Indian and Northern Affairs Affaires indiennes et du Nord

Well Name / Nom du puits: Decalta CS Mesa Redstone P-78	Drilling Authority No. / Autorisation de forage n° 655
Field/Area / Gisement/Région: Birch Island, Mackenzie River	Date Issued / Date d'émission Jan. 8, 1973
Location / Emplacement — Unit / Unité: P-78-64-10-124-15 — Section	Permit or Lease: 5520
Latitude: 64°07'57"	Longitude: 124°28'15"
U.W.L.R. / N.R.U.E.P.: 64.13250 -- 124.47084	
U.W.I. No. / N.I.P. No.: 300P786410124150	
File Microfilmed	Rig. Release Date / Date de transfert de la tour de forage: 13-2-73
Tour Sheets, Microfilmed	Status / Statut: O+A
	Information Release Date / Date de publication autorisée des informations: 13-2-75

CHANGE OF NAME:
CHANGEMENT DE NOM:

Change of Location
Changement de emplacement

INDEX	DATE RECEIVED / REÇU LE		INDEX
Application for a Drilling Authority	15-01-73	K	Demande d'autorisation de forage
Well Completion Data	4-5-73	K	Renseignements sur le forage d'un puits
Well History Report	4-5-73	K	Données chronologiques sur le puits
Application to Amend a Drilling Authority			Demande de modification d'une autorisation de forage
Application to Change a Well Name			Demande de changement du nom d'un puits
Application to Abandon a Well ~~or Suspend Drilling~~	5-4-73	K	Demande d'abandon d'un puits ou de suspension du forage
Application to Alter Condition of a Well			Demande d'autorisation de modifier l'état d'un puits
Well History Supplement			Supplément aux données chronologiques sur le puits
Well Completion Data			Renseignements sur le forage d'un puits
Work-Over Report No.			Rapport de reconditionnement n° . . . . .
Application to Commingle Production before Measurement			Demande d'autorisation de mélanger la production avant jaugeage
Data for Back Pressure Test on Natural Gas Wells			Données de calcul de la capacité de production d'un puits de gaz naturel — Méthode graphique n° 7
Data for Back Pressure Test on Natural Gas Walls			Données de calcul de la capacité de production d'un puits de gaz naturel — Méthode de Vitter
M.P.R. – Oil – Calculations			Calcul du T.M.P. (Taux maximal de production) de pétrole
New Oil Well Report			Rapport sur un nouveau puits de pétrole
New Gas Well Report			Rapport sur un nouveau puits de gaz naturel
Well Inspection Report			Rapport d'inspection de l'emplacement d'un puits
Rig Inspection Report	24-1-73	K	Rapport d'inspection d'une tour de forage
Battery Inspection Report			Rapport d'inspection d'une batterie de puits
Equipment Report			Rapport d'inspection des compteurs
Well Card			Fiche de puits
New Service Well Report			Rapport sur un nouveau puits de service
Strat Service Logs			Rapport mensuel des injections d'eau
Logs – Large scale			Diagrammes: Grande échelle
Logs – Small scale			Diagrammes: Petite échelle

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

OIL & MINERAL DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 655
N° de l'autorisation de forage

Date Issued Jan. 8, 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*
DECALTA CS MESA REDSTONE P-78	5520	

(Permittee, License, Lessee) — *(Détenteur de permis ou de licence, du concessionnaire)*	Exploratory Licence No. — *N° de licence de sondage*
Canadian Superior Oil Ltd. & Mesa Petroleum Co.	1554 & 1962
(Operator) — *(Exécutant)*	Exploratory Licence No. — *N° de licence de sondage*
Western Decalta Petroleum Limited	1420

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
P	78	64-10 - 124-15	64°07'57" N	124°28'15"W

Unique Well Identifier — *Code d'ordinateur*: 300P78 6410124150

Universal Well Location Reference — *Références universelles d'emplacement du puits*: 64.13250 N 124.47083W

	Date	Depth — *Profondeur*
Spudded *Début des travaux*	January 7, 1973	
Suspended *Suspension des travaux*		
Resumed Operations *Reprise des travaux*		
Finished Drilling *Forage terminé*		
Deepened *Approfondissement*		
Complete (Gas/Oil) *Achèvement (Gaz/Pétrole)*		
Abandoned *Abandon*	February 13, 1973	3890'
Rig Released *Fin des travaux*	February 13, 1973	3890'

Pool(s) *Gisement(s)*: NIL

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

Elevation: Gr. *Altitude du sol* 564 K.B. *du carré d'entraînement* 578.4

Rig No. *N° de la tour de forage* 2

Drilling Contractor *Entrepreneur en forage* Guthrie McLaren

Contractor's Business Licence No. *N° du permis de l'entrepreneur* 0989

CASING RECORD — *TUBAGE*

	Casing Size (Inches) *Diamètre (en pouces)*	Grade *Qualité*	Weight *Poids*	Amount *Longeur*	Set at — *Fixation à*	Sacks of Cement and Additives *Sacs de ciment et d'additifs*
1.	9-5/8	KS	36	632.6	629	300 sx + 2% $CaCl_2$
2.	13 3/8				58	10 sax Permafrost + 2% $CaCl_2$
3.						
4.						
5.						
6.						

Geological Tops *Sommet des formations*	Elevation — *Profondeur* Depths *Sous le niveau du sol*	Sub-Sea *Sous le niveau de la mer*
Cretaceous	Surface	
San Sault.	1515	- 937
Hume	1828	-1250
Bear Rock	2620	-2042
T.D.	3890	

Core Record — *Carottes*

From — *de*	To — *à*	Rec. *Récupérées*	From — *de*	To — *à*	Rec. *Récup.*
2756	2771	15			
3875	3890	13.5			

Log Record — *Diagrammes*

Run *Série*	Type of Log *Genre de diagramme*	From — *De*	To — *À*
1	Dual Induction Laterlog	3867	623
1	Formation Density	3869	869
1	Sidewall Neutron Porosity Log	3872	871
1	Borehole Compensated Sonic Log	3878	623

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 16 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

File No.
Drilling Authority No. 555

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well ~~or Suspend Drilling~~

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

Name and number of well DECALTA CS MESA REDSTONE P-78

Location: Unit P Section 78 Grid 64-10 — 124-15'

Latitude 64°07'57"N Longitude 124°28'15"W

~~From Established Reference Marker~~ Unique Well Identifier 300P786410124150

Universal Well Location Reference 64.13250N 124.47083W

Permit No. 5520 Lease No. -

Canadian Superior Oil Ltd. & Mesa Petroleum Co.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program February 11, 1973

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at NIL

Gas at NIL

Water at Lost circulation @ 1920' water level in hole 100' K.B.

Total Depth 3890' Date of last operations Rig Released - Feb. 13, 1973

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	36	632.6	629	300 sax + 2% $CaCl_2$	-
2.	13 3/8			58	10 sax P.Frost C	
3.					+ 2% $CaCl_2$	
4.						
5.						

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	3890-3790	Bear Rock	55 sax	Felt @ 3788'
2	2670-2570	Bear Rock - Hume	55 sax	Not in place
2	2670-2570	Bear Rock - Hume	55 sax	Felt @ 2620'
2	2620-2570	Bear Rock - Hume	55 sax	Felt @ 2560'
3	1878-1778	Hume	55 sax	Felt @ 1769'
4	679-579	Cretaceous	55 sax	Felt @ 574'
5	Surface		5 sax	-

The following logs have been run D.I., F.D., S.N.P., BHCS Logs.

Other operations proposed -

Operations to be carried out by Guthrie McLaren Contractor Licence No. 0989

Address 14630 - 119 Ave., Edmonton, Alta Address

Responsible Agent in field H.B. Tiffin

Dated at Calgary, this 2nd Day of April 1973

Signed by [signature] Company Western Decalta Petroleum Limited

Title Vice President Exploration Operator's Exploratory Licence No. 1420

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Dated [illegible], 19 73

[signature]
Oil Conservation Engineer

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

IAND 52-90 (S) (2-69)

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

Drilling Authority No. 655

Project No.

File No.

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well Decalta CS Mesa Redstone P78

Location: Unit P Section 78 Grid 54-10; 124-15

Latitude 64°07'57" N Longitude 124°28'15" W

Unique Well Identifier 300P786410124150

Universal Well Location Reference 64.13250 N 124.47083 W

Elevation: Ground 564 K.B. 580 feet above sea-level.

Well is expected to produce from Bear Rock and Kee Scarp formation at a depth of about 3,000' feet. Expected total final depth 5000

Area assigned to well Exploratory
(for Oil Conservation Engineer's use only)

Permit No. 5520 Lease No. Acreage 56,000

Permittee, licensee, or lessee Canadian Superior Oil Ltd. and Mesa Petroleum Co.

Exploratory Licence No. 1554 and 1962

Surface owned by Crown or Crown
(If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 13-3/8	48	H-40	New	100	95
2. 9-5/8	36	K-55	New	600	300
3. Any additional strings of casing shall be approved by the District					
4. Conservation Engineer before they are run.					
5.					

O.K. MKE

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

Hydril and Shaffer 10", 900 BOP's

Well will be drilled with Rotary Rig No. 2 by Guthrie McLaren Drilling Ltd.
(Drilling Contractor or company)

14630 - 119 Ave., Edmonton, Alta. T5L 2P2

Responsible agent of applicant:— Contractor's Business Licence No. 0989

At well Guthrie Toolpusher At registered office W. G. Tyler

Address Address 630 - 6 Ave. S.W., Calgary, Alta

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

Dated at Calgary, this 2nd day of January 19 73

Signed by [signature] Company Western Decalta Petroleum Limited

Title Chief Engineer Operator's Licence No. 1420

(For Oil and Mineral Division use only)

APPROVED

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

See attached sheet for Conditions of Approval.

Dated Jan 8 19 73 [signature]
Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

IAND 52-90-1 (3-69)

D.I.A.N.D. - CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO. 655

WELL Decalta CS Mesa Redstone P-78

1. Copies or 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 are attached for pertinent details.)

3. All shows of oil & 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. Permission to resume operations will be granted by the District Conservation Engineer after a fatality.

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. The location of Mesa Nahanni Butte L-20 is approximately 1,750' from the northern border of permit 5044. In the event that deviation problems create an offset distance approaching 1,750' you may be required to run a directional survey.

7. 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.

8. Prior approval from a District Conservation Engineer is required for any changes to the approved drilling authority.

9. Surface casing to be set 50 feet (min.) into a consolidated formation at the approved depth. Please notify this office before drilling below 5,000'.

10. 3000# W.P. (Ser. 900) B.O.P.'s are required to 12,000 ft. (Max.)
5000# W.P. (Ser.1500) B.O.P.'s are required below 12,000 ft.

11. Please report to this office twenty-four (24) hours before the well is psudded.

GEOLOGICAL PROGNOSIS

DECALTA CS MESA REDSTONE P78

P78 of Grid 64°10'N 124°15'W

(64°07'57"N 124°28'15"W)

To be drilled on SP 403 Line 8

N.W.T. Permit 5520

Grd. 564'

K.B. 580' (est.)

	DEPTH	ELEV.
Spud in Cretaceous		
Sans Sault Ss.	1700'	-1120'
Hume	1800'	-1220'
Bear Rock	2600'	-2020'
Ronning	4100'	-3520'
Total Depth	5000'	-4420'

Samples

Ten foot samples will be caught from grass roots to T.D.
One set of washed samples will be put in vials at the wellsite.
The remainder of the sample will be forwarded to the Geological Survey of Canada.

Testing

All significant porosity will be evaluated. Water samples will be put in metal containers for subsequent benzene analysis.

Coring

If significant hydrocarbons are recovered on a test, a program of coring and testing will be commenced.

Logging

The logging program will be decided at the appropriate time, but will consist at least of IES and BHCS logs.

Reports

All reports will be sent to Decalta's Calgary office for distribution.
This is a 'TIGHT HOLE' all reports in code.

DRILLING PROGRAM

GUTHRIE McLAREN DRILLING LTD.

WELL NAME: Decalta CS Mesa Restone P-78

CO-ORDINATES: 64°07'57" N, 124°28'15" W

LOCATION: Shot Point 403 on Line W.D. 8

GROUND ELEVATION: 564' (Actual)

KB ELEVATION: 580.0' (Estimated)

DRILLING PROGRAM:

1. Drill 22 inch conductor hole dry with bucket to 100' and run 13-3/8", 48#, H-40 ST&C casing specially coated with Shaw Insul 8 plastic coating. Cement with 95 sacks of Halliburton Permafrost Cement. Head up after 16 hours and drill out after a minimum of 24 hours.

2. Spud with 12-1/4" bit and make 60' of hole below the bottom of conductor pipe. Pull out and stabilize as per Appendix I. Survey every 60' or every 30' if any survey reads over 3/4°. In the event hole deviation exceeds 3/4°, pilot with stabilized 8-3/4" bit to 600' and ream to 12-1/4" hole with 12-1/4" hole opener and side wall reamer. Ensure the bottom 100' of casing is set in a consolidated formation. Utilize a standard gel water system for surface hole.

3. Run 600' of 9-5/8", 36#, K-55 ST&C casing equipped with guide shoe, float baffle and 2 centralizers on the bottom 2 joints. Cement with 380 sacks Portland cement + 2% $CaCl_2$. Ensure cement returns to surface. Allow a minimum of 24 hours WOC prior to drilling out.

4. Drill out with an 8-3/4" bit and make 200' of hole. Trip and add stabilization equipment as per Appendix II. Deviation is general in the Shale formations. Survey a minimum of every 150'. Utilize a low solids Benex mud system below surface and run desilter continuously to ensure mud weights below 8.6#/gallon. If reef development is encountered in the Bear Rock formation, mud weights to 9.2 may be required. The Bear Rock is noted for Anhydrite development. Possible Reef development may also be encountered in the Kee Scarp.

5. Note complete hole erosion immediately above the Devonian Shale and throughout the Hare Indian Shale. Reduce bit weight to approximately 20,000 through these zones and increase rotary to approximately 90 RPM. Survey every 60'. Use caution when making connections immediately below these zones.

6. Upon reaching total depth, run IES and BHCS logs from total depth to the surface casing shoe. Detail over specific zones will be done at the request of Western Decalta's representative.

January 2, 1973

2" CAMERON SCREWED VALVES 900 SERIES.

~~ADJUSTABLE~~ CHOKE FLANGED

2" STEEL TEE W/ 2" BULL PLUG

2" OUTLET W/ VALVE

3" OUTLET W/ VALVE

1" OUTLET W/ VALVE

LINE TO RIG FLOOR FOR D.S.T.

2" SCREWED VALVE

2" SERIES 900 FLANGED VALVE

3" STEEL FLANGED CROSS

3" SERIES 900 FLANGED VALVE

150' 2" LINE TO FLARE PIT

4" MANIFOLD TO FLARE PIT

3" SERIES 900 FLANGED VALVE

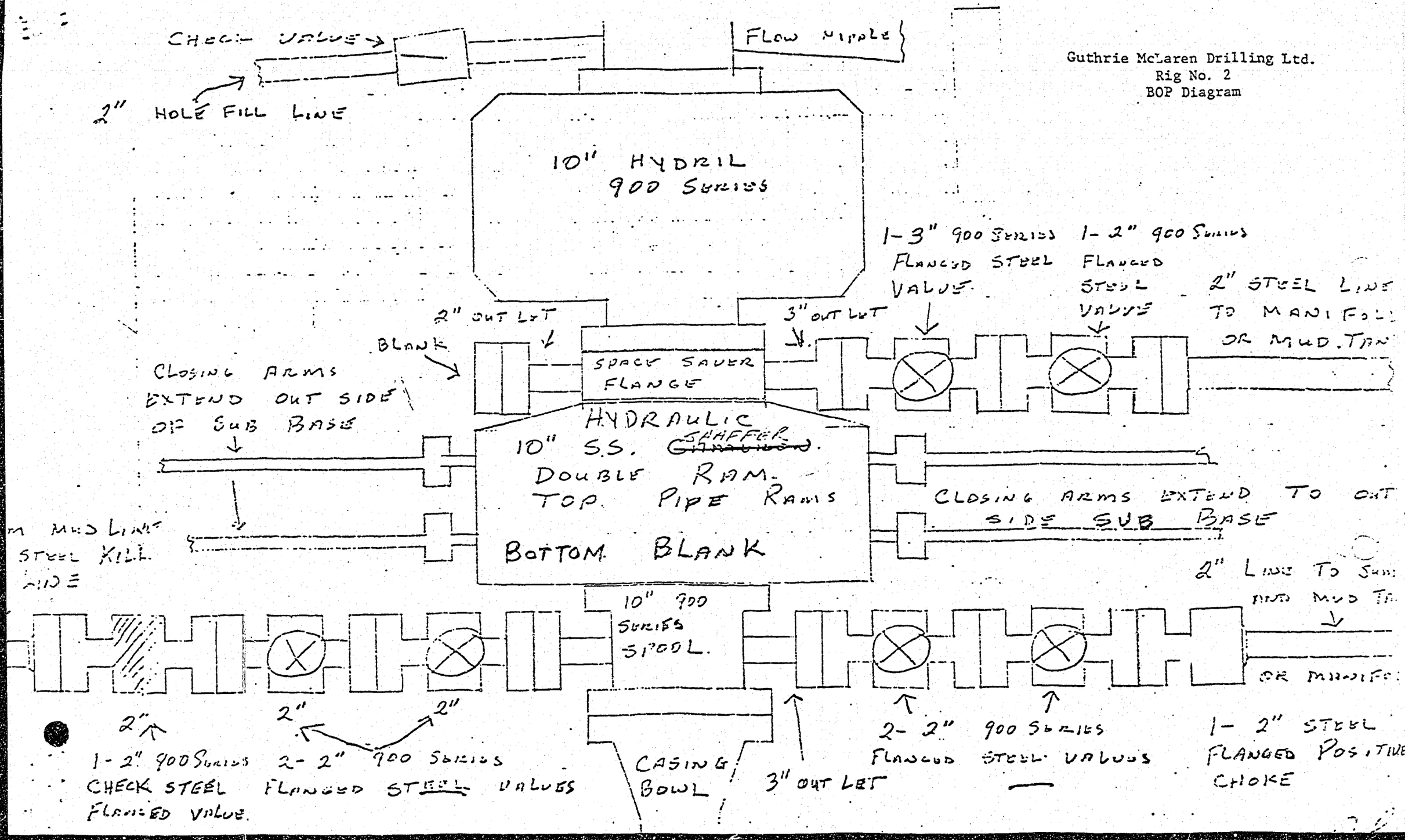
2" 900 SERIES SCREWED VALVE

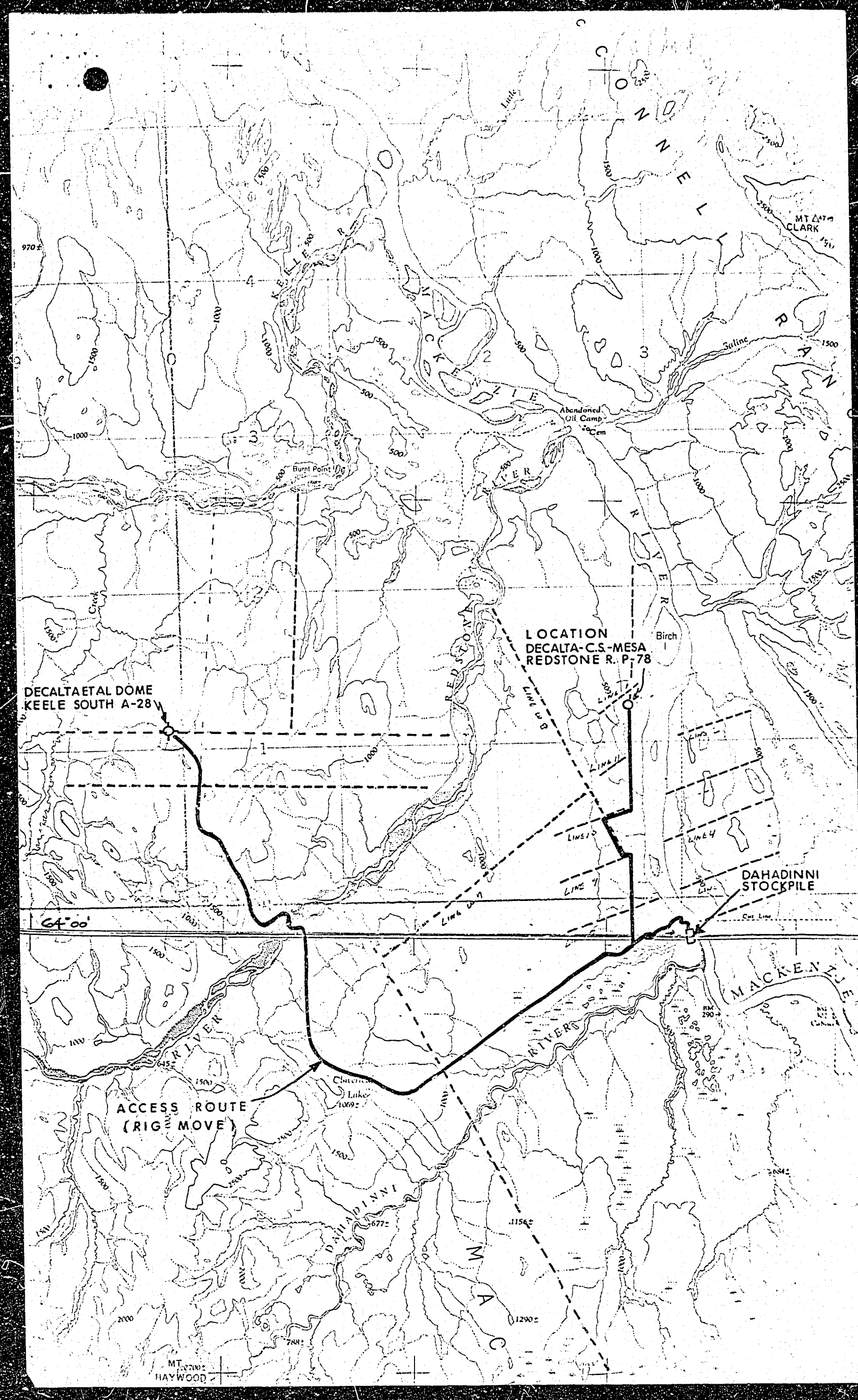
2" STEEL TEE W/ 2" BULL PLUG

POSITIVE CHOKE FLANGED

Guthrie McLaren Drilling Ltd.
Rig No. 2
High Hazard Manifold

Guthrie McLaren Drilling Ltd.
Rig No. 2
BOP Diagram




LOCATION
DECALTA-C.S.-MESA
REDSTONE R. P-78
DECALTA ET AL DOME
KEELE SOUTH A-28
ACCESS ROUTE
(RIG MOVE)
DAHADINNI
STOCKPILE
Burnt Point
Abandoned
Oil Camp
Saline
Birch
Creek
Little
Lake
MT CLARK
MT HAYWOOD
KELLE R.
MACKENZIE
RIVER
MACKENZIE MTNS
LINE 1
LINE 2
LINE 3
LINE 4
LINE 5
LINE 6
LINE 7
LINE 8
LINE 9
LINE 10
LINE 11
64°00'
970±
645±
1069±
677±
1156±
1290±
788±
684±

019-11-05-047

WELL HISTORY REPORT

DECALTA CS MESA REDSTONE P78

64° 07' 57" N, 124° 28' 15" W

Redstone River, N.W.T.

For

WESTERN DECALTA PETROLEUM LIMITED

Submitted by:

H.B. Tiffin, P. Geol.

I N D E X

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SECTION I

Summary of Well Data

(a) Decalta CS Mesa Restone P78

(b) Permittee: Canadian Superior Oil Ltd. &
Mesa Petroleum Co.

(c) Operator: Western Decalta Petroleum Limited
630-6th Avenue S.W.
Calgary, Alberta

(d) Location: Grid - P-78-64-10-124-15

Latitude - 64° 07' 57" N.
Longitude - -124° 28' 15" W.

Unique Well Identifier - 300P786410124150
Universal Well Location Reference 64.13250N, 124.47083W

(e) Co-ordinates:

(f) N.W.T. Permit 5520, 56,000 acres.

