A.M.										REMARKS									
DRILLER										TIME									
DERRICK										START STOP INT VAL									
FLOOR																			
FLOOR																			
FLOOR																			
FIREMAN																			
MECHANIC																			
INJURIES																			
TOUR NO. 2 8 A.M. TO 4 P.M.										REMARKS									
DRILLER										Clean out space - pull 8.00									
DERRICK										Camp on bare ground									
FLOOR																			
FLOOR										Clean snow from roof of 8.00 12									
FLOOR																			
FIREMAN																			
MECHANIC																			
INJURIES																			
TOUR NO. 3 4 P.M. TO MIDNIGHT										REMARKS									
DRILLER																			
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MECHANIC																			
INJURIES																			
TOUR NO. 13 4 P.M. TO MIDNIGHT										REMARKS									
DRILLER																			
DERRICK																			
FLOOR																			
FLOOR																			
FLOOR																			
FIREMAN																			
MECHANIC																			
INJURIES																			
TOUR NO. 14 8 A.M. TO 4 P.M.										REMARKS									
DRILLER																			
DERRICK																			
FLOOR																			
FLOOR																			
FLOOR																			
FIREMAN																			
MECHANIC																			
INJURIES																			
TOUR NO. 15 4 P.M. TO MIDNIGHT										REMARKS									
DRILLER																			
DERRICK																			
FLOOR																			
FLOOR																			
FLOOR																			
FIREMAN																			
MECHANIC																			
INJURIES																			
TOUR NO. 16 8 A.M. TO 4 P.M.										REMARKS									
DRILLER																			
DERRICK																			
FLOOR																			
FLOOR																			
FLOOR																			
FIREMAN																			
MECHANIC																			

TOOLPUSHER *B. Kaine Lynch*
APPROVED BY *E. Dick*

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER TYPE STROKE LENGTH

NO. 1
NO. 2

LAST CASING SIZE LAST CASING SET AT

DATE Mar 2/73

WELL NAME Mrs Murphy GAOE Riv J.S.

DATE March 2/73

REPORT NO.

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

EACH EMPLOYEE MUST SIGN THIS BOOK

TOUR NO.1 MIDNIGHT TO 8 A.M. HOURS

DRILLER

DERRICK

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS		FT.															
SINGLES		FT.															
D.C.'S		FT.															
SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
SUB		FT.	WEIGHT														
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
KELLY IN		FT.	R.P.M. PUMP NO.1														
		FT.	R.P.M. PUMP NO.2														
TOTAL		FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS

START STOP INT VAL

TOUR NO. 2
8 A.M. TO 4 P.M. HOURS

DRILLER W.B. Lynch 14

DERRICK R. MacLugan 14

FLOOR M. McLean 14

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS		FT.															
SINGLES		FT.															
D.C.'S		FT.															
SUB		FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
SUB		FT.	WEIGHT														
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
KELLY IN		FT.	R.P.M. PUMP NO.1														
		FT.	R.P.M. PUMP NO.2														
TOTAL		FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS

START STOP INT VAL

8:00

Cleaning out snow from rig

camp work on survival

camp light plant

Pull up second light plant

hook up to sleeper on main

camp & heat up.

10:00 14

TOUR NO. 3
4 P.M. TO MIDNIGHT HOURS

DRILLER

DERRICK

FLOOR

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS		FT.															
SINGLES		FT.															
D.C.'S		FT.															
SUB		FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
SUB		FT.	WEIGHT														
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
KELLY IN		FT.	R.P.M. PUMP NO.1														
		FT.	R.P.M. PUMP NO.2														
TOTAL		FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS

START STOP INT VAL

DRILL PIPE SIZE

TYPE

TOTAL NO. OF JOINTS

DATE LAST SONOSCOPIED

FOOTAGE DRILLED SINCE LAST SONOSCOPIED

TOTAL FOOTAGE DRILLED

LAST CALIPER DATE

RESULTS CODE LETTER OF STRING

B.O.P.'S TESTED

ELAPSED TIME

PRESSURE

RESULTS

TOTCO RING ON BIT NO.

TOOLPUSHER Blaine Lynch

APPROVED BY E. Hicks

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS
MANUFACTURER TYPE STROKE LENGTH

DATE Mar 1 / 73

WELL NAME Miss Murphy GADC Tru J5

DATE Mar 1 / 73

REPORT NO. _____

RIG NO. 11

LOCATION LSD. _____ SEC. _____ TWP. _____ RGE. _____

PLEASE SHOW FOOTAGE MADE WHILE
"CONTROL DRILLING" AS WELL AS HOURS
AND ALSO RECORD CORE CUTTERS, CATCHERS, SWAB RUBBERS, ETC.

TOUR NO.1 MIDNIGHT TO 8 A.M. HOURS

DRILLER

DERRICK

FLOOR

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS	FT.																
SINGLES	FT.																
D.C.'S	FT.																
SUB	FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
SUB	FT.	WEIGHT															
BIT OR C.B.	FT.	VISCOSITY															
	FT.	PUMP PRESSURE															
KELLY IN	FT.	R.P.M. PUMP NO.1															
		R.P.M. PUMP NO.2															
TOTAL	FT.	PUMP NO. 1 LINER SIZE															
		PUMP NO. 2 LINER SIZE															

REMARKS

TIME

START STOP INT VAL

TOUR NO. 2
8 A.M. TO 4 P.M. HOURS

DRILLER W.D. Lynch 12

DERRICK R. MacLean 12

FLOOR M. McLean 12

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS	FT.																
SINGLES	FT.																
D.C.'S	FT.																
SUB	FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
SUB	FT.	WEIGHT															
BIT OR C.B.	FT.	VISCOSITY															
	FT.	PUMP PRESSURE															
KELLY IN	FT.	R.P.M. PUMP NO.1															
		R.P.M. PUMP NO.2															
TOTAL	FT.	PUMP NO. 1 LINER SIZE															
		PUMP NO. 2 LINER SIZE															

REMARKS

10⁰⁰

Pick up supplies & fly to Big site @ Mile 6.4 MacKenzie River & dig out shack & rig up to heat for sleeping & living quarters & dig out camp site.

10⁰⁰ 12

TOUR NO. 3
4 P.M. TO MIDNIGHT HOURS

DRILLER

DERRICK

FLOOR

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS	FT.																
SINGLES	FT.																
D.C.'S	FT.																
SUB	FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS							
SUB	FT.	WEIGHT															
BIT OR C.B.	FT.	VISCOSITY															
	FT.	PUMP PRESSURE															
KELLY IN	FT.	R.P.M. PUMP NO.1															
		R.P.M. PUMP NO.2															
TOTAL	FT.	PUMP NO. 1 LINER SIZE															
		PUMP NO. 2 LINER SIZE															

REMARKS

DRILL PIPE SIZE TYPE

TOTAL NO. OF JOINTS DATE LAST SONOSCOPIED

FOOTAGE DRILLED SINCE LAST SONOSCOPIED

TOTAL FOOTAGE DRILLED

LAST CALIPER DATE

RESULTS CODE LETTER OF STRING

B.O.P.'S TESTED

ELAPSED TIME

PRESSURE

RESULTS

TOTCO RING ON BIT NO.

TOOLPUSHER Blaine Lynch

APPROVED BY E. Hicks

REGENT DRILLING LIMITED

DAY WORK RECORD

PUMPS

MANUFACTURER	TYPE	STROKE LENGTH
NO. 1		
NO. 2		

LAST CASING SIZE LAST CASING SET AT

DATE Feb 28 73

WELL NAME Mess. Murphy GAOO Riv. J5

DATE Feb 28 /73

REPORT NO. 1

EACH EMPLOYEE MUST SIGN THIS BOOK

TOUR NO.1 MIDNIGHT TO 8 A.M. HOURS

DRILLER

DERRICK

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS		FT.															
SINGLES		FT.															
D.C.'S		FT.															
SUB		FT.	MUD	12 MID.	2 A.M.	4 A.M.	6 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
SUB		FT.	WEIGHT														
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
KELLY IN		FT.	R.P.M. PUMP NO.1														
		FT.	R.P.M. PUMP NO.2														
TOTAL		FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS

TIME

TOUR NO. 2 8 A.M. TO 4 P.M. HOURS

DRILLER W. B. Lynch 8

DERRICK R. MacGregor 8

FLOOR M. McLean 8

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS		FT.															
SINGLES		FT.															
D.C.'S		FT.															
SUB		FT.	MUD	8 A.M.	10 A.M.	12 NOON	2 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
SUB		FT.	WEIGHT														
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
KELLY IN		FT.	R.P.M. PUMP NO.1														
		FT.	R.P.M. PUMP NO.2														
TOTAL		FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS

Fly from Edmonton to Norman Wells. P.W.A.
Travel time

TOUR NO. 3 4 P.M. TO MIDNIGHT HOURS

DRILLER

DERRICK

FLOOR

FLOOR

FLOOR

FLOOR

FIREMAN

MECHANIC

INJURIES

FROM	FOOTAGE	TOTAL DEPTH	HOURS ON BOTTOM	DRILL PIPE WEIGHT	NO. AND SIZE OF D.C.'S	D.C. WEIGHT	TRIPS	NO OF LINES	TOTAL TON MILES	LINE CUT FEET	AT MILES	FEET LEFT ON SPOOL	DATE OF LAST CUT	AT SURVEYS	DEGREES		
NO.	DRILLING STRING	BITS RUN NO.	SIZE	NOZZLE SIZE	SERIAL NO.	TYPE	WEIGHT	RPM	FOOTAGE FROM	FOOTAGE TO	FOOTAGE	HOURS	CORED FROM	CORED TO	REAMED FROM	REAMED TO	CONDIT-ION
STANDS		FT.															
SINGLES		FT.															
D.C.'S		FT.															
SUB		FT.	MUD	4 P.M.	6 P.M.	8 P.M.	10 P.M.	WATER LOSS	FILTER CAKE	PH	GENERAL REMARKS						
SUB		FT.	WEIGHT														
BIT OR C.B.		FT.	VISCOSITY					ADDITIVES									
		FT.	PUMP PRESSURE														
KELLY IN		FT.	R.P.M. PUMP NO.1														
		FT.	R.P.M. PUMP NO.2														
TOTAL		FT.	PUMP NO. 1 LINER SIZE			PUMP NO. 2 LINER SIZE											

REMARKS

DRILL PIPE SIZE

TYPE

TOTAL NO. OF JOINTS

DATE LAST SONOSCOPED

FOOTAGE DRILLED SINCE LAST SONOSCOPED

TOTAL FOOTAGE DRILLED

LAST CALIPER DATE

RESULTS

B.O.P.'S TESTED

ELAPSED TIME

PRESSURE

RESULTS

TOTCO. RING ON BIT NO.

CODE LETTER OF STRING

TOOLPUSHER Blaine Lynch

APPROVED BY E. Hicks