(g) Drilling Contractor: Guthrie-McLaren Drilling Ltd.
Rig #2
Ideco 7-11

(h) Drilling Authority No. 655 - January 8, 1973

(i) Classification: new field wildcat

(j) Elevations: Ground 564, K.B. 578.4

(k) Spudded: 4:00 a.m. - January 7, 1973

(l) Completed Drilling: February 9, 1973

(m) Total depth: 3890 (Driller)

(n) Well Status: Dry & Abandoned

(o) Rig Released: February 13, 1973

(p) Hole Sizes:

Surface	-	629	12 1/4"
629	-	3890	8 3/4"

(q) Surface Casing: Ran 20 jts. 632.6', 9-5/8", Jap, 36#, KS Casing. Landed at 629' K.B. with 300 sax construction cement + 2% Calcium Chloride. Plug down 5:30 p.m. January 8, 1973. Good returns.

SECTION II - GEOLOGICAL SUMMARY

Formation Tops

K.B. Elevation: 578'

Formation	Sample	Log	Datum
Cretaceous	Surface		+ 564
Sans Sault Sandstone	1520	1515	- 937
Devonian			
Hume	1828	1828	-1250
Bear Rock	2625	2620	-2042
Total Depth	3890	3878	-3300

Cored Intervals

Number	Interval	Formation	Recovery
1	2756-71	Bear Rock	15 ft.
2	3875-90	Bear Rock	13.5 ft.

CORE DESCRIPTIONS

Diamond Core #1 2756-71 - Cut and Recovered 15'

Penetration Rate (mins/ft) 15, 15, 13, 16, 17, 15, 14
14, 15, 9, 14, 13, 15, 15, 18.

2-5' Anhydrite & Shale - light to medium buff, in part greenish and argillaceous, very fine crystailine, massive anhydrite; scattered laminae, medium grey green, anhydritic shale.

0.8' Dolomite - buff, very finely crystalline, very slightly argillaceous dolomite, bare trace very fine vuggy porosity, no visible stain or fluorescence.

5.7' Anhydrite & Shale - light to medium buff, in part greenish and argillaceous, very finely crystalline, massive anhydrite, scattered laminae, medium grey-green, anhydritic shale.

6.0' Dolomite - buff and grey buff, very finely crystalline, argillaceous dolomite, in part with fine clear to white anhydrite inclusions, abundant vertical fractures lined with clear to white anhydrite and selenite. Trace fracture porosity, no visible stain or fluorescence.

Diamond Core #2 3875-90 - Cut 15' Rec. 13.5'
Penetration Rate (mins/ft) 7, 7, 6, 4, 5, 6, 5, 6, 5, 6, 6, 8, 8, 7, 7,

2.5' Anhydrite - light grey buff, very fine to finely crystalline massive anhydrite.

2.8' Dolomite - medium buff, very fine to finely crystalline, argillaceous dolomite, trace isolated fine vugs, abundant fractures filled with white massive anhydrite and white secondary calcite, fractures open in part, poor fracture porosity, no visible stain or fluorescence.

3.8' Dolomite - light buff and brown, very fine crystalline, dense dolomite; fractures as above, trace fracture porosity, no visible stain or fluorescence.

4.4' Anhydrite - light grey buff, very fine to finely crystalline, massive anhydrite.

SAMPLE DESCRIPTIONS

Cretaceous - Surface (+564)

40 - 180	Shale - medium grey, soft, bentonitic, micromicaceous, silty shale.
180 - 210	Shale - light brownish grey shale as above, becoming more bentonitic and silty.
210 - 390	Shale - medium to dark grey, bentonitic, silty, micromicaceous shale.
390 - 420	Sandstone - light greenish grey, fine grained, subangular, medium sorted, slightly calcareous, argillaceous, slightly kaolinitic, salt and pepper sandstone.
420 - 510	Siltstone - sandstone as above becoming brownish grey, argillaceous to shaley siltstone.
510 - 570	Shale - medium brownish grey, soft, bentonitic, silty and sandy shale.
570 - 600	Shale - medium to dark grey, bentonitic, slightly silty shale.
600 - 630	Siltstone - medium brownish grey, soft, argillaceous, shaley siltstone.
630 - 1080	Shale - medium to dark grey, micromicaceous, slightly bentonitic and silty shale; scattered trace fine disseminated pyrite.
1080 - 1100	Shale - shale as above with light grey, highly silty interbeds.
1100 - 1160	Shale - dark grey, micromicaceous, slightly bentonitic shale, in part slightly silty.
1160 - 1170	Shale & Limestone - dark grey to black, micromicaceous, slightly pyritic, calcareous shale with black bitumin partings; moderate amounts brown cryptocrystalline, dense limestone interbeds.
1170 - 1180	Shale & Limestone - shale as above; trace limestone as above.
1180 - 1220	Shale - dark grey, micaceous, slightly silty shale; trace light grey highly silty interbeds, trace pyrite and inoceramus fragments.
1220 - 1270	Shale - dark grey, micaceous, slightly silty shale, few light grey silty interbeds.

1270 - 1300 Shale - shale as above and dark grey to black, micaceous, slightly bituminous shale; trace inoceramus fragments and pyrite.

1300 - 1460 Shale - dark grey to black, micaceous, silty shale; in part slightly bituminous, scattered brownish grey silty interbeds, scattered trace pyrite.

1460 - 1500 Shale & Sandstone - shale as above becoming more silty; minor amounts light grey, very fine grained, subangular, medium sorted, siliceous, micaceous, argillaceous, very slightly calcareous, salt and pepper sandstone interbeds, black bitumin in bedding planes.

1500 - 1520 Shale - dark grey, subfissile, micromicaceous shale, in part slightly silty.

Sans Sault Sandstone 1515' (-937)

1520 - 1540 Shale and Sandstone - shale as above, minor amounts light grey, very fine to fine grained, subangular, medium sorted, micaceous, calcareous, argillaceous, slightly sideritic, tight, salt and pepper sandstone; bituminous shale partings.

1540 - 1560 Sandstone - sandstone as above.

1560 - 1570 Sandstone - sandstone as above becoming fine to medium grained, more bituminous and carbonaceous.

1570 - 1580 Sandstone & Shale - sandstone as above and dark grey, subfissile, bentonitic shale.

1580 - 1590 Shale - shale as above, trace brown limestone veinlets and pyrite, scattered spores and plant remains.

1590 - 1610 Shale - dark grey, soft, micromicaceous, bentonitic, in part slightly bituminous shale, inoceramous fragments.

1610 - 1620 Shale, Mudstone & Limestone - shale as above; minor amounts white micaceous, sandy, calcareous mudstone, trace white sandy limestone.

1620 - 1630 Shale - medium to dark brownish grey, micromicaceous, slightly bentonitic, silty shale; scattered amber mica flakes.

1630 - 1650 Shale - medium to dark grey, bentonitic, micromicaceous shale, in part slightly calcareous.

1650 - 1670 Shale - dark grey to black, subfissile, micromicaceous, slightly calcareous shale.

1670 - 1800 Shale - medium to dark grey, subfissile, micromicaceous, bentonitic, slightly calcareous shale.

1800 - 1820 Shale - shale as above and dark grey to black, bentonitic, very slightly calcareous shale.

Devonian-Hume 1828 (-1250)

1820 - 1830 Shale & Limestone - shale as above and black, blocky, highly calcareous, slightly bituminous shale, trace white calcite veining.

1830 - 1890 Limestone - medium to dark grey buff, cryptocrystalline, argillaceous, slightly bituminous limestone, with calcite inclusions and veinlets, few fossil fragments (Ostracods and Brachiopods?), veinlets indicate fracturing.

1890 - 1920 Limestone - limestone as above, calcite crystal growth on fracture faces indicate open fractures, one foot drilling break 1905-06, lost circulation @ 1910'.

1920 - 2290 No samples - drilling blind in fractured lost circulation zone.

2290 - 2340 Limestone & Shale - light buff to medium grey buff, cryptocrystalline to very finely crystalline, slightly argillaceous limestone, in part pelletoidal and in part fragmental; minor amounts medium to dark grey calcareous shale; trace white calcite veining, scattered fossil fragments.

2340 - 2350 Sample Missing - Lost Circulation

2350 - 2370 Limestone & Shale - limestone as above, moderate amounts shale as above.

2370 - 2380 Limestone - pale to light buff, cryptocrystalline, very slightly argillaceous limestone, in part dark brownish grey and argillaceous, trace white calcareous veining.

2380 - 2400 Limestone & Shale - limestone as above, minor amounts medium to dark grey calcareous shale.

2400 - 2410 Limestone - limestone as above.

2410 - 2430 Limestone & Shale - limestone as above, moderate amounts shale as above.

2430 - 2450 Limestone, Dolomite & Shale - limestone as above; minor amounts brown, very finely crystalline and granular dolomite, no visible porosity or stain; minor amounts shale as above.

2450 - 2460 Dolomite - light brown, very fine to finely crystalline and granular dolomite, dolomite appears friable, poor intercrystalline and granular porosity, no stain or fluorescence, trace white calcite. Lost circulation @ 2478.

Bear Rock 2620 (-2042)

2460 - 2756 Lost circulation - drilling blind with water.

Diamond Core #1 2756-71 - Cut and Recovered 15'

2771 - 3875 Lost circulation - drilling blind with water.

Diamond Core #2 3875-90 - Cut 15' Rec. 13.5'

Total Depth: Driller 3890 (-3312)
Schlumberger 3878 (-3300)

WELL HISTORY LOG

Well Name: Decalta CS Mesa Redstone P78

Location: 64° 07' 57" N, 124° 28' 15" W

Operator: Western Decalta Petroleum Ltd.

Elevation: Ground: 564 K.B. 578.4

Spud Date: 4:00 AM Jan. 7/73

Finished Drilling: Feb. 9/73

Status: Dry & Abandoned

Total Depth: 3890 (driller)

Bottom Formation: Bear Rock

Geologist: H. B. Tiffin P. Geol

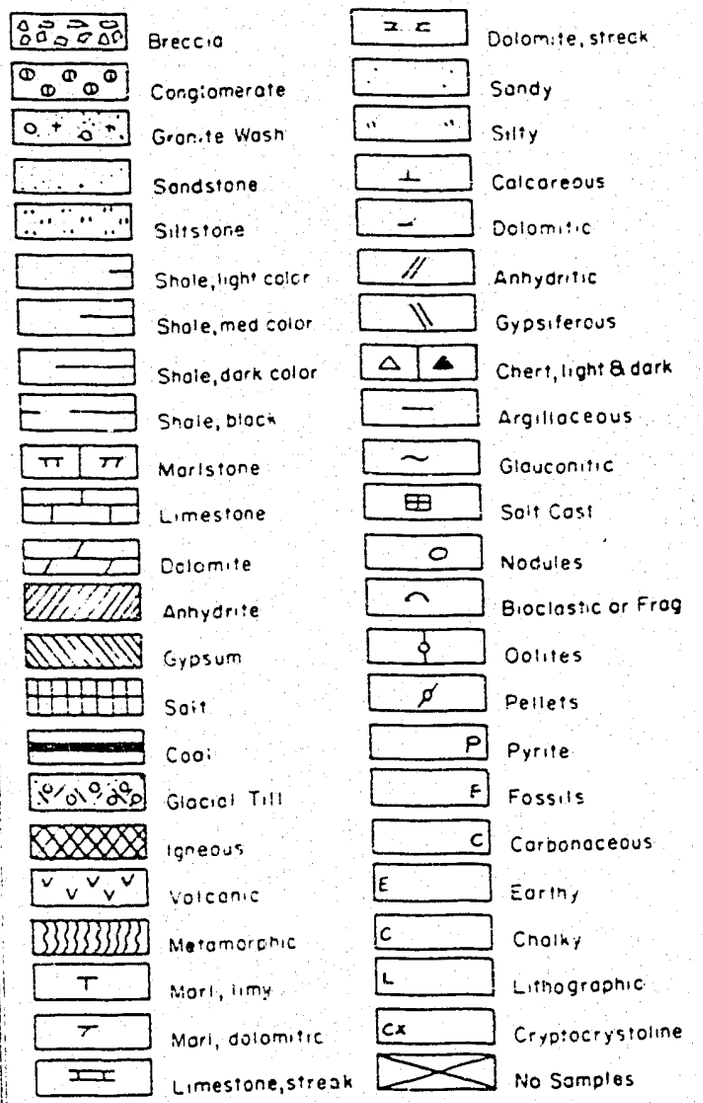
Surface Casing: ran 632.6' 20jts 9-5/8" Jap 36# KS csg. Landed @ 629 KB with 300 sax cement + 2% calcium chloride. Plug down 5:30 PM Jan. 8/73

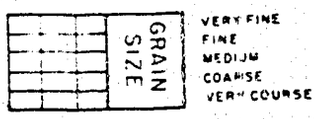
DST's: none

Cores: #1 2756-71 Bear Rock
#2 3875-90 Bear Rock

Logs: BHC Sonic Log
Dual Induction-Laterolog
Sidewall Neutron Porosity Log
Formation Density Log

—LEGEND—



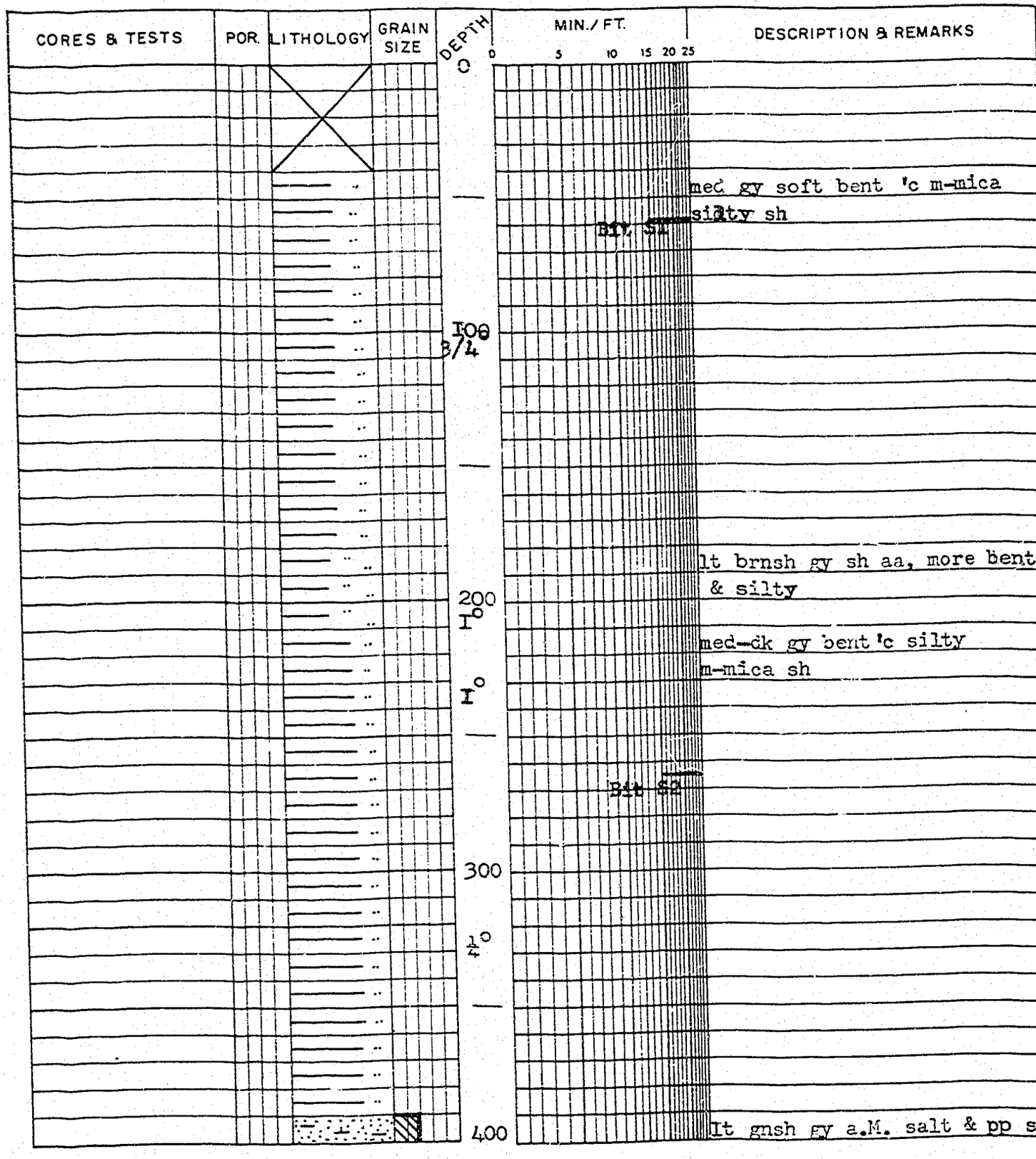


● Oil, heavy stain
◑ Oil, med, poor or spotty stain
○ Oil, light, questionable stain
D Oil, dead or asphaltic
↑ Gas, (positive test)
W Water, (positive test)

WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. 7/73

INTERVAL SHOWN: 40 - 400 PAGE NO. I

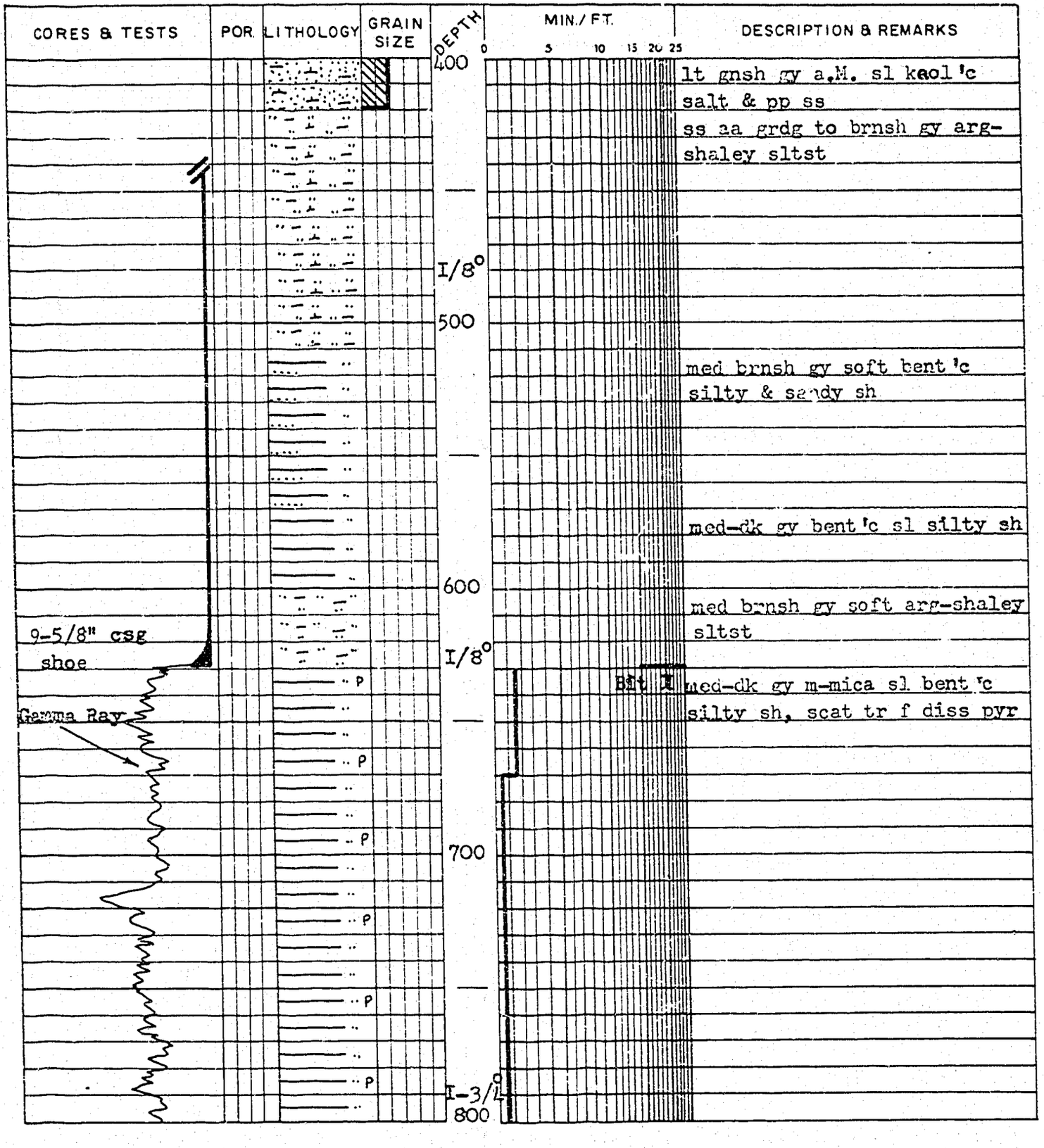


H.B.TIFFIN, P.Geol., CALGARY, ALBERTA Telephone Bus. 263-2514 Res. 289-1284

WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. 8/73

INTERVAL SHOWN: 400 - 800 PAGE NO. 2



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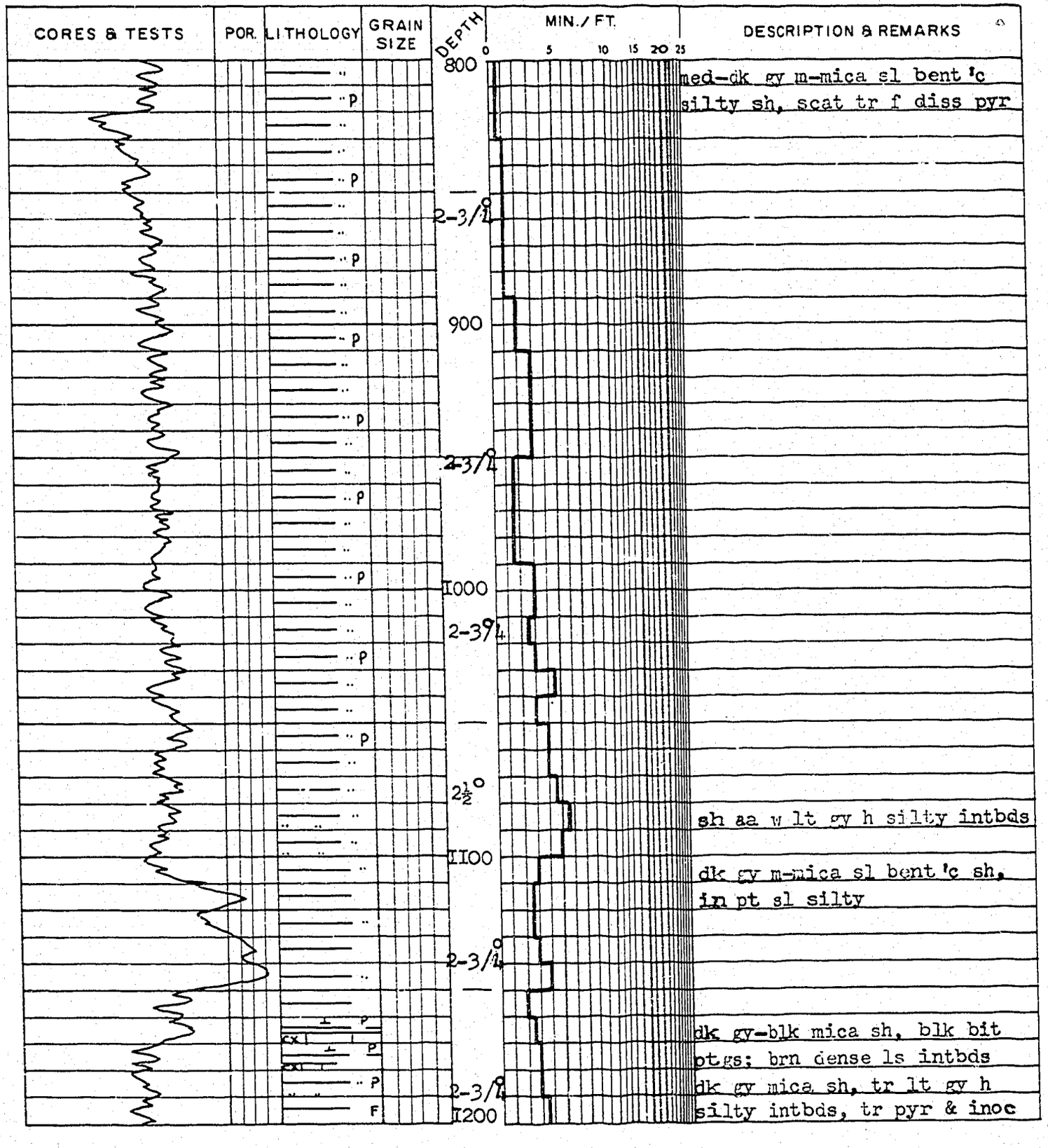
WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. 10/73

INTERVAL SHOWN: 800 - 1200 PAGE NO. 3

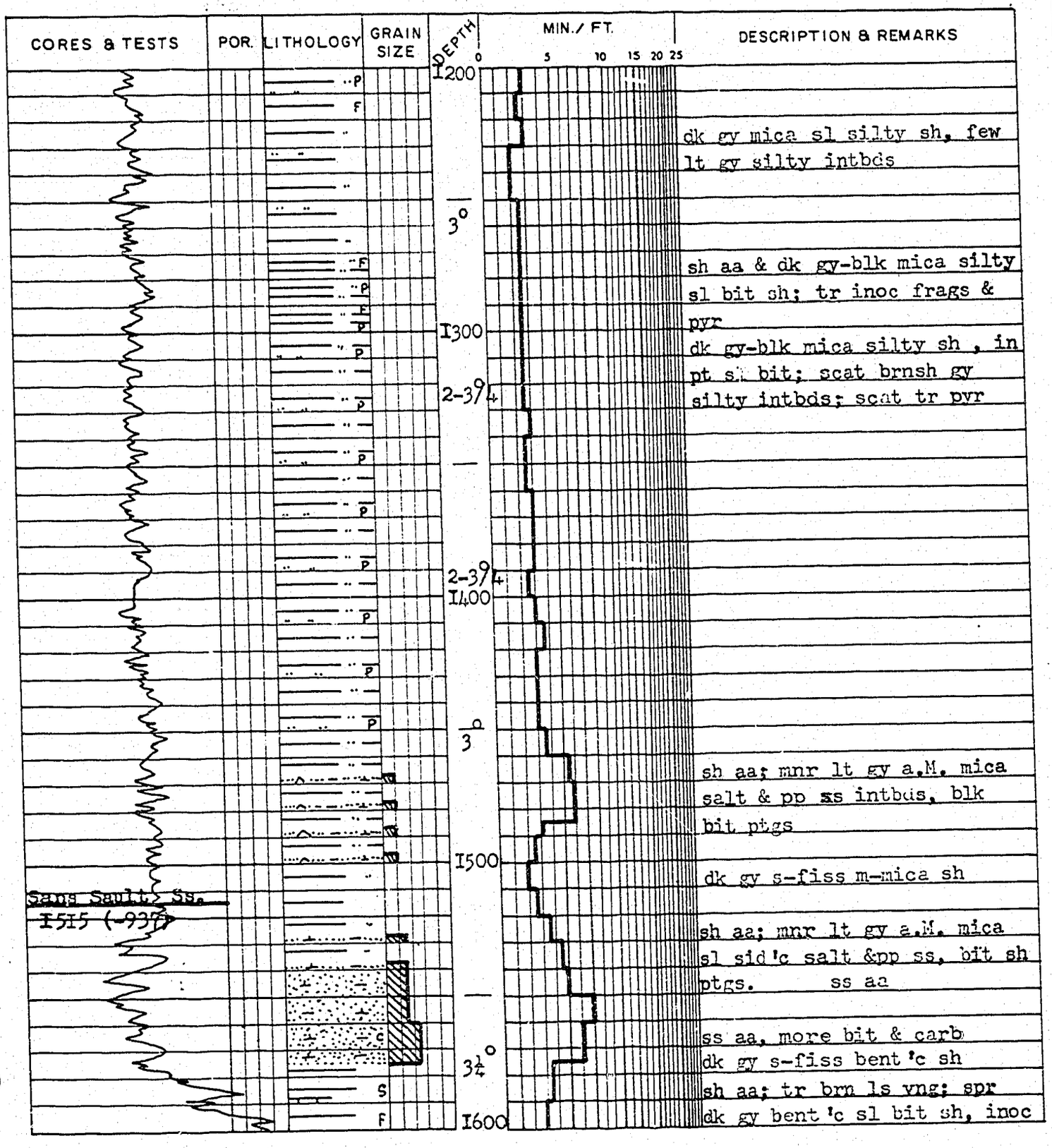


H.B.TIFFIN, P.Geol., CALGARY, ALBERTA Telephone Bus. 263-2514 Res. 289-1284

WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. II/73

INTERVAL SHOWN: I200 - I600 PAGE NO. 4



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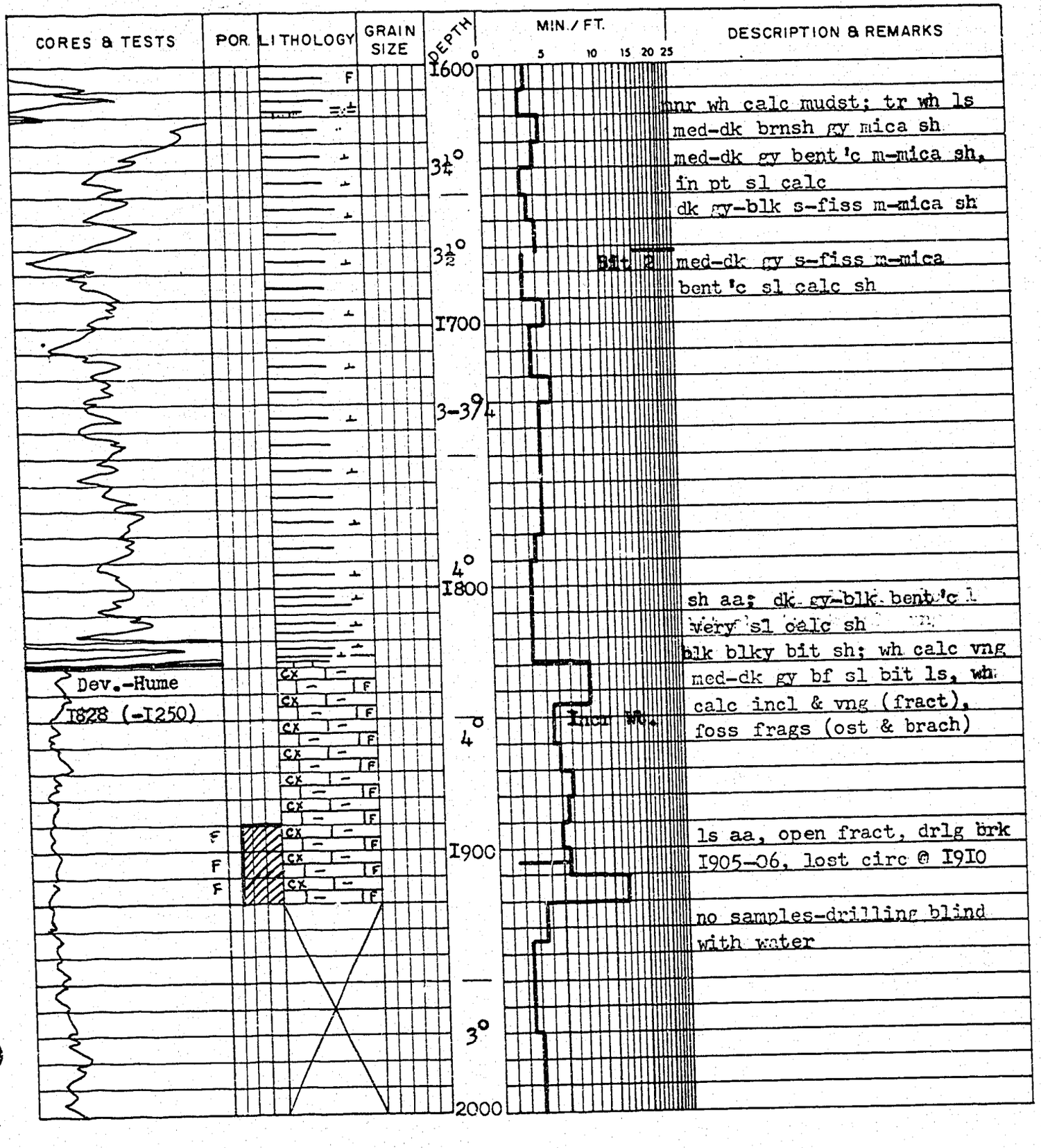
WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. I2/73

INTERVAL SHOWN: I600 - 2000 PAGE NO. 5

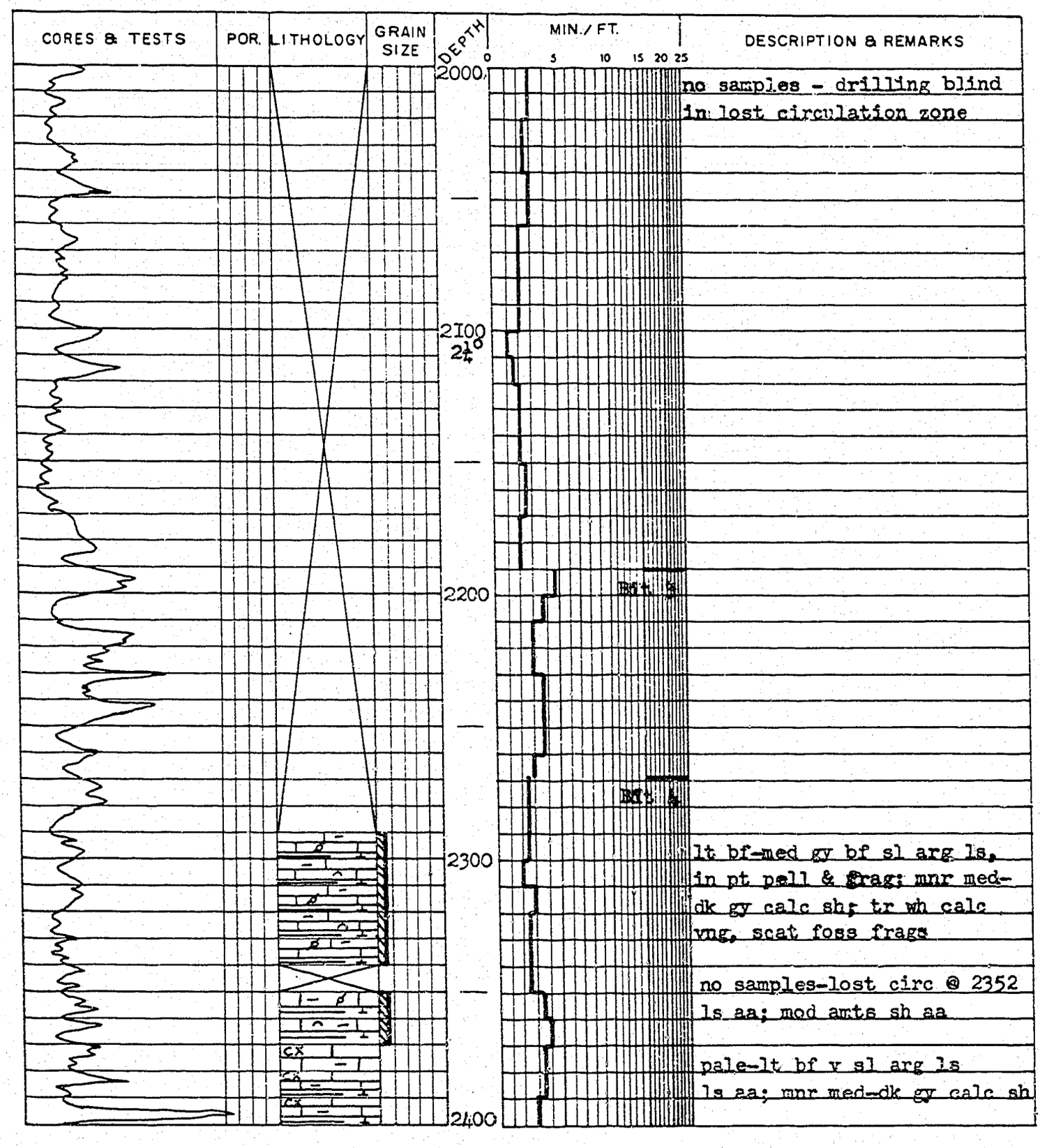


H.B.TIFFIN, P.Geol., CALGARY, ALBERTA Telephone: Bus. 263-2514 Res. 289-1284

WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. 17/73

INTERVAL SHOWN: 2000 - 2400 PAGE NO. 6



DESCRIPTION & REMARKS

no samples - drilling blind in lost circulation zone

lt bf-med gy bf sl arg ls, in pt pell & frag; mnr med-dk gy calc sh; tr wh calc vng, scat foss frags

no samples-lost circ @ 2352

ls aa; mod amts sh aa

pale-lt bf v sl arg ls

ls aa; mnr med-dk gy calc sh

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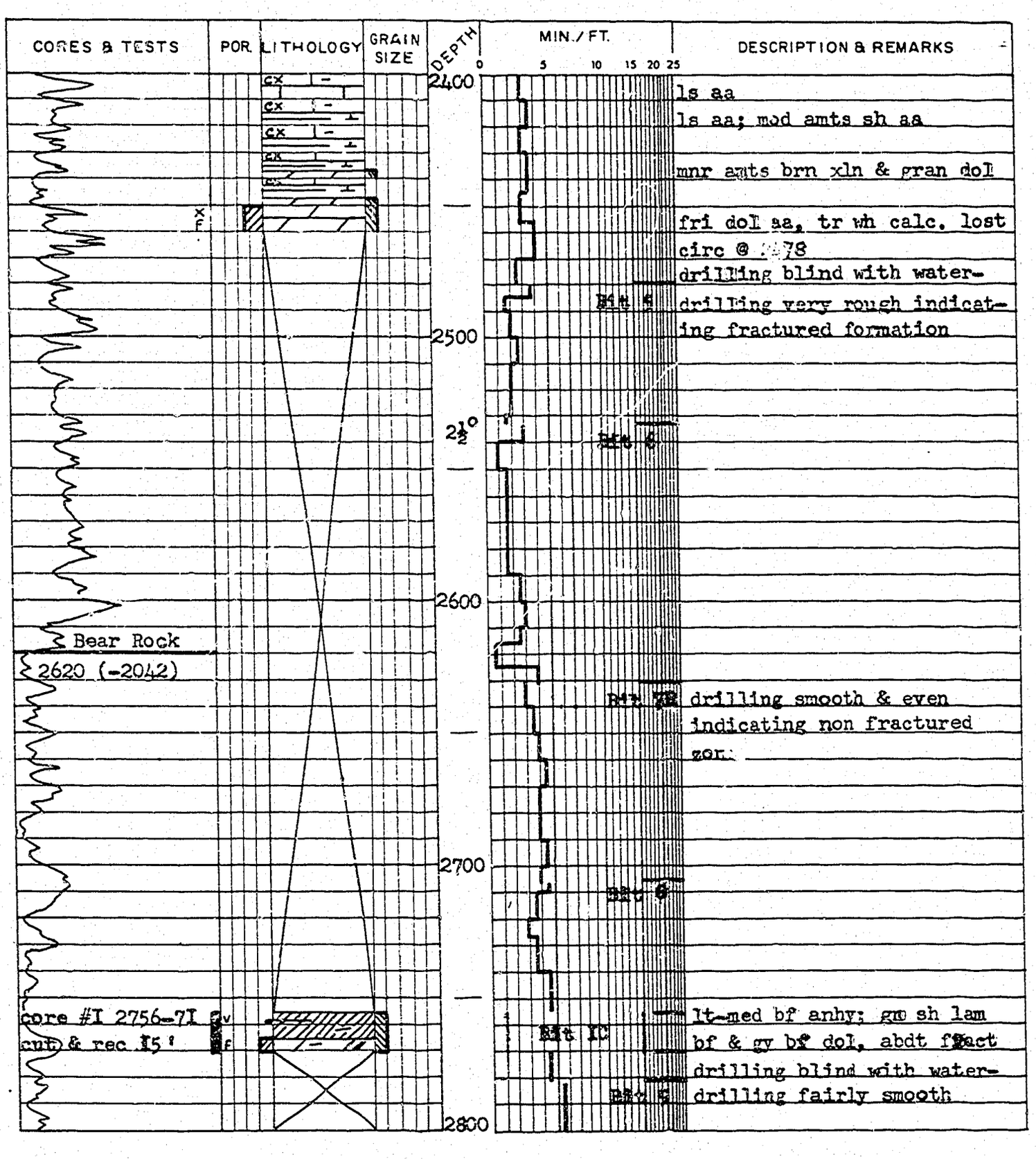
WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Jan. 22/73

INTERVAL SHOWN: 2400 - 2800 PAGE NO. 7



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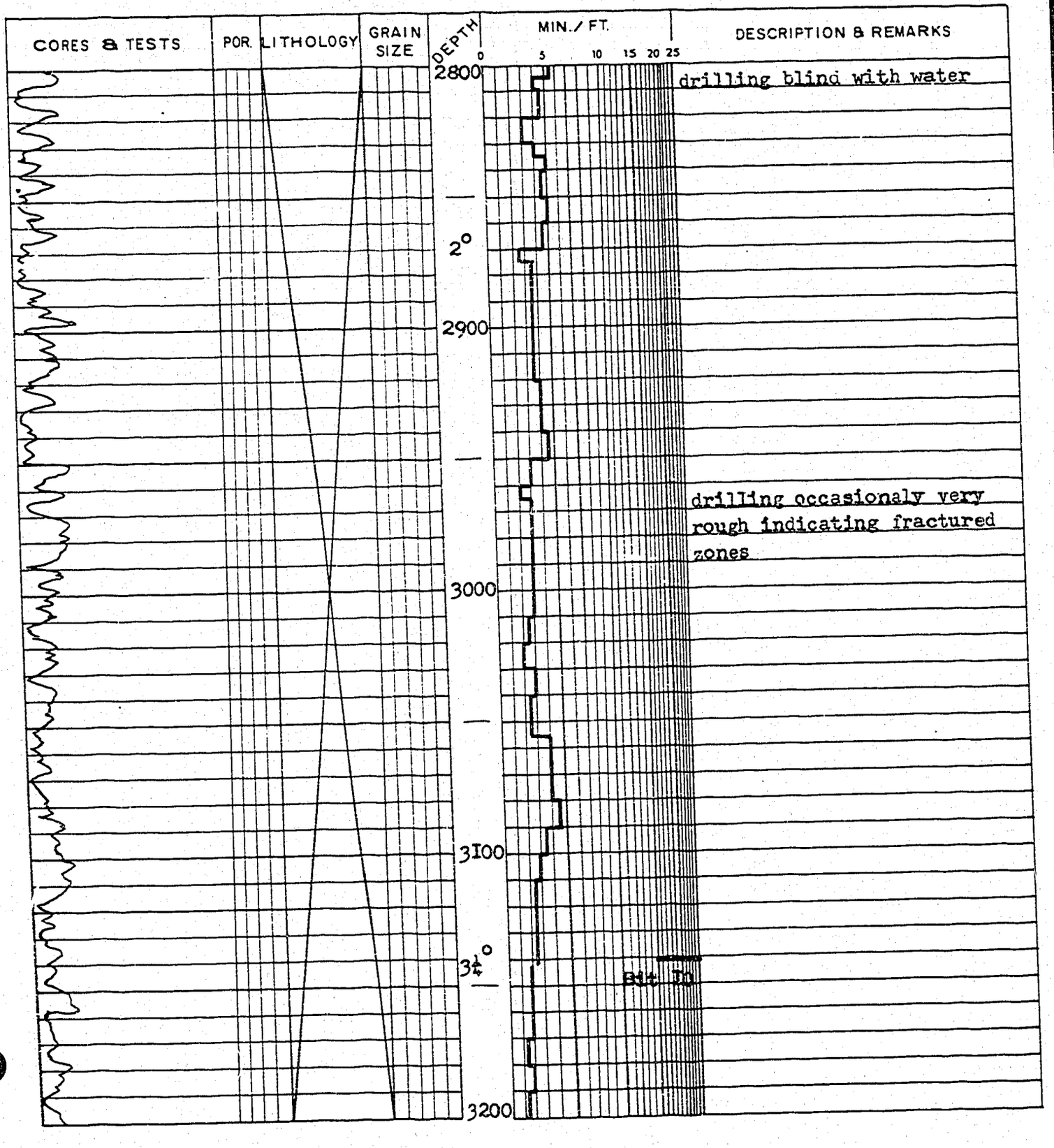
WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78

DATE: Jan. 31/73

INTERVAL SHOWN: 2800 - 3200

PAGE NO. 8

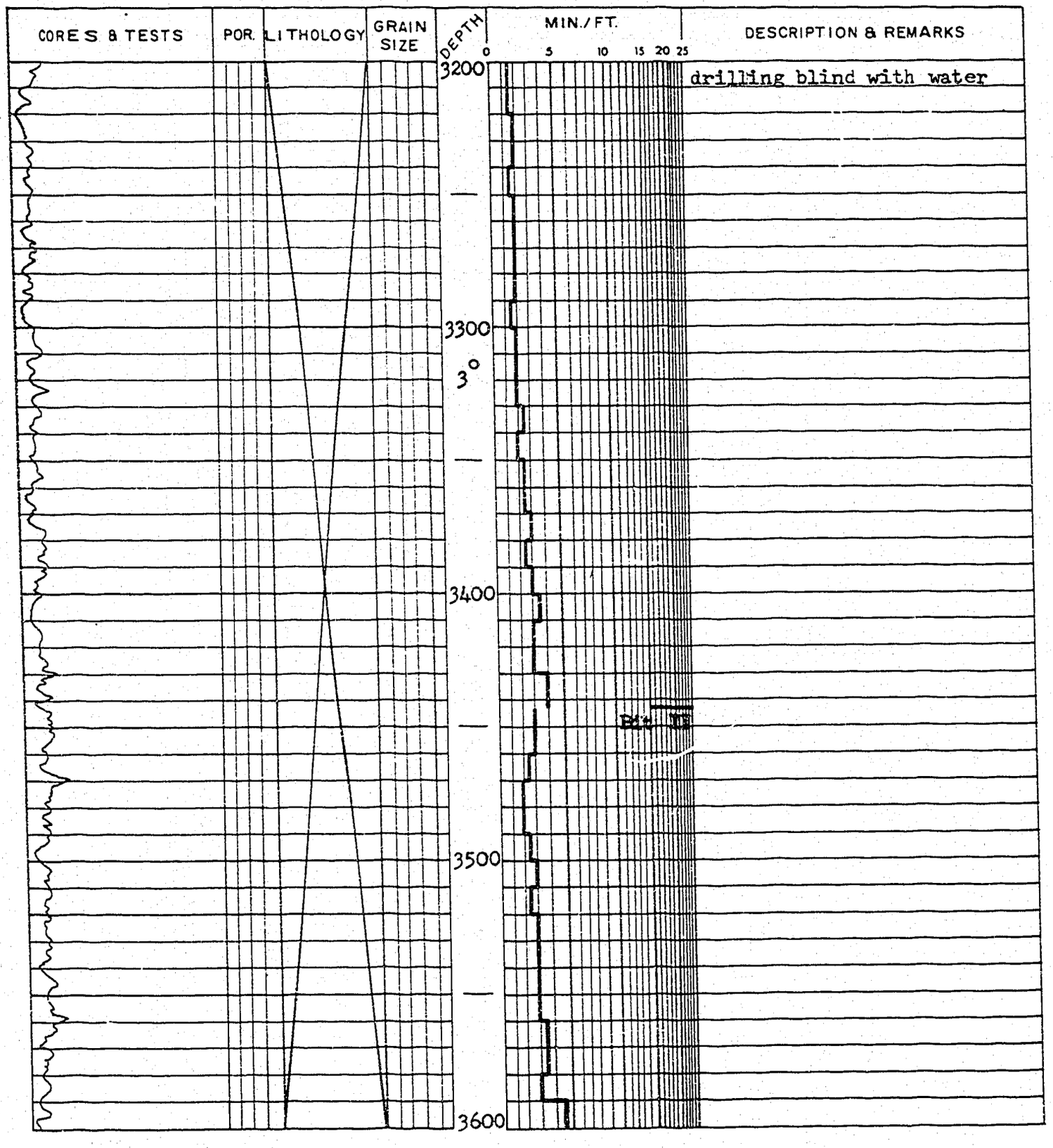


H.B.TIFFIN, P.Geol., CALGARY, ALBERTA, Telephone: Bus. 263-2514 Res. 289-1284

WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Feb. 4/73

INTERVAL SHOWN: 3200 - 3600 PAGE NO. 9



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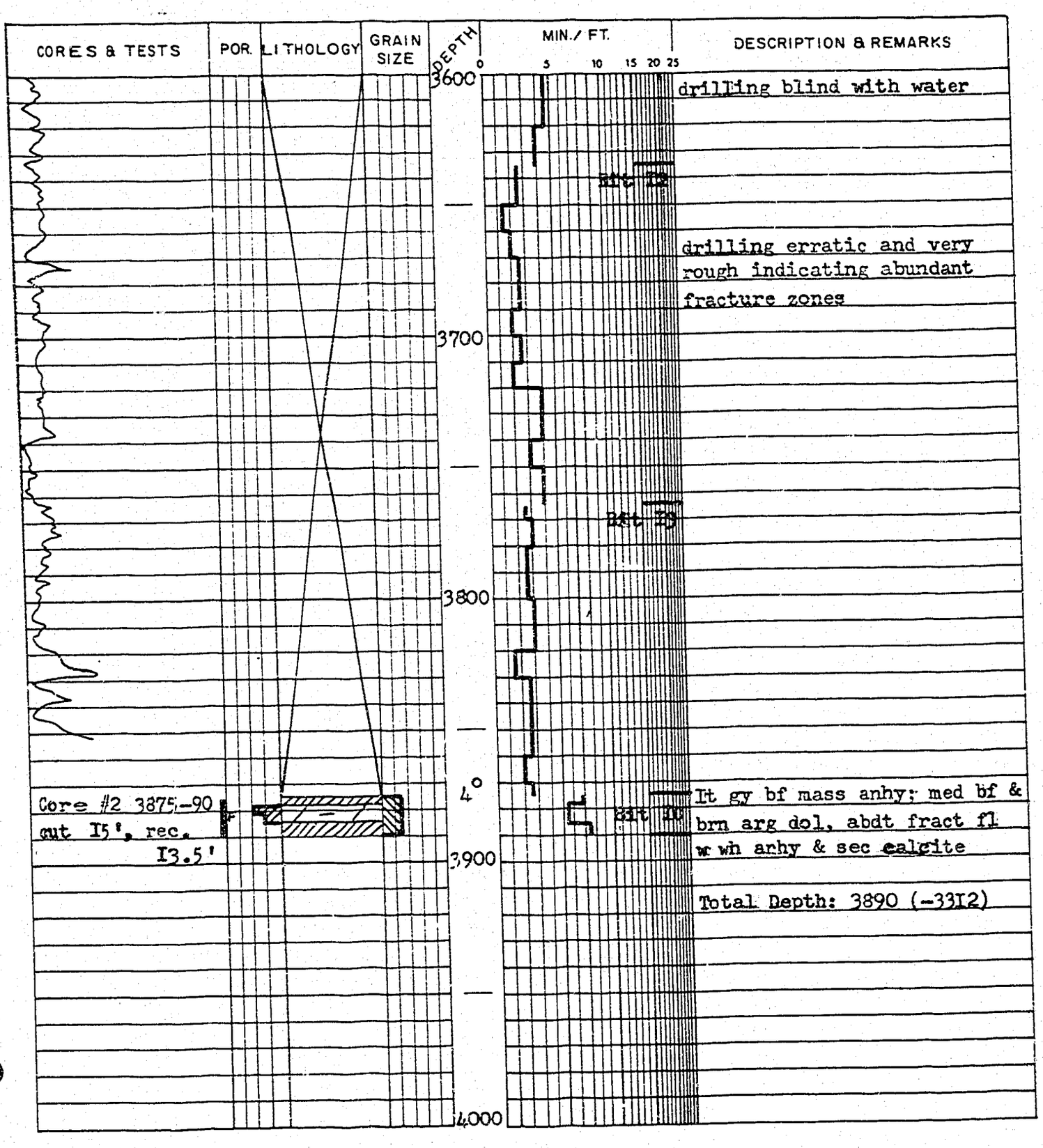
WELL HISTORY LOG

WELL NAME: Decalta CS Mesa Redstone P78 DATE: Feb. 7/73

INTERVAL SHOWN: 3600 - 3890 PAGE NO. I0



H.B.TIFFIN, P.Geol., CALGARY, ALBERTA Telephone: Bus. 263-2514 Res. 289-1284

ENGINEERING PIPE TALLY SHEET

WELL NAME Decalta CS Mesa Redstone P78 DATE January 7, 1973

33	00	32	95						
29	68								
28	90								
31	76								
33	25								
28	94								
33	10								
28	08								
31	65								
32	20								
30	78								
33	75								
29	18								
27	70								
32	30								
33	48								
31	87								
33	86								
33	60								
25	37	(Landing Jt.)							
622	45	32	95						

TUBING/CASING

O.D. 9-5/8"

Wt. 36#

Grade KS

Range 1

Thread 8 Rd

Collar ST & C

Make Jap

SUMMARY		
Col. 1	622	45
2	32	95
3		
4		
5		
	655	40
Fwd.		
Fwd.		
Fwd.		

Tallied by: Leslie Sweezey

21 Tot. Jts. on location

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

20 Jts. perm. in hole

Remarks:

Agent of Operator Brian Briscoe

CASING INFORMATION

Surface Casing X
Intermediate Casing O.D. 9-5/8"
Production Casing
Liner

Well Decalta CS Mesa Redstone P78 Location 64° 07' 57" N. Date January 7, 1973
124° 28' 15" W.

Jts. on Locat.	Ft. on Locat.	Csg. Wt.	Gr.	Rge.	Thd.	T.&C.	Make	Jts. Run	Depth Landed	Ft. Run in Well
21	655.40	36	KS	I	8 Rd.	S	Jap	21	629	630.03

Shoe: Make Baker	Type Shoe	Length	1.10
Collar: Make Baker	Type Float	Length	1.47
Landing Joint (when used) Length			25.37
Overall Length of Casing String			657.99
Feet up from K.B. (Subtract)			28.97
Setting Depth:	By Driller	By Tally	629.00
Shoe Joint:	Overall	(Subtract)	
Float Collar Landed:	By Driller	By Tally	

CENTRALIZERS

Make Baker

Number 2

Positions 1st Joint

SCRATCHERS

Make

Number

Positions Top of 3rd Joint

No. of Collars Welded 2 Joints, Baker Thread Lock

Remarks:

Agent of Operator Brian Briscoe

RUNNING AND CEMENTING

Surface Casing X
Intermediate Casing O.D. 9-5/8"
Production Casing
Liner

GENERAL

Well Decalta CS Mesa Redstone P78 Location 64° 07' 57" N 124° 28' 15" W. Date January 8, 1973

K.B. Elevation _____ K.B.-Csg. Flge. _____ Total Depth (Driller) 629

Hole Size	12 1/4"			Casing in Hole	630.03	
Depth	629			Depth Set	629	

Mud: Type Gel-Caustic Wt. 9.2 Visc. 62 W.L. _____

B.O.P.'s 10" 900 Series Hydril, 10" 900 Series Schaeffer

RUNNING

Power Tongs _____ Torque: Max. _____ Nom. _____ Min. _____

Time pipe started _____ Time on Bottom _____ Time Circulated _____

Fill-up Points every second joint Btm. by Csg. _____ Ft. up from K.B. _____

Remarks _____

CEMENTING

Cement Co. Guthrie McLaren Operator Brian Briscoe Time on Location _____

Types & Quantities of Cement 300 sax construction cement plus 2% Calcium Chloride

_____ Ht. to be Cemented 629'

Water ahead 10 bbls. Mix Times: Start _____ Finish _____ Slurry Wt. 14#

Calc. Disp. 49 bbls. Est. Disp. Time _____ Mins. Start _____ Finish _____

Max. Pumping Press. 300 Bump. Press 1100 Bumped by L. Sweezey No. Times Bumped 2

Cement Returns: Yes/No. Remarks Good Returns

LANDING

Time Landed 5:30 p.m. Date Jan. 8/73 Init. Wt. of Cem. String (less blocks) 14,500

Wt. Landed in Slips None Make of Bowl Cameron Nom. Size 10" Series 900

Slip & Seal Assembly None Remarks _____

Agent of Operator Brian Briscoe

BIT RECORD

No.	Size	Type	Jets	From	To	Ftge.	Hrs.	Cond.
S1	9	YT1	Con	58	264	206	7	111
S2	12 1/4	S3T-J	Con	58	264	206	4 1/4	ream
				206	629	423	4	421
1	8 3/4	ST1AGJ	3/12	629	1672	1043	51 1/2	511
2	8 3/4	SS1GJ	1/13 2/12	1672	2062	390	28 1/4	781
3	8 3/4	M44N	open	2062	2268	206	9	321
4	8 3/4	M44N	open	2268	2478	210	10 1/2	541
5	8 3/4	SS1GJ	3/16	2478	2533	55	2 1/4	511
6	8 3/4	SS1GJ	3/10	2533	2631	98	4	511
7RR	8 3/4	M44N	3/10	2631	2707	76	5 1/2	411
8	8 3/4	SS1GJ	3/16	2707	2782	75	6 1/4	311
1-C	6 3/16	Dia.		2756	2771	15	3 3/4	Good
9	8 3/4	SS1GJ	3/11	2782	3142	360	22 3/4	541
10	8 3/4	M44N	3/11	3142	3443	301	12 1/4	441
11	8 3/4	M44N	3/11	3443	3635	192	11	611
12	8 3/4	M44N	3/11	3635	3764	129	6	311
13	8 3/4	M44N	3/11	3764	3875	111	5 1/4	411
1-C	6 3/16	Dia.		3875	3890	15	1 1/2	Good

MUD REPORT

The following are the types and amounts of mud and chemical used. Kwik Seal and Sawdust were used to try to control lost circulation and are reported under lost circulation zones. Daily mud properties are reported under Daily Progress Reports.

Gel	93,000 lbs.
Caustic	1,750 lbs.

DEVIATION RECORD

Depth - Ft.	Deviation - Degrees
110	3/4
202	1
233	1
327	1/4
480	1/8
629	1/8
749	1 3/4
888	2 3/4
1013	2 3/4
1075	2 1/2
1138	2 3/4
1200	2 3/4
1263	3
1325	2 3/4
1391	2 3/4
1453	3
1578	3 1/4
1641	3 1/4
1672	3 1/2
1733	3 3/4
1795	4
1857	4

DEVIATION RECORD (Cont'd)

Depth - Ft.	Deviation - Degrees
1979	3
2103	2 1/4
2533	2 1/2
2870	2
3142	3 1/4
3318	3

ABANDONMENT PLUGS

All plug volumes based on caliper log with 25% excess cement.

Plug #1 — 3890 - 3790 — 55 sks cement + 2% $CaCl_2$
Plug down 11:50 a.m. February 11/73
Wait 8 hours and feel for Plug #1
Topped @ 3783'

Plug #2 — 2670 - 2570 — 55 sks cement + 2% $CaCl_2$
Plug down 8:15 p.m. February 11, 1973
Wait 8 hours and feel for Plug #2
Not in place

Plug #2RR — 2670 - 2570 — 55 sks cement + 2% $CaCl_2$
Plug down 3:30 a.m. February 12, 1973
Wait 8 hours and feel for Plug #2
Topped @ 2620'

Plug #2RR — 2620 - 2570 — 55 sks cement + 2% $CaCl_2$
Plug down 1:30 p.m. February 12, 1973
Wait 8 hours and feel for Plug #2
Topped @ 2560'

Plug #3 — 1878 - 1778 — 55 sks cement + 2% $CaCl_2$
Plug down 9:45 p.m. February 12, 1973
Wait 8 hours and feel for Plug #3
Topped @ 1769'

Plug #4 — 679 - 579 — 55 sks cement + 2% $CaCl_2$
Plug down 6:00 a.m. February 13, 1973
Wait 8 hours and feel for Plug #4
Topped @ 574'

Plug #5 — Cut casing off 3 feet below ground level
Cement top of casing with 5 sks cement
Weld plate and well number to top of casing

Lost Circulation Zones

The Hume Formation was encountered at 1828 feet and circulation was first lost at 1910 feet due to open fractures in the formation. Except for the interval 2290-2460 where partial returns were obtained (estimated 75%) complete circulation was never obtained during the remainder of the well.

Initially eight batches of heavy mud with lost circulation additives were pumped into the formation in an attempt to seal off the fractures. These treatments did not even obtain partial returns.

The next phase of treatments consisted of forcing down the hole spruce boughs and trees together with rolls of plastic sheeting, plastic bags and tin cans. This material was forced to bottom, ground up with the bit and forced into the formation by pumping water. This operation was followed by running a cement plug. A total of eight cement plugs were run. In the case of four of the plugs no trace of cement could be found in the hole after waiting eight hours. In the case of the other four plugs 25 - 50% of the cement run was encountered as much as 600 feet lower in the hole from the setting depth. In each case partial returns were obtained until the cement had been drilled out followed by complete loss of returns.

Circulation was first lost on January 13, 1973 and Plug #8 was run on January 29, 1973. It was decided at this point to drill blind with water to finish the hole to contract depth.

The well penetrated the Hume Formation and bottomed in the Bear Rock Formation at 3890 feet. Fracturing occurred in both formations and cycle skipping on the Sonic Log places the worst fracturing in the following intervals: 2015-26, 2445-55, 2470-80, 2610-23 and 3710-30.

The following table is a list of materials lost in the open fractures in the Hume and Bear Rock Formations.

Date	Depth	Water (Gals.)	Gel (lbs.)	Caustic (lbs.)	Sawdust (Sks)	Kwik Seal (Sks)	Cement (Sks)	Spruce Trees	Miscellaneous
January									
14/73	1910	20,000	11,200	200	45				
15/73	1920	50,000	20,200	350	150	81			
16/73	1920	35,000	8,100	200	84	35			
17/73	2005	38,000							
18/73	2190	110,000							
19/73	2199	80,000	19,000	300	66	48			
20/73	2268	80,000			5			50	
21/73	2352	40,000			20			50	
22/73	2478	45,000					30		
23/73	2533	80,000	7,800	100	27		30		
24/73	2631	50,000					30		
25/73	2707	50,000					60		
26/73	2725	40,000						80	1 - 5' roll plastic 2 - wheel barrow loads tin cans
27/73	2756	45,000			20		30	50	Plastic bags & tin cans
28/73	2771	80,000							
29/73	2782	40,000					30	50	
30/73	2782	25,000					60		
31/73	2805	40,000			120	7			

Date	Depth	Water (Gals.)	Gel (lbs.)	Caustic (lbs.)	Sawdust (Sks.)	Kwik Seal (Sks.)	Cement (Sks)	Spruce Trees	Miscellaneous
February									
1/73	2870	40,000							
2/73	2952	40,000							
3/73	3055	60,000							
4/73	3161	40,000							
5/73	3370	60,000							
6/73	3540	50,000							
7/73	3635	50,000							
8/73	3764	40,000							
9/73	3890	80,000							

DAILY DRILLING REPORTS

January 7/73	Depth 8:00 a.m.: 172' Progress: 114' Mud Wt.: 8.5 Vis.: 35	Operation: Drilling Hrs. on bottom: 3 3/4 Additives: 3000# Gel 150# Caustic
January 8/73	Depth 8:00 a.m.: 550' Progress: 286' Mud Wt.: 9.8 Vis.: 45 pH: 10.5	Operation: Drilling Hrs. on bottom: 10 1/2 Additives: 8400# Gel 150# Caustic
January 9/73	Depth 8:00 a.m.: 629' Progress: 79' Mud Wt.: 10.0 Vis.: 60 pH: 10.5	Operation: W.O.C. Hrs. on bottom: 1 Additives: 1800# Gel 50# Caustic
January 10/73	Depth 8:00 a.m.: 629' Progress: nil	Operation: Nippling Up Hrs. on bottom: nil
January 11/73	Depth 8:00 a.m.: 1138' Progress: 509' Mud Wt.: 8.7 Vis.: 28	Operation: Drilling Hrs. on bottom: 18 1/4 Additives: Water
January 12/73	Depth 8:00 a.m.: 1515' Progress: 377' Mud Wt.: 8.6	Operation: Drilling Hrs. on bottom: 21 1/2 Additives: water
January 13/73	Depth 8:00 a.m.: 1795' Progress: 280' Mud Wt.: 8.9 Vis.: 33	Operation: Drilling Hrs. on bottom: 20 Additives: 6500# Gel 100# Caustic
January 14/73	Depth 8:00 a.m.: 1910' Progress: 115' Mud Wt.:8.9 Vis.:37	Operation: Mix mud & sawdust Hrs. on bottom: 10 1/4 Additives: 11,200# Gel 200# Caustic 45 Sax Sawdust
January 15/73	Depth 8:00 a.m.: 1920 Progress: 10' Mud	Operation: Mix mud & sawdust Hrs. on bottom: 2 1/2 Additives: 20,200# Gel 350# Caustic 81 Sax Kwik Seal 150 Sax Sawdust

January 16/73 Depth 8:00 a.m.: 1920'
Progress: nil
Mud

Operation: Run in hole
Hrs. on bottom: nil
Additives: 8100# Gel
200# Caustic
35 Sax Kwik Seal
81 Sax Sawdust

January 17/73 Depth 8:00 a.m.: 2005'
Progress: 85'
Mud: Water

Operation: Mix mud
Hrs. on bottom: 11
Additives: nil

January 18/73 Depth 8:00 a.m.: 2190'
Progress: 185'
Mud

Operation: Mix mud
Hrs. on bottom: 7 1/4
Additives: water

January 19/73 Depth 8:00 a.m.: 2199'
Progress: 9'
Mud - heavy

Operation: Fill mud tanks
Hrs. on bottom: 1/2
Additives: 19,000# Gel
300# Caustic
48 Sax Kwik Seal
66 Sax Sawdust

January 20/73 Depth 8:00 a.m.: 2268'
Progress: 69'
Mud: water

Operation: Tripping
Hrs. on bottom: 3 3/4
Additives: Spruce Trees
5 Sax Sawdust

January 21/73 Depth 8:00 a.m.: 2352'

Progress: 84'
Mud: water

Operation: Haul Water - building volume
Hrs. on bottom: 3 3/4
Additives: spruce boughs & trees
20 Sax Sawdust

January 22/73 Depth 8:00 a.m.: 2478'

Progress: 126'
Mud: Water

Operation: Haul Water - building volume
Hrs. on bottom: 7
Additives: Water

January 23/73 Depth 8:00 a.m.: 2533'

Progress: 55'
Mud Wt.: 8.6
Vis.: 45

Operation: Haul Water - building volume
Hrs. on bottom: 2 1/4
Additives: 7800# Gel
100# Caustic
27 Sax Sawdust

January 24/73 Depth 8:00 a.m.: 2631'

Progress: 98'
Mud: Water

Operation: Haul Water - building volume
Hrs. on bottom: 4
Additives: water

January 25/73 Depth 8:00 a.m.: 2707'
Progress: 76'
Mud: water

Operation: Tripping and haul water
Hrs. on Bottom: 5 1/2
Additives: water

January 26/73 Depth 8:00 a.m.: 2725'
Progress: 18'
Mud: water

Operation: Haul water - Cut spruce trees
Hrs. on bottom: 1 1/2
Additives: water

January 27/73 Depth 8:00 a.m.: 2756'
Progress: 31'
Mud: water

Operation: Tripping
Hrs. on bottom: 2 1/2
Additives: water
20 Sax Sawdust

January 28/73 Depth 8:00 a.m.: 2771'
Progress: 15' (Core)
Mud: water

Operation: Push trees in hole
Hrs. on bottom: 3 3/4
Additives: water

January 29/73 Depth 8:00 a.m.: 2782'
Progress: 11'
Mud: water

Operation: Haul water & W.O.C.
Hrs. on bottom: 3/4
Additives: water

January 30/73 Depth 8:00 a.m.: 2782'
Progress: nil
Mud Wt.: 8.8
Vis.:40

Operation: Tripping
Hrs. on bottom: nil
Additives: 7,000# Gel
150# Caustic
50 Sax Sawdust

January 31/73 Depth 8:00 a.m.: 2805'
Progress: 23'
Mud Wt.: 8.8
Vis.: 40

Operation: Haul water - building volume
Hrs. on bottom: 1 3/4
Additives: 120 Sax Sawdust
7 Sax Kwik Seal

February 1/73 Depth 8:00 a.m.: 2870'
Progress: 65'
Mud: Water

Operation: Haul water - building volume
Hrs. on bottom: 5
Additives: water

February 2/73 Depth 8:00 a.m.: 2952'
Progress: 82'
Mud: Water

Operation: Trip in
Hrs. on bottom: 5 1/2
Additives: water

February 3/73 Depth 8:00 a.m.: 3055'
Progress: 103'
Mud: Water

Operation: Drill with water
Hrs. on bottom: 6
Additives: water

February 4/73 Depth 8:00 a.m.: 3161'
Progress: 106'
Mud: Water

Operation: Tripping
Hrs. on bottom: 5
Additives: water

February 5/73 Depth 8:00 a.m.: 3370'
Progress: 209'
Mud: Water
Operation: Drilling
Hrs. on bottom: 7 1/2
Additives: water

February 6/73 Depth 8:00 a.m.: 3540'
Progress: 170'
Mud: Water
Operation: Drilling
Hrs. on bottom: 9 1/4
Additives: water

February 7/73 Depth 8:00 a.m.: 3635'
Progress: 95'
Mud: Water
Operation: Haul water building volume
Hrs. on bottom: 6
Additives: water

February 8/73 Depth 8:00 a.m.: 3764'
Progress: 129'
Mud: Water
Operation: Haul Water building volume
Hrs. on bottom: 6
Additives: water

February 9/73 Depth 8:00 a.m.: 3890'
Progress: 111'(Drill)
Core 15'
Mud: Water
Operation: Wait on Schlumberger
Hrs. on bottom: 6 3/4
Additives: water

February 10/73
Depth 8:00 a.m.: 3890'
Progress: nil
Operation: Logging
Hrs. on bottom: nil

February 11/73
Depth 8:00 a.m.: 3890'
Progress:nil
Operation: Waiting on Orders
Hrs. on bottom: nil

February 12/73
Depth 8:00 a.m. : 3890'
Progress: nil
Operation: Waiting on Cement
Hrs. on bottom: nil

February 13/73
Depth 8:00 a.m.: 3890
Rig Released: February 13, 1973
Operation: Waiting on Cement

SECTION IV - LOGS

Date	Type	Intervals	Scales
Feb. 9/73	BHC Sonic	623-3878	2" & 5"
Feb. 9/73	Dual Induction - Laterolog	623-3874	2" & 5"
Feb. 9/73	Sidewall Neutron Porosity Log	871-3872	2" & 5"
Feb. 9/73	Formation Density Log	869-3870	2" & 5"

Decalta CS Mesa Redstone P-78
(64-10-124-15)

D.A. 655

Nº 4429

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name	DECALTA CS MESA REDSTONE P-78
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.	
Date	FEB. 13 1973
Weather Condition	Cold.
Road Conditions	Good
Nearest Town	Norman Wells.
Water - Source	Lake
Miles Hauled	2½
Pumped	
Camp Distance from Rig	200 YDS.
Reason for Extra L. Plant	STANDBY.

OPERATOR	Rig No.	Drill Pipe String No.	Drill Pipe String Size	Tool Joint	Type Thd.
WESTERN DECALTA.	2 DWKS IDECO 7-11	2	3½	6" O.D.	F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM600	16
2.	NAT	C150B	12.
3.			

LAST CASING TUBING OR LINER	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks

TIME DISTRIBUTION—HOURS	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

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

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

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	Stands D.P.	Ft.
	Singles D.P.	Ft.
	D.C. I.D. O.D.	Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	Ft.
	Total	Ft.
Wt. of String		Lbs.
Pipe in Hole		Jts.
Pipe on Racks		Jts.
Total Pipe on Lease		Jts.

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

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

FOOTAGE: From / To / Ftge. | DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press. | Pump No. 1 Liner Size, S.P.M. | Pump No. 2 Liner Size, S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth / Dev. / Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	445	4¾						WAIT ON CEMENT.
445	515	½						Feel plug #3 @ 1769
515	600	¾						Pull up Run plug #4 @ 679 to 579
600	800	2						Lay down pipe & wait on cement.
								Ran plug #4 @ 679 to 579
								55 sks cement + 2% Cacl.
								plug in place @ 6 AM FEB. 13-73

DAY TOUR

(Drilling Assembly, Bit Record and Mud Record blank — same fields as Morning Tour.)

FOOTAGE / FORMATION / Deviation Record: blank.

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	100	5						WAIT ON CEMENT. TEAR OUT BOPS
100	115	¼						Run in Feel plug #4 @ 574
115	400	2¾						Lay down pipe & TEAR OUT RIG
								Cut off casing 3 feet [illegible] Ground level
								Weld on pl [illegible] 5 sks cement
								Weld on plate & well number.
								Used rig cement [illegible]
								Run plugs.

[stamp]

EVENING TOUR

(Drilling Assembly, Bit Record and Mud Record blank — same fields as Morning Tour.)

FOOTAGE / FORMATION / Deviation Record: blank.

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	1200							TEAR OUT RIG

No. 4428

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESA RIG 5 — Date: FEB. 12 19 73

Location — Lsd. ___ Sec. P — Twp. 7 8 Rge. ___ W. ___ M.

Weather Condition: Cold -45 — Road Conditions: Good — Nearest Town: NORMAN WELLS — Water - Source: LAKE — Miles Hauled: 2 2 — Pumped: ___ — Camp Distance from Rig: 200 FT — Reason for Extra L. Plant: STANDBY

OPERATOR: WESTERN DECALTA.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Sweezey

Rig No. 2 — DWKS — Drill Pipe String: No. ___ Size 4½ — Tool Joint 6" O.D. — Type Tbd. — F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MH600	6
2.	NAT	C150B	12
3.			

LAST CASING TUBING OR LINER

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

TIME DISTRIBUTION—HOURS

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

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines ___ Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
	Wt. of String	Lbs.	Reamer No.	
	Pipe in Hole	Jts.	Reamer Type	
	Pipe on Racks	Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Total Pipe on Lease	Jts.	Trucker	
			Trucker	
			Trucker	

MUD RECORD

Time				
Weight				
Visc.-Sec.				
W.L.-C.C.				
FL TR. CK.				
PH				
SD. Cont. %				
Pressure Gradient				

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	215	2¼						WAIT ON CEMENT.
215	300	¾						RUN IN FEEL FOR Plug # 2. (NOT in place)
300	330	½						RE Run Plug # 2.
330	415	¾						TRIP TO SURFACE CASING
415	800	3¾						WAIT ON CEMENT.

RE Run Plug # 2. 2670 To 2570
55 SKS CEMENT @ 2% CaCl2.
Plug in PLACE 330 AM FEB. 12-73.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
	Wt. of String	Lbs.	Reamer No.	
	Pipe in Hole	Jts.	Reamer Type	
	Pipe on Racks	Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Total Pipe on Lease	Jts.	Trucker	
			Trucker	
			Trucker	

MUD RECORD

Time				
Weight				
Visc.-Sec.				
W.L.-C.C.				
FL TR. CK.				
PH				
SD. Cont. %				
Pressure Gradient				

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	930	1½						WAIT ON CEMENT.
930	1000	½						RUN IN FEEL FOR Plug # 2 @ 2620
1000	1100	1						TRIP OUT
1100	100	2						PUSH OUT CEMENT Plug Down. 2620
100	130	½						RECEMENT Plug NO 2 Floats 2620-25
130	230	1						TRIP OUT
230	400	1½						WAIT ON CEMENT.

RECEMENT Plug # 2. 2620 To 2570
55 SKS CEMENT @ 2% CACL2
Plug in PLACE @ 130 PM FEB. 12-73.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
	Wt. of String	Lbs.	Reamer No.	
	Pipe in Hole	Jts.	Reamer Type	
	Pipe on Racks	Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
	Total Pipe on Lease	Jts.	Trucker	
			Trucker	
			Trucker	

MUD RECORD

Time				
Weight				
Visc.-Sec.				
W.L.-C.C.				
FL TR. CK.				
PH				
SD. Cont. %				
Pressure Gradient				

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	800	4						WAIT ON CEMENT.
800	845	¾						RUN IN TO FEEL Plug # 2. @ 2560
845	945	1						PUSH UP RUN Plug # 3 @ 1878 To 1778
945	1200	2¼						TRIP OUT WAIT ON CEMENT.

RAN Plug # 3 @ 1878 To 1778
55 SKS CEMENT 2% CaCl2.
Plug in place. 945 PM FEB. 12-73.

No. 4427

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESA — Date: FEB. 11 1973

Location — Lsd. RGE. Sec. STONE Twp. Rge. P-78 M.

Weather Condition: Cold-20 Road Conditions: Good Nearest Town: NORMAN WELLS

Water - Source: LAKE Hrs Hauled: 2-2 Pumped — Camp Distance from Rig: 100 yds — Reason for Extra L. Plant: Standby

OPERATOR: WESTERN DECALTA

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Swingley

Rig No. 2 DWKS

Drill Pipe String: No. 4 Size 3½

Tool Joint: 6 O.D. Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM 600	16
2.	NAT	C150B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	IAP	36	20	6		629	KB CEMENTED WITH 200 SK CEMENT 2% CaCl

TIME DISTRIBUTION—HOURS

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

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1⅛
Feet Slipped	109
Feet Cut Off	168
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	
Cumulative Rotating Hrs.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	MUD RECORD
36	Stands D.P.	Ft.	Bit No.	Time
1	Singles D.P.	3394.16 Ft.	Size	Weight
15	D.C. 24 I.D. 6¼ O.D.	461.00 Ft.	Mfg.	Visc.-Sec.
	D.C. I.D. O.D.	Ft.	Type	W.L.-C.C.
	Stb. Body O.D.	Ft.	Nozzle No. / Size	FL TR. CK.
	Stb. Body O.D.	Ft.	Ser. No.	PH
	Rmr. Body O.D.	Ft.	Depth Out	SD. Cont. %
	Subs O.D.	Ft.	Depth In	Pressure Gradient
1	Bit & S.B.	2.12 Ft.	Total Ftg.	
	Kelly Down	32.72 Ft.	Total Hr. Run	Mud & Chemicals Added
	Total	3890.00 Ft.	Cond. of Bit	Type / Amt. / Type / Amt.
Wt. of String		98000 Lbs.	Reamer No.	
Pipe in Hole		109 Jts.	Reamer Type	
Pipe on Racks		44 Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
Total Pipe on Lease		153 Jts.	Trucker	
			Trucker	
			Trucker	Driller Wm McCarthy

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	8:00	8						WAIT ON ORDERS.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	MUD RECORD
	Stands D.P.	Ft.	Bit No.	Time
	Singles D.P.	Ft.	Size	Weight
	D.C. I.D. O.D.	Ft.	Mfg.	Visc.-Sec.
	D.C. I.D. O.D.	Ft.	Type	W.L.-C.C.
	Stb. Body O.D.	Ft.	Nozzle No. / Size	FL TR. CK.
	Stb. Body O.D.	Ft.	Ser. No.	PH
	Rmr. Body O.D.	Ft.	Depth Out	SD. Cont. %
	Subs O.D.	Ft.	Depth In	Pressure Gradient
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	Mud & Chemicals Added
	Total	Ft.	Cond. of Bit	Type / Amt. / Type / Amt.
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
Total Pipe on Lease		Jts.	Trucker	
			Trucker	
			Trucker	Driller Dave Watters

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:00	2						WAIT ON ORDERS.
10:00	11:00	1						RUN IN TO RUN Plug #1.
11:00	12:00	1						RIG & RUN Plug #1.
12:00	1:45	1¾						TRIP OUT OF HOLE.
1:45	4:00	2¼						RUN in Collars & Lay Down.
								RAN Plug #1. 3890 TO 3790
								55 SKS CEMENT & 2% CaCl.
								Plug in PLACE 11:50 AM FEB. 11-73.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	MUD RECORD
	Stands D.P.	Ft.	Bit No.	Time
	Singles D.P.	Ft.	Size	Weight
	D.C. I.D. O.D.	Ft.	Mfg.	Visc.-Sec.
	D.C. I.D. O.D.	Ft.	Type	W.L.-C.C.
	Stb. Body O.D.	Ft.	Nozzle No. / Size	FL TR. CK.
	Stb. Body O.D.	Ft.	Ser. No.	PH
	Rmr. Body O.D.	Ft.	Depth Out	SD. Cont. %
	Subs O.D.	Ft.	Depth In	Pressure Gradient
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	Mud & Chemicals Added
	Total	Ft.	Cond. of Bit	Type / Amt. / Type / Amt.
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	Water Charges Reg. Hrs. O.T. Hrs.	
Total Pipe on Lease		Jts.	Trucker	
			Trucker	
			Trucker	Driller

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:00	2						WAIT ON CEMENT.
6:00	7:30	1½						RUN IN TO TAG Plug #1. Plug @ 3783
7:30	8:15	¾						PULL UP RUN Plug #2.
8:15	9:15	1						PULL OUT TO SURFACE Casing
9:15	11:00	1¾						LAY DOWN 14 STANDS PIPE.
11:00	12:00	1						WAIT ON CEMENT.
								RAN Plug #2 2670 TO 2570
								55 SKS CEMENT + 2% CaCl.
								Plug in PLACE 8:15 PM FEB. 11-73.

No. 4475

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESA REDSTONE 6-23
Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date: FEB. 10, 1923

Weather Condition: 10° | Road Conditions: FAIR | Nearest Town: NORTHAM WELLS | Water - Source: LAKE Miles Hauled: 2 mi. Pumped | Camp Distance from Rig: 200 yds. Reason for Extra L. Plant: Spare

OPERATOR: WESTERN DECALTA

Rig No. 2 DWKS 9550 | Drill Pipe String: No. 2, Size 4½ | Tool Joint: Type Thd. F.H., 6" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Summers

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM 600	16
2.	NAT.	C1500	12
3.			

LAST CASING / TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	IAP	36#	20		1440	629	K.B. reminded f/w 300 SKS. f/r CONST.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig		¼	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging	8	2¾	
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other		5-8	
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	3 Size 1⅛
Feet Slipped	209 ft.
Feet Cut Off	1788 ft.
Present Length	
Ton Mi. or Trips Since Last Cut	0
Cumulative Ton Mi. or Trips	1323
No. of Days From Spud	34
Cumulative Rotating Hrs.	175¾

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
36	Stands D.P.		Ft.
1	Singles D.P.	3394.16	Ft.
15	D.C. 2¼ I.D. 6½ O.D.	461.00	Ft.
	D.C. I.D. O.D.		Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
1	Bit or ~~C.B.~~ sub	2.12	Ft.
	Kelly Down	32.72	Ft.
	Total	3890.00	Ft.
Wt. of String		95,000	Lbs.
Pipe in Hole		109	Jts.
Pipe on Racks		44	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Donald Matthews

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	8:00	8						LOGGING.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
	D.C. I.D. O.D.		Ft.
	D.C. I.D. O.D.		Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down		Ft.
	Total		Ft.
Wt. of String			Lbs.
Pipe in Hole			Jts.
Pipe on Racks			Jts.
Total Pipe on Lease			Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David Matthews

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
9:00	8:15	¼						Rig Service
8:15	11:00	2¾						Logging
11:00	12:00	1						Tear out Logging equipment
12:00	7:00	4						Wait on orders

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
	D.C. I.D. O.D.		Ft.
	D.C. I.D. O.D.		Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down		Ft.
	Total		Ft.
Wt. of String			Lbs.
Pipe in Hole			Jts.
Pipe on Racks			Jts.
Total Pipe on Lease			Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Donald Matthews

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	12:00	8						wait on orders

KODAK SAFET

No. 4474

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: DECALTA C S MESA REDSTONE C-28
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.
Date: FEB. 9 1973

Weather Condition: ___ Road Conditions: FAIR Nearest Town: NORMAN WELLS Water - Source: LAKE Miles Hauled: 2½ Pumped: ___ Camp Distance from Rig: 5 PART Reason for Extra L. Plant: 200 mile o.

OPERATOR: WESTERN DECALTA

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Swaney

Rig No. 2 DWKS 2 Ideco 2-44

Drill Pipe String: No. 5 Size 4½

Tool Joint: Type Tbd. F.H. 6" O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM600	16
2.	NAT	C150B	12
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	JAP	36#	20		14.40	629	CEMENTED W/ 300 SKS CONST.
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Trar Down			
Drilling Actual			
Reaming			1½
Conditioning Mud & Circulating	1½		
Trips	3½		4
Lubricate Rig	¼	¼	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring	1½		
Wire Line Logging		3	2½
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	2½	4¾	
Fishing			
A: Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

COMPLETION WORK

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1 1/8
Feet Slipped	49
Feet Cut Off	98
Present Length	
Ton Mi. or Trips Since Last Cut	707
Cumulative Ton Mi. or Trips	1323
No. of Days From Spud	33
Cumulative Rotating Hrs.	125¾

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
34	Stands D.P.		
2	Singles D.P.	3238.24	Ft.
12	D.C. 2¼ 6¾ I.D. O.D.	368.71	Ft.
6	D.C. Single I.D. O.D.	187.55	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B.	59.12	Ft.
	Kelly Down	36.33	Ft.
	Total	3890.00	Ft.
Wt. of String		93,000	Lbs.
Pipe in Hole		110	Jts.
Pipe on Racks		43	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD 1

Bit No.	C	
Size	16 3/16 X 3½	
Mfg.	D.D.L.	
Type	DIAMOND.	
Nozzle No.		
Nozzle Size		
Ser. No.	62-72	
Depth Out	3890	
Depth In	3875	
Total Ftg.	15	
Total Hr. Run	1½	
Cond. of Bit	GOOD	
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TP.. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McArthur

From	To	Fege.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3875	3890	15	C			65	4-6	450	5½	—	5½	50	(S)

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						RIG SERVICE
12:15	1:15	1						PICK UP CORE BBLS & CHECK OUT.
1:15	3:15	2						RUN IN HOLE W/ CORE BBLS.
3:15	3:30	¼						CIRC ON BOTTOM
3:30	5:00	1½						CORING NO. 1
5:00	6:30	1½						PULL OUT CORE
6:30	7:00	½						RECOVER CORE
7:00	8:00	1						SERVICE BBL & LAY DOWN

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
	Stands D.P.		
	Singles D.P.		Ft.
	D.C. I.D. O.D.		Ft.
	D.C I.D. O.D.		Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down		Ft.
	Total		Ft.
Wt. of String			Lbs.
Pipe in Hole			Jts.
Pipe on Racks			Jts.
Total Pipe on Lease			Jts.

BIT RECORD

Bit No.		
Size		
Mfg.		
Type		
Nozzle No.		
Nozzle Size		
Ser. No.		
Depth Out		
Depth In		
Total Ftg.		
Total Hr. Run		
Cond. of Bit		
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Laird Chatters

From	To	Fege.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
9:00	8:15	¼						Rig Service & Check B.O.P & motor Kills (O.K.)
8:15	8:45	½						Lay down core barrells
8:45	10:30	1¾						Rig up to Lay down 7" collars and Lay them down
10:30	1:00	2½						wait for Schlumberger
1:00	3:30	2½						Rig up to Log
3:30	4:00	½						Run #1 Log

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
36	Stands D.P.		
1	Singles D.P.	3394.16	Ft.
15	D.C. 2¼ 6¼ I.D. O.D.	461.00	Ft.
	D.C. I.D. O.D.		Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
1	Bit or C.B.	2.12	Ft.
	Kelly Down	32.72	Ft.
	Total	3890.00	Ft.
Wt. of String		98,000	Lbs.
Pipe in Hole		109	Jts.
Pipe on Racks		44	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	13 RR.	
Size	8 3/4	
Mfg.	SEC	
Type	M44N	
Nozzle No.	3	
Nozzle Size	11	
Ser. No.	913143	
Depth Out	3890	
Depth In	3875	
Total Ftg.	15	
Total Hr. Run	1½	
Cond. of Bit	4-2-1	
Reamer No.	REAMED.	
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McArthur

From	To	Fege.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3875	3890	15	R			70	1-	2-50	5½	30	5½	—	(S)

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:00	1						Run #1 Log (could not get to bottom)
5:00	5:30	½						Tear out logging tools to run in with bit.
5:30	8:00	2½						Run in to condition hole
8:00	9:30	1½						REAM OUT RAT HOLE
9:30	11:00	1½						PULL OUT OF HOLE TO LOG.
11:00	12:00	1						RIG UP LOGGERS & LOGGING

FILM + A

No. 4473

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta C.S. Mesa Redstone P-78
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.
Date: Feb 8 19 73

Weather Condition: -8 | Road Conditions: Fair | Nearest Town: Nounton Wells | Water - Source: Lake | Miles Hauled: 2½ | Pumped ___ | Camp Distance from Rig: 200 yds | Reason for Extra L - Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leo L[illegible]

Rig No. TWC DWKS 7-71 | Drill Pipe String: No. 2, Size 4½ | Tool Joint: Type Thd. F.H, 6" O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat	C-150	12"
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Jap	36#	20		14.40	629	Cemented with 300 sks Const. Cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		5¼	
Reaming			
Conditioning Mud & Circulating			
Trips		1¾	½
Lubricate Rig	1¼	¼	¼
Deviation Survey		¼	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on ~~Cement~~ WATER	7¾	½	7¼
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1 1/4"
Feet Slipped	45'
Feet Cut Off	98
Present Length	
Ton Mi. or Trips Since Last Cut	507
Cumulative Ton Mi. or Trips	1123
No. of Days From Spud	32
Cumulative Rotating Hrs.	172 ¾

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
34	Stands D.P.	3175.76	Ft.
	Singles D.P.		Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs 7⅝ O.D.	4.00	Ft.
1	Bit ~~Rmr.~~ S.B.	4.00	Ft.
	Kelly Down	26.65	Ft.
	Total	3764.00	Ft.
Wt. of String		100,000	Lbs.
Pipe in Hole		102	Jts.
Pipe on Racks		51	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	13
Size	8 3/4
Mfg.	Sec
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	913143
Depth Out	
Depth In	3764
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	WATER
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Rutherford

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
35	Stands D.P.		Ft.
1	Singles D.P.	3300.66	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs 7⅝ O.D.	4.00	Ft.
1	Bit ~~Rmr.~~ S.B.	4.00	Ft.
	Kelly Down	12.73	Ft.
	Total	3875.00	Ft.
Wt. of String		100,000	Lbs.
Pipe in Hole		106	Jts.
Pipe on Racks		47	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	13
Size	8 3/4
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	913143
Depth Out	3875
Depth In	3764
Total Ftg.	111
Total Hr. Run	5¼
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	WATER
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: D. McLauthlin

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
35	Stands D.P.		Ft.
1	Singles D.P.	3300.66	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs 7⅝ O.D.	4.00	Ft.
1	Bit ~~Rmr.~~ S.B.	4.00	Ft.
	Kelly Down	12.73	Ft.
	Total	3875.60	Ft.
Wt. of String		100,000	Lbs.
Pipe in Hole		106	Jts.
Pipe on Racks		47	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	13
Size	8 3/4
Mfg.	Sec
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	913143
Depth Out	3875
Depth In	3764
Total Ftg.	111
Total Hr. Run	5¼
Cond. of Bit	4-1-1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David C[illegible]

MORNING TOUR

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service.
12.15	5.00	7¾						W&T on Water

DAY TOUR

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3764	3875	111	D			70	40	350	5½	30	5½	-	C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	3875	4°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2.00	2.15	¼						Rig Service check Bop's shut offs ok.
2.15	8.45	1½						wait on water
8.45	9.45	1						Run in w Bit & clean to Bottom.
9.45	3.00	5¼						Drilling
3.00	3.15	¼						Survey at 3875
3.15	4.00	¾						Hoist out & strap out.

EVENING TOUR

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½						Hoist out & strap pipe
4:30	4:45	¼						Rig Service
4:45	12:00	7¼						W&T on water

No. 4472

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta C-5 Mesa Redstone | Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M. | Date: Feb 7 1972

Weather Condition: - 4 | Road Conditions: Fair | Nearest Town: Normon Wells | Water - Source: Lake, Miles Hauled: 2½, Pumped: ___ | Camp Distance from Rig: 200 yds, Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leo Lucas

Rig No.: Two DWKS 7-11

Drill Pipe String: No. 2, Size 4½

Tool Joint: 6" O.D., Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16
2.	Nat	C-150	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	Jap	36#	20		14.40	629	Cemented with 300 sks Cons. Cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	1½	1½	4½
Reaming			
Conditioning Mud & Circulating			
Trips	2	1	2
Lubricate Rig	¼	¼	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on ~~Cement~~ Water	4¼	5¼	1½
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8.	8	8.

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 5 Size 1/8

Feet Slipped 45

Feet Cut Off 95

Present Length

Ton Mi. or Trips Since Last Cut 476

Cumulative Ton Mi. or Trips 1092

No. of Days From Spud 31

Cumulative Rotating Hrs. 167½

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
32	Stands D.P.	Ft.
2	Singles D.P.	30 51.45 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Sub 6⅝ O.D.	4.00 Ft.
1	Bit ~~O.D.~~	4.00 Ft.
	Kelly Down	21.94 Ft.
	Total	3635.00 Ft.

Wt. of String 98,000 Lbs.

Pipe in Hole 98 Jts.

Pipe on Racks 55 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	11	12
Size	8¾	8¾
Mfg.	Sec.	Sec
Type	M44N	M44N
Nozzle No.	3	3
Nozzle Size	11	11
Ser. No.	271133	374751
Depth Out	3635	
Depth In	3443	3635
Total Ftg.	192	
Total Hr. Run	11	
Cond. of Bit	6 11	in
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time | Weight | Visc.-Sec. | W.L.-C.C. | FL TR. CK. | PH | SD. Cont. % | Pressure Gradient

WATER

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
3615	3635	20	D			70	40	350	5½	30	5½	-	5

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:30	1½						Drilling 8¾ hole
1:30	1:45	¼						~~Rotate~~ Rig Service
1:45	3:45	2						Pull out, change bits; ✓ Blind Rams + Run in Drill Collars
3:45	8:00	4¼						WAIT ON Water

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
33	Stands D.P.	3082.69 Ft.
	Singles D.P.	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Sub 6⅝ O.D.	4.00 Ft.
1	Bit ~~O.D.~~	4.00 Ft.
	Kelly Down	31.70 Ft.
	Total	3676.00 Ft.

Wt. of String 100,000 Lbs.

Pipe in Hole 99 Jts.

Pipe on Racks 54 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	12
Size	9 3/4
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	374751
Depth Out	
Depth In	3635
Total Ftg.	41
Total Hr. Run	1½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time | Weight | Visc.-Sec. | W.L.-C.C. | FL TR. CK. | PH | SD. Cont. % | Pressure Gradient

WATER

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller L. McArthur

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
3635	3676	41	D			70	40	350	5½	30	5½	-	5

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	¼						Rig Service Check Bops. Shut offs. (OK)
8 15	1 30	5¼						Wait on Water
1 30	2 30	1						Run in w Bit
2 30	4 00	1½						Drilling 8¾" Hole.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
34	Stands D.P.	3175.71 Ft.
	Singles D.P.	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Sub 6⅝ O.D.	4.00 Ft.
1	Bit ~~O.D.~~	4.00 Ft.
	Kelly Down	26.68 Ft.
	Total	3764.00 Ft.

Wt. of String 100,000 Lbs.

Pipe in Hole 102 Jts.

Pipe on Racks 51 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	12	13
Size	8¾	8¾
Mfg.	SEC	Sec
Type	M44N	M44N
Nozzle No.	3	3
Nozzle Size	11	11
Ser. No.	374751	913143
Depth Out	3764	
Depth In	3635	3764
Total Ftg.	129	
Total Hr. Run	6	
Cond. of Bit	311	in
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time | Weight | Visc.-Sec. | W.L.-C.C. | FL TR. CK. | PH | SD. Cont. % | Pressure Gradient

WATER

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
3676	3764	88	D			70	40	350	5½	30	5½	-	5

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	8:30	4½						Drilling 8¾ Hole
8:30	10:30	2						Pull out Change bits + Run in D.
10:30	12:00	1½						Wait on Water

No. 4471

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name Decalta CS Mesca Redstone P-78

Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date Feb 6 1973

Weather Condition – 2 | Road Conditions Fair | Nearest Town Norman Wells | Water – Source Lake, Miles Hauled 2½ – Pumped ____ | Camp Distance from Rig 200 yds, Reason for Extra L. Plant Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lemay

Rig No. TWO DWKS 7-11 | Drill Pipe String No. 2 Size 4½ | Tool Joint Type Tbd. 6" O.D. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat	C-150	12"
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Jap	36#	20		14.40	629	Cemented With 300 SKs Cons. Cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	5	½	4
Reaming			
Conditioning Mud & Circulating			
Trips	¾	1	3¼
Lubricate Rig	¼	¼	¼
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement Water	2	6¼	3
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	9.	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.
No. of Lines 8 Size 1 1/16
Feet Slipped 49
Feet Cut Off 98
Present Length
Ton Mi. or Trips Since Last Cut 379
Cumulative Ton Mi. or Trips 995
No. of Days From Spud 30
Cumulative Rotating Hrs. 160

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
31	Stands D.P.		
2	Singles D.P.	2958.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.29	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~Kelly~~ O.D.	4.00	Ft.
1	Bit ~~or~~ C.B.	4.00	Ft.
	Kelly Down	14.78	Ft.
	Total	3520.00	Ft.

Wt. of String 98,000 Lbs.
Pipe in Hole 95 Jts.
Pipe on Racks 58 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	11
Size	8 3/4
Mfg.	Sec
Type	M44N
Nozzle No.	3
Nozzle Size	¼
Ser. No.	271133
Depth Out	
Depth In	3443
Total Ftg.	97
Total Hr. Run	5
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges Reg. Hrs. O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	WATER
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller R. Rutherford

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3443	3540	97	D			70	40	350	5½	30	5½		S

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service
12.15	2.15	2						Wait on Water
2.15	3.00	¾						Run in Hole
3.00	8.00	5						Drilling 8¾ hole

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
31	Stands D.P.		
2	Singles D.P.	2958.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
	Rmr. Body O.D.		Ft.
1	Subs O.D.	4.00	Ft.
1	Bit or C.B.	4.00	Ft.
	Kelly Down	26.28	Ft.
	Total	3552.00	Ft.

Wt. of String 98,000 Lbs.
Pipe in Hole 95 Jts.
Pipe on Racks 58 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	11
Size	8 3/4
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	271133
Depth Out	
Depth In	3443
Total Ftg.	109
Total Hr. Run	5½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges Reg. Hrs. O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3540	3552	12	D			70	40	350	5½	30	5½		S

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.30	½						Drilling 8¾ hole
8.30	9.30	1						Pull out into casing
9.30	9.45	¼						Rig Service, check Bops., Shut offs, (OK)
9.45	4.00	6 ¼						Wait on water

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
32	Stands D.P.		
1	Singles D.P.	3010.71	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
1	Rmr. Body O.D.	4.00	Ft.
1	Subs O.D.	4.00	Ft.
	Bit or C.B.		Ft.
	Kelly Down	37.30	Ft.
	Total	3615.06	Ft.

Wt. of String 98,000 Lbs.
Pipe in Hole 97 Jts.
Pipe on Racks 56 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	11
Size	8 3/4
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	271133
Depth Out	
Depth In	3443
Total Ftg.	172
Total Hr. Run	9½
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges Reg. Hrs. O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3552	3615	63	D			70	40	350	5½	30	5½		S

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼						Rig Service
4.15	7.15	3						Wait on water
7.15	8.00	¾						Run in jw Bit.
8.00	12.00	4						Drilling 8¾ hole

No. 4470

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: Decalta CS Mesca Redstone D-75 | Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M. | Date: Feb 5 1972

Weather Condition: -4 | Road Conditions: Fair | Nearest Town: Norman Wells | Water - Source: Lake | Miles Hauled: 2½ | Pumped: ___ | Camp Distance from Rig: 200 YDS | Reason for Extra L. Plant: SPARE

OPERATOR: Western Decalta

Rig No.: TWO DWKS 7-11

Drill Pipe String: No. 2, Size 4½

Tool Joint: Type Thd. F.H, 6" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Burridge

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat.	C-150	12"
3.			

LAST CASING OR TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	Jap	36#	20		14.40	629	Cemented with 300 SKS Cons. Cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	2 1/4	4 1/4	
Reaming			
Conditioning Mud & Circulating			
Trips	3/4	2½	
Lubricate Rig	1/4		1/4
Deviation Survey			
Test B.O.P.		1/4	
Cut Off Drilling Line			
Repair Rig	Pump		
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement Water	3 3/4	1	7 3/4
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8.	8.	

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1/4
Feet Slipped	49
Feet Cut Off	98
Present Length	
Ton Mi. or Trips Since Last Cut	282
Cumulative Ton Mi. or Trips	899
No. of Days From Spud	29
Cumulative Rotating Hrs.	150½

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
29	Stands D.P.		Ft.
2	Singles D.P.	2772.41	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~O.D.~~	4.00	Ft.
1	Bit ~~Stb.~~ O.D.	4.00	Ft.
	Kelly Down	30.60	Ft.
	Total	3370.00	Ft.
Wt. of String		96,000	Lbs.
Pipe in Hole		89	Jts.
Pipe on Racks		64	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	10
Size	8 3/4
Mfg.	Sec
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	301961
Depth Out	
Depth In	3142
Total Ftg.	228
Total Hr. Run	8
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time ___ Weight ___ Visc.-Sec. ___ W.L.-C.C. ___ FL TR. CK. WATER ___ PH ___ SD. Cont. % ___ Pressure Gradient ___

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3318	3370	52	D			70	40	350	5½	30			

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	1/4						Rig Service
12:15	4:00	3 3/4						Wait on Water
4:00	4:30	1/2						Run in Hole
4:30	5:30	1						Repair # 1 compound chain
5:30	5:45	1/4						Finish in hole
5:45	8:00	2 1/4						Drilling 8 3/4 hole

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
30	Stands D.P.		Ft.
1	Singles D.P.	2834.92	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body ~~O.D.~~	5.38	Ft.
	Rmr. Body O.D.		Ft.
1	Subs 2/0 O.D.	4.00	Ft.
1	Bit ~~O.D.~~	4.00	Ft.
	Kelly Down	41.09	Ft.
	Total	3443.00	Ft.
Wt. of String		96,000	Lbs.
Pipe in Hole		91	Jts.
Pipe on Racks		62	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	10
Size	8 3/4
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	301961
Depth Out	3443
Depth In	3142
Total Ftg.	301
Total Hr. Run	12 1/4
Cond. of Bit	4-4-1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time ___ Weight WATER ___ Visc.-Sec. ___ W.L.-C.C. ___ FL TR. CK. ___ PH ___ SD. Cont. % ___ Pressure Gradient ___

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McCarthur

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3370	3443	73	D			70	40	350	5½	30			(S)

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	8:15	1/4						Rig Service, check Bops, motor shut offs.
8:15	12:30	4 1/4						Drilling
12:30	3:00	2 1/2						Pull out changed bit run in D.C.s.
3:00	4:00	1						Wait on water.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
30	Stands D.P.		Ft.
1	Singles D.P.	2834.92	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 9 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body ~~O.D.~~	5.38	Ft.
1	Rmr. Body 4/0 O.D.	4.00	Ft.
	Subs O.D.		Ft.
1	Bit ~~O.D.~~	4.00	Ft.
	Kelly Down	41.09	Ft.
	Total	3443.00	Ft.
Wt. of String		96,000	Lbs.
Pipe in Hole		91	Jts.
Pipe on Racks		62	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	11
Size	8 3/4
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	271133
Depth Out	
Depth In	3443
Total Ftg.	
Total Hr. Run	
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time ___ Weight WATER ___ Visc.-Sec. ___ W.L.-C.C. ___ FL TR. CK. ___ PH ___ SD. Cont. % ___ Pressure Gradient ___

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: ___

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
11:00	4:15	1/4						Rig Service
4:15	12:00	7 3/4						Wait on water.

4469

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesco Redstone P-78 — Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Feb 4 19 73

Weather Condition: -6 — Road Conditions: Fair — Nearest Town: Norman Wells — Water - Source: Lake — Miles Hauled: 2½ — Pumped: ___ — Camp Distance from Rig: 200 yds — Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Rick Lemieux

Rig No. DWKS 7-11 — Drill Pipe String: No. 2, Size 4½ — Tool Joint: 6" O.D., Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat.	C-250	12"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	Jap	36#	20		14.40	629	Cemented with 300 sx Cons. Cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	1½	5¼	
Reaming			
Conditioning Mud & Circulating			
Trips	3¾	2	
Lubricate Rig	¼	¼	¼
Deviation Survey		¼	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on ~~Cement~~ Water	2½	¼	7¾
Drill Stem Test			
Other	1		
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines: 8 — Size: 1 1/8

Feet Slipped: ~~93~~ 49

Feet Cut Off: 98

Present Length

Ton Mi. or Trips Since Last Cut: 221

Cumulative Ton Mi. or Trips: 837

No. of Days From Spud: 28

Cumulative Rotating Hrs.: 144¼

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
27	Stands D.P.		Ft.
5	Singles D.P.	2553.03	Ft.
16	D.C. I.D. O.D.	492.35	Ft.
2	D.C. I.D. O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~Kelly~~ O.D.	4.00	Ft.
1	Bit ~~Stb.~~ O.D.	4.00	Ft.
	Kelly Down	~~4.00~~ .98	Ft.
	Total	3161.00	Ft.

Wt. of String: 93,000 Lbs.

Pipe in Hole: 82 Jts.

Pipe on Racks: 71 Jts.

Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	10
Size	8¾
Mfg.	Sec
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	301961
Depth Out	
Depth In	3142
Total Ftg.	19
Total Hr. Run	½
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	WATER
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L Rutherford

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3142	3161	19.	D			70	40	600	5½	80	5½		S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service
12.15	2.45	2½						Wait on Water
2.45	3.30	¾						< Run in Hole
3.30	4.00	½						Drilling 8⅝ hole
4.00	5.00	1						Try To Unplug Jets
5.00	8.00	3						Trip For Plugged Jets

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
29	Stands D.P.	2709.61	Ft.
	Singles D.P.		Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. ? O.D.	61.23	Ft.
1	Stb. Body ~~Kelly~~ O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~Kelly~~ O.D.	4.00	Ft.
1	Bit ~~Stb.~~ O.D.	4.00	Ft.
	Kelly Down	41.40	Ft.
	Total	3318.00	Ft.

Wt. of String: 95,000 Lbs.

Pipe in Hole: 87 Jts.

Pipe on Racks: 66 Jts.

Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	10
Size	8¾
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	301961
Depth Out	
Depth In	3142
Total Ftg.	176
Total Hr. Run	5¾
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L Rutherford

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3161	3318	157	D			70	40	400	5½	—	5½	40	S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
3318	3°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼						Rig Service & Check Bops.
8.15	9.15	1						Run in W Bit
9.15	2.30	5¼						Drilling 8¾" Hole.
2.30	2.45	¼						Survey at 3318
2.45	3.45	1						Pull out into casing strap out.
3.45	4.00	¼						Wait on water.

Measured 2710.78

Pipe Tally 2709.61

Diff. 1.17

No change in Pipe Tally.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
29	Stands D.P.	2709.61	Ft.
	Singles D.P.		Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. ? O.D.	61.23	Ft.
1	Stb. Body ~~Kelly~~ O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~Kelly~~ O.D.	4.00	Ft.
1	Bit ~~Stb.~~ O.D.	4.00	Ft.
	Kelly Down	41.40	Ft.
	Total	3318.00	Ft.

Wt. of String: 95,000 Lbs.

Pipe in Hole: 87 Jts.

Pipe on Racks: 66 Jts.

Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	10
Size	8¾
Mfg.	SEC
Type	M44N
Nozzle No.	3
Nozzle Size	11
Ser. No.	301961
Depth Out	
Depth In	3142
Total Ftg.	176
Total Hr. Run	5¾
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3318													

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼						Rig Service
4.15	12.00	7¾						Wait on water.

No. 4468

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mecca Redstone P-78

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Feb 3 19 73

Weather Condition: -4 | Road Conditions: Fair | Nearest Town: Norman Wells | Water - Source: Lake, Miles Hauled: 2½, Pumped: ___ | Camp Distance from Rig: 200 yds, Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R.R. Blake Leslie Lumsden

Rig No.: Two DWKS 7-11

Drill Pipe String: No. 3, Size 4½

Tool Joint: 6" O.D., Type Thd. F.H

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat.	C-150	12"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	Jap	36#	20		14.40	629.	Cemented With 300 SKs. Cons Cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	1	4½	
Reaming			
Conditioning Mud & Circulating			
Trips	¾	2	
Lubricate Rig	¼	¼	¼
Deviation Survey		¼	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on ~~Cement~~ WATER	6	1	7¾
Drill Stem Test			
Other			
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	16	S.

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1/16
Feet Slipped	98
Feet Cut Off	49
Present Length	
Ton Mi. or Trips Since Last Cut	104
Cumulative Ton Mi. or Trips	720
No. of Days From Spud	27
Cumulative Rotating Hrs.	138½

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
26	Stands D.P.	Ft.
3	Singles D.P.	2459.63 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~H/O~~ O.D.	4.00 Ft.
1	Bit ~~C.B.~~	4.00 Ft.
	Kelly Down	41.76 Ft.
	Total	3063.00 Ft.
Wt. of String		92,000 Lbs.
Pipe in Hole		79 Jts.
Pipe on Racks		74 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.		9
Size		8¾
Mfg.		Reed
Type		S516
Nozzle	No.	3
	Size	11
Ser. No.		394851
Depth Out		
Depth In		2782
Total Ftg.		281
Total Hr. Run		18¼
Cond. of Bit		in
Reamer No.		
Reamer Type		

Water Charges Reg. Hrs. O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	WATER.
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3055	3063	8	D			70	40	300	5½	30	5½	—	5

Deviation Record: Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service
~~12.15~~	~~6.15~~	~~6~~						
12.15	6.15	6						Wait on Water
6.15	7.00	¾						Run in Hole
7.00	8.00	1						Drilling 8¾ hole

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
27	Stands D.P.	Ft.
2	Singles D.P.	2553.03 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
1	Stb. Body 6 O.D.	5.38 Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~H/O~~ O.D.	4.00 Ft.
1	Bit ~~C.B.~~	4.00 Ft.
	Kelly Down	21.98 Ft.
	Total	3142.08 Ft.
Wt. of String		93,000 Lbs.
Pipe in Hole		82 Jts.
Pipe on Racks		71 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.		9
Size		8¾
Mfg.		REED
Type		S516
Nozzle	No.	3
	Size	11
Ser. No.		394851
Depth Out		3142
Depth In		2782
Total Ftg.		360
Total Hr. Run		22¾
Cond. of Bit		5-4-1
Reamer No.		
Reamer Type		

Water Charges Reg. Hrs. O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McLauthlin

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3063	3142	79	D			70	40	300	5½	30	5½		(S)

Deviation Record: Depth 3 3/4° | Dev. 3 1/4° | Direction S 51 W

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼						RIG SERVICE & CHECK BOPS.
8.15	12.45	4½						DRILLING 8¾
12.45	1.00	¼						SURVEY AT 3142
1.00	3.00	2						TRIP OUT CHANGE BIT & RUN IN COLLARS.
3.00	4.00	1						WAIT ON WATER.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
27	Stands D.P.	Ft.
2	Singles D.P.	2553.03 Ft.
16	D.C. I.D. O.D.	492.38 Ft.
2	D.C. I.D. O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
1	Stb. Body O.D.	5.38 Ft.
	Rmr. Body O.D.	Ft.
1	Subs 2/0 O.D.	4.06 Ft.
1	Bit ~~C.B.~~	4.00 Ft.
	Kelly Down	~~21.98~~ Ft.
	Total	3142.00 Ft.
Wt. of String		93,000 Lbs.
Pipe in Hole		82 Jts.
Pipe on Racks		71 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.		10
Size		8¾
Mfg.		SEC.
Type		M44N
Nozzle	No.	3
	Size	11
Ser. No.		301961
Depth Out		
Depth In		3142
Total Ftg.		
Total Hr. Run		
Cond. of Bit		
Reamer No.		
Reamer Type		

Water Charges Reg. Hrs. O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3142													

Deviation Record: Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼						RIG SERVICE
4.15	12.00	7¾						WAIT ON WATER.

Charge Valves & Seats in #1 Pump.

No. 4467

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesa Redstone P-78 — Date: Feb 2 19 73

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Weather Condition: -16 — Road Conditions: Fair — Nearest Town: Norman Wells — Water - Source: Lake, Miles Hauled 2½, Pumped ___ — Camp Distance from Rig: 200 yds, Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

Rig No. 2 — DWKS 7-11

Drill Pipe String: No. 2, Size 4½ — Tool Joint 6" O.D., Type Thd. F.H

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Leblanc

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat.	C-150	12"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	Jap	36#	20		14.40	629.	Cemented w/ 300 SKs Const. Cement

TIME DISTRIBUTION—HOURS

	Morn.	Day	Eve.
Rig Up & Tear Down			
Drilling Actual		5	
Reaming			
Conditioning Mud & Circulating			
Trips		1½	
Lubricate Rig	1¼	¼	1¼
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on ~~Cement~~ WATER	7¾	1¼	7¾
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	9.15	8	

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8
Size	1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	52
Cumulative Ton Mi. or Trips	1.168
No. of Days From Spud	26
Cumulative Rotating Hrs.	133

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
25	Stands D.P.	2365.63 Ft.
5	Singles D.P.	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~4/0 O.D.~~	4.00 Ft.
1	Bit ~~or C.B.~~	4.00 Ft.
	Kelly Down	24.76 Ft.
	Total	2952.00 Ft.
Wt. of String		96,000 Lbs.
Pipe in Hole		76 Jts.
Pipe on Racks		77 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	Reed
Type	SS1G
Nozzle No.	3
Nozzle Size	11
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	~~[illegible]~~170
Total Hr. Run	12¼
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	WATER
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Littlejohn

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
26	Stands D.P.	Ft.
1	Singles D.P.	2459.63 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~4/0 O.D.~~	4.00 Ft.
1	Bit ~~or C.B.~~	4.00 Ft.
	Kelly Down	33.76 Ft.
	Total	3055.00 Ft.
Wt. of String		92,000 Lbs.
Pipe in Hole		79 Jts.
Pipe on Racks		74 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	REED
Type	5516-J
Nozzle No.	3
Nozzle Size	11
Ser. No.	394851
Depth Out	
Depth In	2792
Total Ftg.	273
Total Hr. Run	17¼
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McCutcheon

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
26	Stands D.P.	Ft.
1	Singles D.P.	2459.63 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~4/0 O.D.~~	4.00 Ft.
1	Bit ~~or C.B.~~	4.00 Ft.
	Kelly Down	33.76 Ft.
	Total	3055.06 Ft.
Wt. of String		92,000 Lbs.
Pipe in Hole		79 Jts.
Pipe on Racks		74 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	REED
Type	5516-J
Nozzle No.	3
Nozzle Size	11
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	273
Total Hr. Run	17¼
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service
12.15	8.00	7¾						Wait on water
								Slip 49' Cut 98' Drilling Line
								CHANGED OIL IN STANDBY PUMP MOTORS

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2952	3055	103	D			70	40	300	5½	29			S

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼						Rig Service & Check BOPs.
8.15	8.46	½						Wait on water
8.45	9.30	¾						Run in w/ Bit
9.30	2.30	5						Drilling 8¾ Hole.
2.30	3.15	¾						Pull out to collars.
3.15	4.00	¾						Wait on water.
								Held safety meeting on the use of goggles when grinding & changing dies. Put crew through a blow out drill.
								Changed oil in light plant

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼						Rig Service
4.15	12.00	7¾						Wait on water.

No. 4466

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta C S Mesca Redstone P-78 — Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Feb 1 19 73

Weather Condition: -16 — Road Conditions: Fair — Nearest Town: Norman Wells — Water - Source: Lake — Miles Hauled: 2½ — Pumped: — Camp Distance from Rig: 200 yds — Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. deLaurier

Rig No. 2 — DWKS 7-11

Drill Pipe String: No. 2 — Size 4½

Tool Joint: 6" O.D. — Type Thd. F.H

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	Nat.	C-150	12"
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Sap	36#	20		14.40	629	Cemented W/300 SKS' Cons Cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		¼	5¼
Reaming Ld0		¼	
Conditioning Mud & Circulating			
Trips		¾	¾
Lubricate Rig	¼	¼	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement WATER	7¾	6½	2
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work

Hrs. W/DP

Hrs. WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines 8 — Size 1/9

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut 616.

Cumulative Ton Mi. or Trips

No. of Days From Spud 25

Cumulative Rotating Hrs. 128

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
24	Stands D.P.	2272.63 Ft.
5	Singles D.P.	Ft.
16	D.C. 2 1/16 6¼ I.D. O.D.	492.38 Ft.
2	D.C. 2¼ 7" I.D. O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 7⅝ O.D.	4.00 Ft.
1	Bit or C.B.	4.00 Ft.
	Kelly Down	35.76 Ft.
	Total	2870.00 Ft.

Wt. of String 95,000 Lbs.

Pipe in Hole 73 Jts.

Pipe on Racks 80 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	Reed
Type	SS16
Nozzle No.	3
Nozzle Size	11
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	88
Total Hr. Run	6¾
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	WATER
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller K. Kaufman

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	1¼						Rig Service
12.15	8.00	7¾						Wait on Water, Washed All Loose Dirt Material out of Tanks & Pumps.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
24	Stands D.P.	Ft.
1	Singles D.P.	2272.63 Ft.
16	D.C. 2¼ 6¼ I.D. O.D.	492.38 Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 7⅝ O.D.	4.00 Ft.
1	Bit or C.B.	4.00 Ft.
	Kelly Down	41.76 Ft.
	Total	2876.00 Ft.

Wt. of String 96,000 Lbs.

Pipe in Hole 73 Jts.

Pipe on Racks 80 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	REED
Type	SS16
Nozzle No.	3
Nozzle Size	11
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	94
Total Hr. Run	7
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller John MacArthur

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
2870	2876	6	D			70	40	400	5½	32			(5)

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼						Rig Service & Check Bops.
8.15	2.45	6½						Wait on Water.
2.45	3.30	¾						Run in To Bottom.
3.30	3.45	¼						Clean To Bottom.
3.45	4.00	¼						Drilling 8¾ Hole.

Changed Oil & Filters in Floor Motors.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
25	Stands D.P.	2365.63 Ft.
3	Singles D.P.	Ft.
16	D.C. 2¼ 6¼ I.D. O.D.	492.38 Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23 Ft.
1	Stb. Body O.D.	4.00 Ft.
1	Rmr. Body O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	24.76 Ft.
	Total	2952.00 Ft.

Wt. of String 96,000 Lbs.

Pipe in Hole 76 Jts.

Pipe on Racks 77 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	REED
Type	SS16
Nozzle No.	3
Nozzle Size	11
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	170
Total Hr. Run	17¼
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
2876	2952	76	D			70	40	300	5½	29			(5)

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	9.15	5¼						Drilling 8¾ Hole.
9.15	10.00	¾						Pull out To Service Casing
10.00	12.00	2						Wait on Water.

No. 4465

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesa Redstone F-78

Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date: Jan. 31 1972

Weather Condition: -8 | Road Conditions: Fair | Nearest Town: Norman Wells | Water - Source: Lake | Camp Distance from Rig: 200yds | Miles Hauled: 2½ | Pumped: ____ | Reason for Extra L. Plan: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R R Leblanc

Rig No. 2 DWKS 7-11

Drill Pipe String: No. 2 Size 4½

Tool Joint: 6" O.D. Type Tld. F-H

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16
2.	National	150	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	Jap	36#	20		14.40	629	Cemented-with 300 bags Cons Cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		3¾	1¼
Reaming drill		¼	
Conditioning Mud & Circulating			
Trips		¾	5¼
Lubricate Rig	¼	¼	
Deviation Survey			½
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement WATER	7¾	3	5½
Drill Stem Test			
Other			
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines ____ Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut: 568

Cumulative Ton Mi. or Trips: 3

No. of Days From Spud: 24

Cumulative Rotating Hrs.: 122½

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
23	Stands D.P.	2210.05 Ft.
2	Singles D.P.	Ft.
16	D.C. 2¼ 6¼ I.D. O.D.	492.38 Ft.
2	D.C. 2¼ 7" I.D. O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~x/o~~ O.D.	4.00 Ft.
1	Bit ~~or Stb~~ C.B.	4.00 Ft.
	Kelly Down	33.34 Ft.
	Total	2805.00 Ft.
Wt. of String		95,000 Lbs.
Pipe in Hole		71 Jts.
Pipe on Racks		82 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	9
Size	8 3/4
Mfg.	~~Reed~~
Type	SS16
Nozzle No.	open
Nozzle Size	
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	23
Total Hr. Run	1 3/4
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R Leblanc

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service
12.15	8.00	7¾						Wait on Water

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
24	Stands D.P.	Ft.
1	Singles D.P.	2272.63 Ft.
16	D.C. 2¼ 6¼ I.D. O.D.	492.38 Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
1	Stb. ~~x/o~~ Body O.D.	4.00 Ft.
1	Bit ~~or Stb~~ C.B.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	20.76 Ft.
	Total	2855.00 Ft.
Wt. of String		95,000 Lbs.
Pipe in Hole		73 Jts.
Pipe on Racks		80 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	9
Size	8 3/4
Mfg.	Reed
Type	SS16
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	73
Total Hr. Run	5½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2805	2855	50	D			70	40	50	5½	30	5½	—	(5)

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	1/4						RIG SERVICE & CHECK BOPS.
8.15	11.15	3						WAIT ON WATER
11.15	12.00	3/4						RUN IN W BIT
12.00	12.15	1/4						CLEAN TO BOTTOM 5' FILL.
12.15	4.00	3 3/4						DRILLING 8 3/4 HOLE.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
24	Stands D.P.	Ft.
1	Singles D.P.	2272.63 Ft.
16	D.C. 2¼ 6¼ I.D. O.D.	492.38 Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
1	Stb. ~~x/o~~ Body O.D.	4.00 Ft.
1	Rmr. ~~Bit or Stb~~ Body O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	35.76 Ft.
	Total	2890.00 Ft.
Wt. of String		95,000 Lbs.
Pipe in Hole		73 Jts.
Pipe on Racks		80 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	9
Size	8 3/4
Mfg.	Reed
Type	SS16
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394851
Depth Out	
Depth In	2782
Total Ftg.	88
Total Hr. Run	6 3/4
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2855	2890	15	D			70	40	50	5½	30	5½		(5)

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
2870	2°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	5.15	1 1/4						DRILLING 8 3/4 HOLE
5.15	5.45	1/2						SURVEY AT 2870 2°
5.45	6.30	3/4						PULL OUT INTO CASING.
6.30	12.00	5½						CLEAN OUT MUD TANKS AND. WAITING ON WATER.

No. 4464

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta e.s. Mesa Redstone D-78 | Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M. | Date: Jan 30 1972

Weather Condition: -12 | Road Conditions: Fair | Nearest Town: Norman Wells | Water - Source: Lake, Miles Hauled: 2½, Pumped | Camp Distance from Rig: 200 yds | Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

Rig No. 2 DWKS 7-11 | Drill Pipe String: No. 2, Size 4½ | Tool Joint: 6" O.D., Type Thd. F.H

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Clark

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	National	C-150	12"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	Jap	36	20		14.40	629	cemented w/300 SKS Cons. Cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			13¼
Reaming plugs		2½	2½
Conditioning Mud & Circulating		1½	
Trips	3	2¾	3¼
Lubricate Rig		¼	¼
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
~~Wire Line~~ W.O.W. Logging			2¾
Running Casing & Cementing			
Waiting on Cement	4¼		
Drill Stem Test			
Other	¾	1	
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	5	8	11

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 4 Size 1/8

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut: 520

Cumulative Ton Mi. or Trips

No. of Days From Spud: 23

Cumulative Rotating Hrs.: 117½

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.	2178.65	Ft.
5	Singles D.P.		Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~H/C~~ O.D.	4.00	Ft.
1	Bit or ~~Stab~~ C.B.	4.00	Ft.
	Kelly Down	41.74	Ft.
	Total	2782.00	Ft.

Wt. of String: 95,000 Lbs.
Pipe in Hole: 70 Jts.
Pipe on Racks: 83 Jts.
Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	8
Size	8¾
Mfg.	Reed
Type	SSiG
Nozzle No.	open
Nozzle Size	
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	60
Total Hr. Run	4½
Cond. of Bit	3 1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	4.00
Weight	8.8
Visc.-Sec.	40
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	700 lbs.		
CAUSTIC	150 lbs.		
SAWDUST	50 bags		

Driller: K. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	4:05	4¼						W.O.C. Mix Gel + Sawdust
4:15	6:00	1¾						Run in To Drill out Cement Plugs 7 + 8. Top of Plug @ 2448.
6:00	6:45	¾						Try + Break circ.
6:45	8:00	1¼						Pull out of hole. ~~Top of Float~~
								TOTco Ring Plugged with ~~Sub~~ loss Circ. Material
								Fuel @ 8.00 AM 5FT 2in.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
21	Stands D.P.		Ft.
1	Singles D.P.	1991.61	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Rmr. Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	41.28	Ft.
	Total	2595.00	Ft.

Wt. of String: 95,000 Lbs.
Pipe in Hole: 64 Jts.
Pipe on Racks: 89 Jts.
Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	REED
Type	SS16
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394851
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
SAWDUST	55 SKS.		
KWIK SEAL	7 SKS.		

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						RIG SERVICE & CHECK BOPS.
8:15	9:00	¾						FINISHED PULLING PLUGGED BIT.
9:00								CLEAN OUT BOTTOM HOLE PLUGGED
	10:00	1						JW. LOSS CIRC. MATERIAL.
10:00	12:00	2						RUN IN JW BIT
12:00								BREAK CIRC 60% RETURNS.
	1:30	1½						MIX SAWDUST & KWIKSEAL
1:30								DRILLING OUT CEMENT PLUGS.
	4:00	2½						FROM 2438 - 2595 JW RETURNS

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.	2210.05	Ft.
2	Singles D.P.		Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~H/C~~ O.D.	4.00	Ft.
1	Bit or ~~Stab~~ C.B.	4.00	Ft.
	Kelly Down	33.34	Ft.
	Total	2805.00	Ft.

Wt. of String: 95,000 Lbs.
Pipe in Hole: 71 Jts.
Pipe on Racks: 82 Jts.
Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	9
Size	8¾
Mfg.	REED
Type	SS16
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394851
Depth Out	
Depth In	2282
Total Ftg.	23
Total Hr. Run	1¾
Cond. of Bit	1h
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
SAWDUST	65 SKS		

Driller:

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2282	2805	23	D			45	40	200	5½	30	9½	-	5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00								DRILLING OUT CEMENT PLUGS
	5:00	1						2595 — 2620 JW RETURNS
5:00								2620 LOST RETURNS REAM TO
	6:30	1½						BOTTOM
6:30	6:45	¼						RIG SERVICE & CHECK BOPS.
6:45	8:30	1¾						DRILLING 8¾ HOLE
8:30	9:15	¾						PULL UP in TO Surface Casing
9:15	12:00	2¾						WAIT ON WATER.

No. 4463

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: Decalta CS Mesa Redstone P-78

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Jan 29 19 73

Weather Condition: 12- Road Conditions: Fair Nearest Town: Norman Wells Water - Source: Lake Miles Hauled: 2½ Pumped: ___ Camp Distance from Rig: 200yds Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

Rig No. 2 DWKS 7-11

Drill Pipe String: No. 2 Size 4½

Tool Joint: 6" O.D. Type Thd. F.H

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Clark

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	National	C150	12"
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Jap	36#	20		14.	629	Cemented with 300 SKs Const. Cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating		½	
Trips	3¼	1½	3½
Lubricate Rig	1¼		
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing	¾		¾
Waiting on Cement	¾	6	1
Nipple Up BOPE	1½		2¾
Other			
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1/18

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips 4 44

No. of Days From Spud 22

Cumulative Rotating Hrs. 115¾

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.	2178.65	Ft.
5	Singles D.P.		Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.35	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs x/over O.D.	4.00	Ft.
1	Bit or Sub.	4.00	Ft.
	Kelly Down	41.78	Ft.
	Total	2782.00	Ft.
Wt. of String		95,000	Lbs.
Pipe in Hole		70	Jts.
Pipe on Racks		83	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	8		
Size	8 3/4		
Mfg.	Reed		
Type	SS1G		
Nozzle No.	3		
Nozzle Size	16	Reamed	
Ser. No.	394862		
Depth Out	2782	2771	
Depth In	2707	2756	
Total Ftg.	60	15	
Total Hr. Run	4 3/4	1 3/4	
Cond. of Bit	3 1 1		
Reamer No.			
Reamer Type			

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L Kuttafard

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2782													

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	¼						Rig Service
12.15	2.00	1¾						Pull out To Run Plug #7
2.00	3.30	1½						Rig up To Cement
3.30	5.00	1½						Run in To 2460, Picked up 6 singles D.P.
5.00	5.45	¾						Run Cement Plug #7 + Displace
5.45	6.15	½						Pull out
6.15	8.00	1¾						W.O.C.

Use Rig Cementing Unit. Plug #7 2395-2460 10 Sax Permafrost Cement + 25 Sax Construction Cement. Displace with 36 bbls water

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.		Ft.
5	Singles D.P.	2178.65	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs x/over O.D.	4.00	Ft.
1	Bit or Sub.	4.00	Ft.
	Kelly Down	41.74	Ft.
	Total	2782.00	Ft.
Wt. of String		95,000	Lbs.
Pipe in Hole		70	Jts.
Pipe on Racks		83	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	8		
Size	8 3/4		
Mfg.	Reed.		
Type	SS1G		
Nozzle No.	3		
Nozzle Size	16		
Ser. No.	394862	Reamed	
Depth Out	2782	2771	
Depth In	2707	2756	
Total Ftg.	60	15	
Total Hr. Run	4 3/4	1 3/4	
Cond. of Bit	3-1-1		
Reamer No.			
Reamer Type			

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time			
Weight			
Visc.-Sec.	WATER		
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L Kuttafard

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
5.00	7.00	6						Rig Service & Check BOPs.
2.00	3.30	1½						W.O.C. Work on Pump.
								Run in JWB Collars Felt Plug at 2610 Try Circ in water No Returns
3.30	4.00	½						Pull out of hole.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.		Ft.
5	Singles D.P.	2178.65	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.35	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs x/over O.D.	4.00	Ft.
1	Bit or Sub.	4.00	Ft.
	Kelly Down	41.74	Ft.
	Total	2782.00	Ft.
Wt. of String		95,000	Lbs.
Pipe in Hole		70	Jts.
Pipe on Racks		83	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	8		
Size	8 3/4		
Mfg.	Reed		
Type	SS1G		
Nozzle No.	3		
Nozzle Size	16		
Ser. No.	394862	Reamed	
Depth Out	2782	2771	
Depth In	2707	2756	
Total Ftg.	60	15	
Total Hr. Run	4 3/4	1 3/4	
Cond. of Bit	3 1 1		
Reamer No.			
Reamer Type			

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L Kuttafard

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00								Pull out of Hole To Run Cement Plug No. 8#
	5.30	1½						
5.30								Rig up Cement Unit & Pick up 6 singles
	7.30	2						
7.30	9.00	1½						Run in open end To Run Cement Plug. No 8#.
9.00	9.45	¾						Finish Rigging up To Run Cement Plug #8
9.45	10.30	¾						Run Cement Plug #8 + Displace
10.30	11.00	½						Pull out of Hole
11.00	12.00	1		W.	O.	C		W.O.C

Use Rig Cementing Unit. Plug #8 2455-2610. 60 Sax Permafrost + 20 Sax Const. - Section Cement. Displace with 36 bbls water

No. 4462

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: Decalta C.S. Mesca Redstone P-78 — Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Jan 28 1973

Weather Condition: ___ Road Conditions: Fair Nearest Town: Norman Wells Water - Source: Lake Miles Hauled: 2 1/2 Pumped: ___ Camp Distance from Rig: 2 cords Reason for Extra Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE: ___

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D.R. Clark

Rig No.: Two DWKS 7-11

Drill Pipe String: No. 2 Size 4 1/2

Tool Joint: 6" O.D. Type Thd. F.H

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	National	C-150	12"
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9 5/8	Jap	36#	20		14.42	629	Cemented with 300 sks Cons. Cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		3 1/4	3 1/4
Reaming	1 1/4		1 1/2
Conditioning Mud & Circulating			
Trips	1 3/4		
Lubricate Rig	1/4		
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring	3 3/4		
~~Recovery Service~~ Wire Line Service Log ~~S.B.H.~~	1		
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	1	8	5 3/4
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	5.8	8	

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No. ___

No. of Lines 8 Size 1/8

Feet Slipped ___

Feet Cut Off ___

Present Length ___

Ton Mi. or Trips Since Last Cut 400

Cumulative Ton Mi. or Trips ___

No. of Days From Spud 21

Cumulative Rotating Hrs. 115 3/4

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
23	Stands D.P.	2147.30 Ft.
	Singles D.P.	~~1472.38~~ Ft.
16	D.C. 2 1/4 I.D. 6 1/4 O.D.	492.38 Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
1	Stb. Body O.D.	5.38 Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~1/16 O.D.~~	4.00 Ft.
	Bit ~~6 7/8 O.D.~~	4.00 Ft.
	Kelly Down	41.71 Ft.
	Total	2756.00 Ft.
Wt. of String		95,000 Lbs.
Pipe in Hole		69 Jts.
Pipe on Racks		84 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	1-C	8
Size	6 7/16 x 3 1/2	8 3/4
Mfg.	D.D.L.	Reed
Type	Diamond	SS16
Nozzle No.		3
Nozzle Size		16
Ser. No.	6272	394862
Depth Out	2771	
Depth In	2756	2707
Total Ftg.	15	49
Total Hr. Run	3 3/4	4
Cond. of Bit	Good	in
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	WATER
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2756	2771	15	C	1	15'	65	9	250	5 1/2	-	5 1/2	48	S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	12.15	1/4						Rig Service
12.15	12.30	1/4						Ream out Bridge @ 2760 + Clean 4 FT fill To Bottom.
12.30	4:15	3 3/4						Cutting Core #1
4:15	6:00	1 3/4						Pull out Core #1
6:00	6:30	1/2						Recover Core 15 FT
6:30	7:00	1/2						Make up Core Barrel + Rackin Derrick
7:00	8:00	1						Push spruce boughs Down Hole
								Fuel 3 FT. 4 in @ 7: AM

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
23	Stands D.P.	2142.30 Ft.
	Singles D.P.	Ft.
16	D.C. 2 1/4 I.D. 6 1/4 O.D.	492.38 Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
1	Stb. ~~1/16 O.D.~~ Body	5.38 Ft.
	Rmr. Body O.D.	Ft.
1	Subs 1/16 O.D.	4.00 Ft.
1	Bit ~~6 7/8 O.D.~~	4.00 Ft.
	Kelly Down	41.71 Ft.
	Total	2756.00 Ft.
Wt. of String		95,000 Lbs.
Pipe in Hole		69 Jts.
Pipe on Racks		84 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	8	
Size	8 3/4	
Mfg.	REED	
Type	SS16	
Nozzle No.	2	
Nozzle Size	16	
Ser. No.	394862	
Depth Out		
Depth In	2707	
Total Ftg.	49	
Total Hr. Run	4	
Cond. of Bit		
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McCarthy

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00								PUSH SPRUCE BOUGHS DOWN HOLE RUN IN TO BOTTOM TO PUSH SPRUCE BOUGHS TO BOTTOM. PULL OUT TO PUT SOME MORE PUSHING SPRUCE BOUGHS DOWN HOLE PAST SURFACE CASING.
	4 00	8						WAITING ON WATER.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
23	Stands D.P.	2178.65 Ft.
5	Singles D.P.	Ft.
16	D.C. 2 1/4 I.D. 6 1/4 O.D.	492.38 Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs ~~2 1/0 O.D.~~	4.00 Ft.
1	Bit ~~6 7/8 O.D.~~	4.00 Ft.
	Kelly Down	41.74 Ft.
	Total	2,182.00 Ft.
Wt. of String		95000 Lbs.
Pipe in Hole		70 Jts.
Pipe on Racks		83 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	8	
Size	8 3/4	
Mfg.	Reed	
Type	SS16	
Nozzle No.	3	
Nozzle Size	16	
Ser. No.	394862	Reamed
Depth Out		From
Depth In	2707	2756
Total Ftg.	60	27 10 1
Total Hr. Run	4 3/4	1 3/4
Cond. of Bit	311	15 FT.
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	WATER.
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller ___

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2756	2771	15	R.		Very Rough.	40	10	200	5 1/2	-	5 1/2	40	S
2771	2782	11	D			65	40	200	5 1/2	-	5 1/2	40	S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00								~~WAITING~~ ON WATER. PUSH SPRUCE BOUGHS DOWN HOLE PAST SURFACE CASING To BOTTOM
	9:45	5 3/4						Reaming Rat Hole
9:45	11:35	1 3/4						Dilg 8 3/4 hole
11:35	12:06	3/4						

No. 4461

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesca Red P-78 | Date: Jan 27 19 73

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Weather Condition: 36- | Road Conditions: Fair | Nearest Town: Norman Wells | Water - Source: Lake | Miles Hauled ___ Pumped ___ | Camp Distance from Rig: 200 yds | Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Rig No. 3 DWKS 7-11 | Drill Pipe String No. 2 Size 4½ | Tool Joint 6" O.D. Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	600	16"
2.	National	C-150	12"
3.			

	Size	Make	Wt. & Gr.	No. Joints	Feet	RKB to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Sap	#36	20	✱	14.40	629	Cemented with 300 SK Cons Cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming		3	
Conditioning Mud & Circulating			
Trips	1¼	3¼	1
Lubricate Rig	¼	¼	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
W.O WATER ~~Repair Rig~~			7
Coring			
Wire Line Logging			
~~Removal Casing~~ & Cementing	½		
Waiting on Cement	6		
Drill Stem Test			
Other			1½
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8.	5	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1⅛

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut 352

Cumulative Ton Mi. or Trips

No. of Days From Spud 20

Cumulative Rotating Hrs. 115

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.	2147.35	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~x/over~~ O.D.	4.00	Ft.
1	Bit or ~~C.B.~~	4.00	Ft.
	Kelly Down	41.71	Ft.
	Total	2756.00	Ft.
Wt. of String		95,000	Lbs.
Pipe in Hole		69	Jts.
Pipe on Racks		84	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	8
Size	9 3/4
Mfg.	Reed
Type	S516
Nozzle No.	3
Nozzle Size	16
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	49
Total Hr. Run	4
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2756													

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
18.00	18.15	1¼						Rig Service
18.15	1.00	3¼						Run in TO 2400 TO Cement
1.00	1.30	1½						Run Plug #6 + displace
1.30	2.00	½						Pull out of hole
2.00	8.00	6						W.O.C. Run in Hole

Fuel 4FT 3in @ 7.00 Am
Use Rig Cementing Unit. Plug #6 2335-2400, 185sax Permafrost + 205sx Construction Cement. Displace with 35 bbls water.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.		Ft.
1	Singles D.P.	2178.65	Ft.
12	D.C. 2¼ I.D. 6¼ O.D.	368.76	Ft.
4	D.C. ~~Singles~~ I.D. ~~O.D.~~	125.08	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs ~~x/over~~ O.D.		Ft.
	Bit or C.B.	59.12	Ft.
	Kelly Down	24.39	Ft.
	Total	2756.08	Ft.
Wt. of String			Lbs.
Pipe in Hole		74	Jts.
Pipe on Racks		79	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	C1
Size	6 3/16 x 3½
Mfg.	D.D.L.
Type	Diamond.
Nozzle No.	
Nozzle Size	
Ser. No.	62-72
Depth Out	
Depth In	2756
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	WATER
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller A. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼						RIG SERVICE & CHECK BOPS.
8.15	8.30	¼						FINISHED IN TO 2420 FT.
8.30								DRILL OUT CEMENT PLUG AT 2420 - 2470 SOFT APPROX. 50% OF THIS WAS CEMENT PLUG
	11.30	3						FROM 2470 TO 2756 CLEAN TO BOTTOM
11.30	1.00	1½						NO RETURNS.
1.00	2.30	1½						PULL OUT TO CORE
2.30	4.00	1½						PICK UP CORE BBLS
								RUN IN COLLARS & PICK UP 3 SINGLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.		Ft.
1	Singles D.P.	2178.65	Ft.
12	D.C. 2¼ I.D. 6¼ O.D.	368.76	Ft.
4	D.C. ~~Singles~~ I.D. ~~O.D.~~	125.08	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	~~Bit or~~ C.B.	59.12	Ft.
	Kelly Down	24.39	Ft.
	Total	2756.00	Ft.
Wt. of String		86,000	Lbs.
Pipe in Hole		74	Jts.
Pipe on Racks		79	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	C1
Size	6 3/16 x 3½
Mfg.	D.D.L.
Type	Diamond
Nozzle No.	
Nozzle Size	
Ser. No.	62-72
Depth Out	
Depth In	2756
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	WATER
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	11.00	7						WAIT ON WATER TO CORE.
11.00	12.00	1						Run in Slow With Core Barrels

No. 4460

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: Decalta CS Mesa Redstone P-78

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Jan 26 19 73

Weather Condition: S-S-W — Road Conditions: Fair — Nearest Town: Norman Wells — Water - Source: lake — Miles Hauled: 3/4 — Pumped ___ — Camp Distance from Rig: 200 yards — Reason for Extra L. Plant: spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leo Lemieux

Rig No. 2 — DWXS Ideco 7-11

Drill Pipe String: No. 2, Size 4½

Tool Joint 6" O.D. — Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C150B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No. Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	Jap	#36	20		1440	629	cemented w. 300 sac. construction cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		1½	1
Reaming			
Conditioning Mud & Circulating			
Trips			1¼
Lubricate Rig			¼
Deviation Survey			
Test B.O.P.		¼	
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	8	6¼	5½
Fishing			
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8.8	

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	19
Cumulative Rotating Hrs.	115

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
22	Stands D.P.	Ft.
2	Singles D.P.	2116.25 Ft.
2	D.C. 2¼ I.D. 7¼ O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 4½ H.D.	4.00 Ft.
1	Bit or C.B.	4.00 Ft.
	Kelly Down	41.76 Ft.
	Total	2725.00 Ft.

Wt. of String 94,000 Lbs.
Pipe in Hole 68 Jts.
Pipe on Racks 85 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	8
Size	8¾
Mfg.	Reed
Type	551G
Nozzle No.	3
Nozzle Size	16
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	18
Total Hr. Run	1½
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. & Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David Chatter

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2725													

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00								Dump tin cans, plastic, spruce trees and spruce boughs down annulus and push down through surface casing with collars. Pull out and cut more spruce trees and force them down annulus
	8:00	8						

Tour 5-3K

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
23	Stands D.P.	2147.30 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Rmr. Body O.D.	Ft.
1	Subs 4½ H.D.	4.00 Ft.
1	Bit or C.B.	4.00 Ft.
	Kelly Down	27.71 Ft.
	Total	2742.00 Ft.

Wt. of String 95,000 Lbs.
Pipe in Hole 69 Jts.
Pipe on Racks 84 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	8
Size	8¾
Mfg.	Reed
Type	551G
Nozzle No.	3
Nozzle Size	16
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	35
Total Hr. Run	3
Cond. of Bit	in
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
SAWDUST	20 SKS.		

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2725	2742	17	D			60	40	150	5½	30			

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						W/Bops; Motor Kills + Rig Service
8:15	2:30	6¼						Push Spruce Trees down To Bottom had To put Kelly on Several Times
2:30	4:00	1½						Drlg 8¾ hole.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
23	Stands D.P.	Ft.
1	Singles D.P.	2178.15 Ft.
6	D.C. SINGLES I.D. O.D.	182.42 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	33.93 Ft.
	Total	2400.00 Ft.

Wt. of String 40,000 Lbs.
Pipe in Hole 76 Jts.
Pipe on Racks 72 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	8
Size	8¾
Mfg.	REED
Type	551G
Nozzle No.	3
Nozzle Size	16
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	49
Total Hr. Run	4
Cond. of Bit	1-1-1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2742	2756	14	D			60	40	150	5½	30			(5)

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:00	1						DRILLING 8¾" HOLE
5:00	5:15	¼						RIG SERVICE
5:15	6:30	1¼						PULL OUT OFF HOLE
6:30	7:00	½						PICK UP 6 SINGLES.
7:00								WAIT ON WATER TO RUN
	12:00	5						A CEMENT PLUG

No. 4459

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Descalta CS Mesa Redstone P-78 | Date: Jan 25 1973

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Weather Condition: 30° | Road Conditions: Fair | Nearest Town: Norman Wells | Water - Source: lake | Miles Hauled: 2½ | Pumped: ___ | Camp Distance from Rig: 200 yards | Reason for Extra L. Plant: spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lavoy

Rig No. 2 — DWKS Ideco 7-11

Drill Pipe String: No. 2, Size 4½

Tool Joint: 6" O.D. — Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C-150 B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	Sap	#36	20		1440	629	cemented with 300 sacs construction cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	5½		1½
Reaming			
Conditioning Mud & Circulating			
Trips	2½		5½
Lubricate Rig			
Deviation Survey			
Test B.O.P.		1¼	
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other		7¾	14
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	88	

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1¼

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud 18

Cumulative Rotating Hrs. 172½

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
22	Stands D.P.		Ft.
2	Singles D.P.	2116.25	Ft.
2	D.C. 2 2/4 I.D. 7" O.D.	61.23	Ft.
16	D.C. 2 2/4 I.D. 6 1/4 O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O D.	4.00	Ft.
1	Bit ~~2 2/4~~ O.D.	4.00	Ft.
	Kelly Down	23.76	Ft.
	Total	2707	Ft.

Wt. of String 92,000 Lbs.

Pipe in Hole 68 Jts.

Pipe on Racks 85 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	ZAR
Size	8 3/4
Mfg.	sec.
Type	M44N
Nozzle No.	3
Nozzle Size	10
Ser. No.	913155
Depth Out	2707
Depth In	2631
Total Ftg.	76
Total Hr. Run	5½
Cond. of Bit	6 1 1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. ___ O.T. Hrs. ___

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Water			

Driller: Lloyd Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2631	2707	76	D			68	40	400	5½	30			S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:00	1						Run in to drill out plugs #4 & #5
1:00	6:30	5½						Drilling 8¾" hole
6:30	8:00	1½						Pull out of hole

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 31 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

Fuel 2'4"

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
22	Stands D.P.		Ft.
2	Singles D.P.	2116.25	Ft.
	D.C. I.D. O.D.	61.23	Ft.
	D.C. I.D. O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~X/O~~ O.D.	4.00	Ft.
1	Bit ~~5 1/8~~ O.D.	4.00	Ft.
	Kelly Down	23.76	Ft.
	Total	2707.00	Ft.

Wt. of String 92,000 Lbs.

Pipe in Hole 68 Jts.

Pipe on Racks 85 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	8
Size	8 3/4
Mfg.	Reed
Type	SSJG
Nozzle No.	3
Nozzle Size	16
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. ___ O.T. Hrs. ___

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
KwikSeal	2 bags		
Sawdust	10 bags		

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						√ Bops, Motor Kills + Rig Service
8:15	11:00	2¾						Cut + Push Trees + Tree Boughs down hole Tin Cans, Roll Plastic,
11:00	1:15	2¼						Push Trees + boughs Through Casing had To put Kelly on THREE Times & Pull Out To put more down.
1:15	4:00	2¾						Push Spruce Trees + Boughs down hole

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2707	2725	18				68	40	150	5½	30			S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:00	3						Push Spruce Trees down hole To Bottom had To Put Kelly On Several Times
7:00	8:00	1						Drlg 8¾ hole
8:00	8:45	¾						Build volume
8:45	9:15	½						Drilling
9:15	11:30	2¼						P.U. off of hole (had To pump Sawdust out of jets three times)
11:30	12:00	½						Cut spruce trees to put down hole.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		Ft.
22	Stands D.P.		Ft.
2	Singles D.P.	2116.25	Ft.
2	D.C. 2 2/4 I.D. 7" O.D.	61.23	Ft.
16	D.C. 2 2/4 I.D. 6 1/4 O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs ~~X/O~~ O.D.	4.00	Ft.
1	Bit ~~5 1/8~~ O.D.	4.00	Ft.
	Kelly Down	41.76	Ft.
	Total	2725.00	Ft.

Wt. of String 94,000 Lbs.

Pipe in Hole 68 Jts.

Pipe on Racks 85 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	8
Size	8 3/4
Mfg.	Reed
Type	SSJG
Nozzle No.	3
Nozzle Size	16
Ser. No.	394862
Depth Out	
Depth In	2707
Total Ftg.	18
Total Hr. Run	1½
Cond. of Bit	1 1 1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. ___ O.T. Hrs. ___

Trucker ___ Trucker ___ Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Water			
38 bags Sawdust			

Driller: Dave Matthews

No. 4458

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesa Redstone P-78

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Jan 24 1973

Weather Condition: 20 – Road Conditions: Fair Nearest Town: Norman Wells

Water - Source: lake Miles Hauled: 2½ Pumped ___ Camp Distance from Rig: 200 yards

Reason for Extra L. Plant: spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lovejoy

Rig No. 2 — DWKS Ideco 7-11

Drill Pipe String: No. 2, Size 4½

Tool Joint: 6" O.D., Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm600	16
2.	National	C150B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	Jap	36#	20		1440	629	cemented with 300 sac construction cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	2¼		
Reaming			
Conditioning Mud & Circulating			
Trips	1½	1¼	1
Lubricate Rig			¼
~~Install Drive Bushing~~ Deviation Survey		2	
Test B.O.P.		1¼	
Cut Off Drilling Line			
Repair Rig			
~~Rig To~~ Cement		1½	¾
Wire Line Logging			
~~Running~~ Casing & Cementing		¾	½
Waiting on Cement		2¼	5
Drill Stem Test			
Other	4¼		½
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1½

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud 17

Cumulative Rotating Hrs. 105½

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
22	Stands D.P.	2053.89 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 4½ O.D.	4.00 Ft.
1	Bit 8 3/4 O.D.	4.00 Ft.
	Kelly Down	10.12 Ft.
	Total	2631.00 Ft.

Wt. of String 91,000 Lbs.

Pipe in Hole 66 Jts.

Pipe on Racks 87 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	6
Size	8 3/4
Mfg.	Reed
Type	SS1G-J
Nozzle No.	3
Nozzle Size	10
Ser. No.	394941
Depth Out	
Depth In	2533
Total Ftg.	98
Total Hr. Run	4
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges Reg. Hrs. O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
water			

Driller: David Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2585'	2631	46	D			70	40	400	5½	30			S-

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:45	1¾						Drilling 8¾ hole
1:45	2:15	½						Wait on water + Rig service
2:15	2:45	½						Drilling
2:45	4:15	1½						Pull out of the hole
4:15	8:30	3¾						Wait to build water volume

Fuel 3'

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION PROTECTION — JAN 31 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
22	Stands D.P.	2053.89 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 4½ O.D.	4.00 Ft.
1	Bit 8 3/4 O.D.	4.00 Ft.
	Kelly Down	10.12 Ft.
	Total	2631.00 Ft.

Wt. of String 91,000 Lbs.

Pipe in Hole 66 Jts.

Pipe on Racks 87 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	6
Size	8 3/4
Mfg.	Reed
Type	SS1G
Nozzle No.	3
Nozzle Size	10
Ser. No.	394941
Depth Out	2631
Depth In	2533
Total Ftg.	98
Total Hr. Run	4
Cond. of Bit	5/1
Reamer No.	
Reamer Type	

Water Charges Reg. Hrs. O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						√ Bops, Motor Kills + Rig Service
8:15	10:15	2						Wait To build water Volume
10:15	11:00	¾						Run IT TO Run Cement Plug #4
11:00	12:30	1½						Rig up TO Cement
12:30	1:15	¾						Run Plug # 4 + Displace
1:15	1:45	½						Pull out
1:45	4:00	2¼						W.O.C. Run in TO Run Plug #5
								RIG INSPECTED – SATISFACTORY
								C. B. Wood Cons. Engineer
								Use Rig Cement Unit - Plug #4 1825-90
								30 Sax Construction Cement + 2% CaCl2
								Displace with 28 bbls water.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
22	Stands D.P.	2053.89 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 4½ O.D.	4.00 Ft.
1	Bit 8 3/4 O.D.	4.00 Ft.
	Kelly Down	10.12 Ft.
	Total	2631.00 Ft.

Wt. of String 91,000 Lbs.

Pipe in Hole 66 Jts.

Pipe on Racks 87 Jts.

Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	6A
Size	8 3/4
Mfg.	Sec
Type	M44M
Nozzle No.	3
Nozzle Size	10
Ser. No.	913155
Depth Out	
Depth In	2631
Total Ftg.	
Total Hr. Run	
Cond. of Bit	1/1
Reamer No.	
Reamer Type	

Water Charges Reg. Hrs. O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼						Rig Service
4:15	4:45	½						Conservation Board √
4:45	5:30	¾						Rig up TO Cement
5:30	6:00	½						Run Plug # 5 + displace
6:00	6:30	½						Pull out
6:30	11:30	5						W.O.C.
11:30	12:00	½						Run in to drill out plugs #4 + #5
								Use Rig Cement Unit - Plug #5 1825-90
								30 Sacks Construction Cement + 2% CaCl2
								Displace with 28 bbls water

KODAK SAFETY ▲ FILM + ▲

No. 4457

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesa Redstone P-78

Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date: Jan 23 1973

Weather Condition: 25 - Road Conditions: Fair Nearest Town: Norman Wells Water - Source: Lake Miles Hauled: 25 Pumped: ____ Camp Distance from Rig: 200 yards Reason for Extra L. Plant: 3 pare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Swiggy

Rig No. 2 DWKS Ideco 711

Drill Pipe String: No. 2 Size 4½

Tool Joint: 6" O.D. Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C150B	12
3.			

LAST CASING / TUBING OR LINER

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
CASING	9 5/8	Jap	36#	20		1440	629	cemented with 300
TUBING OR LINER								sacs construction cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	3/4		1 3/4
Reaming			
Conditioning Mud & Circulating			
Trips	1½	1½	4
Lubricate Rig			1/4
Deviation Survey			
Test B.O.P.		1/4	
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing		1/2	
Waiting on Cement		5	
Drill Stem Test			
Other	5 3/4	3 3/4	2
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
20	Stands D.P.		Ft.
2	Singles D.P.	1929.02	Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23	Ft.
16	D.C. 2 1/4 I.D. 6 1/4 O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O D.	4.00	Ft.
1	Bit or Stb.	4.00	Ft.
	Kelly Down	36.99	Ft.
	Total	2533.00	Ft.
Wt. of String		90,000	Lbs.
Pipe in Hole		62	Jts.
Pipe on Racks		91	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	5
Size	8 3/4
Mfg.	Reed
Type	551G
Nozzle No.	3
Nozzle Size	16
Ser. No.	395340
Depth Out	2533
Depth In	2478
Total Ftg.	55
Total Hr. Run	2 1/4
Cond. of Bit	611
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
15 sac sawdust			
water			

Driller: David Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2510	2533	23	D			70	40	300	5½	34			5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:45	3/4						Drilling 8 3/4" hole
12:45	2:15	1½						Pull out of hole
2:15	8:00	5 3/4						Build volume and rig up to cement

Each 4' 4"

RECEIVED DEPT. OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT CONSERVATION ENGINEER JAN 31 1973 YELLOWKNIFE, N.W.T. NORTHERN ECONOMIC DEVELOPMENT BRANCH

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
20	Stands D.P.		Ft.
2	Singles D.P.	1929.02	Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23	Ft.
16	D.C. 2 1/4 I.D. 6 1/4 O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O D.	4.00	Ft.
1	Bit or Stb.	4.60	Ft.
	Kelly Down	36.99	Ft.
	Total	2533.00	Ft.
Wt. of String		90,000	Lbs.
Pipe in Hole		62	Jts.
Pipe on Racks		91	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	6
Size	8 3/4
Mfg.	Reed
Type	SS1G
Nozzle No.	3
Nozzle Size	16
Ser. No.	394841
Depth Out	
Depth In	2533
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R Lutherland

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4						Rops, Motor Kills + Rig Service
8:15	9:00	3/4						Rig up Cement Unit
9:00	10:00	1						Run in To 1900' To Run Plug #3
10:00	10:30	1/2						Run Plug # 3 + displace
10:30	11:00	1/2						Pull out of cement
11:00	4:00	5						W.O.C. (Run in D.C)
								Used Rig Cementing Unit. Plug #2 1825-
								1890 30 Sax Construction Cement + 2%
								CaCl2. Displace with 28 bbls. water

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
21	Stands D.P.		Ft.
1	Singles D.P.	1991.61	Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23	Ft.
16	D.C. 2 1/4 I.D. 6 1/4 O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O D.	4.00	Ft.
1	Bit or Stb.	4.00	Ft.
	Kelly Down	27.40	Ft.
	Total	2585.00	Ft.
Wt. of String		91,000	Lbs.
Pipe in Hole		64	Jts.
Pipe on Racks		89	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	6
Size	8 3/4
Mfg.	Reed
Type	S5J6
Nozzle No.	~~3~~
Nozzle Size	~~16~~ 10
Ser. No.	394841
Depth Out	
Depth In	2533
Total Ftg.	52
Total Hr. Run	2 3/4
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
water			

Driller: David Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2533	2585	52	D			70	40	400	5½	30			5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4						Rig Service
4:15	4:45	1/2						W.O.C.
4:45	5:30	3/4						Run in to drill out Plug #3
5:30	6:00	1/2						Tag Bred Rig Spec. Never got any Return
								Went Right To Bottom No
								Sign of Plug
6:00	6:15	1/4						Survey @ 2533
6:15	7:45	1½						Pull out To Put #10 Jets in Bit
								+ Run jet Sub Below Water @ 150'
7:45	9:30	1 3/4						Run in
9:30	10:15	3/4						Drilling with jet sub.
10:15	11:00	3/4						Trip out jet sub and build volume
11:00	12:00	1						Drilling 5 3/4" hole

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	16
Cumulative Rotating Hrs.	

No. 4456

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name Decalta CS Mesa Redstone P-78 | Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M. | Date Jan 22 1973

Weather Condition | Road Conditions Fair | Nearest Town Normandale Wells | Water - Source Lake, Miles Hauled 25, Pumped | Camp Distance from Rig 200 Yards, Reason for Extra L. Plant spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Swingley

Rig No. 3 DWKS Ideco 7-11 | Drill Pipe String: No. 9, Size 4½ | Tool Joint: Type Tbd. F.H, 6" O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C150 B	12
3.			

	Size	Make	Wt. & Gr.	No. Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Jap	36 E	20		440	629	cement with 300 sac.
TUBING OR LINER								construction cement.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	5		1½
Reaming			
Conditioning Mud & Circulating			
Trips	3	1½	1½
Lubricate Rig			
Deviation Survey			
Test B.O.P.		1¼	
Cut Off Drilling Line			
Repair Rig			
~~W.O.O~~ Casing		3¼	3
Wire Line Logging			
~~Running Casing~~ & Cementing		¾	
Waiting on Cement		3	
Drill Stem Test			
Other		2	2
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1⅛

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud 15

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
20	Stands D.P.		Ft.
1	Singles D.P.	1897.90	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O O.D.	4.00	Ft.
1	Bit ~~Stb~~ O.D.	4.00	Ft.
	Kelly Down	13.21	Ft.
	Total	2478.00	Ft.
Wt. of String	90,000		Lbs.
Pipe in Hole	61		Jts.
Pipe on Racks	95		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	4
Size	8 3/4
Mfg.	Sec.
Type	MA44 IN
Nozzle No.	open
Nozzle Size	
Ser. No.	913149
Depth Out	2478
Depth In	2268
Total Ftg.	210
Total Hr. Run	10½
Cond. of Bit	5-4-1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	8.4
Visc.-Sec.	28
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Water			

Driller David Watson

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE-RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2387	2479	91	D			70	40	200	5½	35			S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	5:00	5						Drilling 8¾" hole
5:00	8:00	3						pull out of hole
								hole tight for 5'
								X Lost circulation
								LOST CIRC WHILE MAKING CONNECTION IN Tight Hole
								Fuel 5—2"

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND GAS DIVISION
RECEIVED
JAN 31 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
20	Stands D.P.		Ft.
1	Singles D.P.	1897.80	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O ~~O.D.~~	4.00	Ft.
1	Bit ~~Stb~~ O.D.	4.00	Ft.
	Kelly Down	13.21	Ft.
	Total	2478.00	Ft.
Wt. of String	90,000		Lbs.
Pipe in Hole	61		Jts.
Pipe on Racks	95		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
5000 lbs Gel			
100 Caustic			

Driller R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW COR.E. RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						V Bops + Motor Kills + Rig Service
8:15	9:00	¾						W.O.O.
9:00	10:00	~~1~~						Rig To Cement
10:00	12:00	1						Run in To 1900 To Run Plug #2
12:00	12:30	½						Run Plug # 2 + Displace
12:30	4:00	~~3½~~						~~W.O.C.~~ Pull OUT OF hole
1:00	4:00	3						W.O.C
								Used R.C. CEMENTING UNIT.
								Plug #2 1825-1596 30 Sax Construction
								Cement + 2% CaCl2 - displace with 28 bbls water

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
20	Stands D.P.		Ft.
2	Singles D.P.	1929.02	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O O.D.	4.00	Ft.
1	Bit ~~Stb~~ O.D.	4.00	Ft.
	Kelly Down	13.99	Ft.
	Total	2510.00	Ft.
Wt. of String	90,000		Lbs.
Pipe in Hole	62		Jts.
Pipe on Racks	91		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	5
Size	8 3/4
Mfg.	Reed
Type	S516
Nozzle No.	3
Nozzle Size	16
Ser. No.	395340
Depth Out	
Depth In	2478
Total Ftg.	32
Total Hr. Run	1½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	6:00
Weight	8.6
Visc.-Sec.	45
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
27 Sacs	Sawdust		
2800 Gel.			

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2478	2510	32	D			70	40	300	5½	32			S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:00	3						W.O.C.
7:00	9:30	1½						Run in To Drill Out Plug #2
8:30	9:45	1¼						Drilling out plug #2
9:45	10:15	½						Drilling 8¾" hole [redacted]
10:15	11:00	¾						Build Volume to drill [redacted]
11:00	12:00	1						Drilling 8¾" hole [redacted]
								Hot Fluid RETURNS Till Drill Through
								Plug. Had Drilling Break @ 2460
								~~2485~~ LOST RETURNS Fluid Level
								150 FEET FROM TABLE.

No. 4455

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesa Redstone P-78

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: Jan 21 1973

Weather Condition: 35- Road Conditions: Fair

Nearest Town: Norman Wells Water - Source: Lake Miles Hauled: 2½ Pumped ___ Camp Distance from Rig: 200 yards Reason for Extra L. Plant ___

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Swanson

Rig No. 2 DWKS Ideco 7-11 | Drill Pipe String: No. 2, Size 4½ | Tool Joint: Type Thd. F.H., O.D. 6"

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C150B	12
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Jap	36#	20		1440	629 KB	cemented with 300 sax construction cement
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	¾		2
Reaming			
Conditioning Mud & Circulating			
Trips	1½	2¼	2½
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Kill To Cement		2¼	
Wire Line Logging			
Run Line Casing & Cementing		1½	
Waiting on Cement		3	3
Drill Stem Test			
Other	¾		½
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No. ___

No. of Lines 8 Size 1¼

Feet Slipped ___

Feet Cut Off ___

Present Length ___

Ton Mi. or Trips Since Last Cut ___

Cumulative Ton Mi. or Trips ___

No. of Days From Spud 14

Cumulative Rotating Hrs. ___

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
18	Stands D.P.		Ft.
2	Singles D.P.	1743.45	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O O.D.	4.00	Ft.
1	Bit or C.B. 8¾ O.D.	4.00	Ft.
	Kelly Down	41.56	Ft.
	Total	2352.00	Ft.
Wt. of String	86,000		Lbs.
Pipe in Hole	56		Jts.
Pipe on Racks	97		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	4		
Size	8¾		
Mfg.	Sec		
Type	M44N		
Nozzle No.	open		
Nozzle Size			
Ser. No.	913146		
Depth Out			
Depth In	2268		
Total Ftg.	84		
Total Hr. Run	3¾		
Cond. of Bit			
Reamer No.			
Reamer Type			

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David Chalfoux

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2335	2352	17	D			70	40	200	5½	35			5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:45	¾						Drilling 8¾" hole
12:45	2:15	1½						Pull out of hole (Last circulation)
2:15	8:00	5¾						Build volume R.I.H. Cement Plug
								RETURNS 70% while Drilling
								2" 2" Fuel

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 31 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
18	Stands D.P.		Ft.
2	Singles D.P.	1743.45	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O O.D.	4.00	Ft.
1	Bit or C.B. 8¾ O.D.	4.00	Ft.
	Kelly Down	41.56	Ft.
	Total	2352.00	Ft.
Wt. of String	86,000		Lbs.
Pipe in Hole	56		Jts.
Pipe on Racks	97		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	4		
Size	8¾		
Mfg.	Sec		
Type	M44N		
Nozzle No.	open		
Nozzle Size			
Ser. No.	913149		
Depth Out			
Depth In			
Total Ftg.			
Total Hr. Run			
Cond. of Bit			
Reamer No.			
Reamer Type			

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:15	2¼						Rig up Cement Mixer
10:15	11:45	1½						Run in To 1900'. Picked up 7 jts D.P.
11:45	12:15	½						Run Plug # 1 + Displace
12:15	1:00	¾						Pull out of hole
1:00	4:00	3						W.O.C.
								USED RIG CEMENTING UNIT FOR PLUG.
								PLUG # 1 1825-90 30 Sax Construction Cement +2% CaCl2. Displaced with 28 bbls water.
								P.D. 12:13 P.M.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
19	Stands D.P.		Ft.
1	Singles D.P.	1804.24	Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38	Ft.
1	Stb. Body O.D.	5.38	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
1	Subs X/O O.D.	4.00	Ft.
1	Bit or C.B. 8¾ O.D.	4.00	Ft.
	Kelly Down	15.77	Ft.
	Total	2385.00	Ft.
Wt. of String	89,000		Lbs.
Pipe in Hole	58		Jts.
Pipe on Racks	95		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	4		
Size	8¾		
Mfg.	Sec.		
Type	M44N		
Nozzle No.	open		
Nozzle Size			
Ser. No.	913149		
Depth Out			
Depth In	2268		
Total Ftg.	119		
Total Hr. Run	5¾		
Cond. of Bit	1N		
Reamer No.			
Reamer Type			

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Water			

Driller: David Chalfoux

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2352	2361	35	D			70	40	200	5½	35			5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:00	¾						[redacted] W.O.C.
7:00	9:30	2½						Run in To drill out Plug #1
9:30	10:00	½						Drilling out plug #1
10:00	12:00	2						Drilling 8¾" hole (about 70% returns)

No. 4454

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: Decalta CS Mesa Redstone P-74 — Date: Jan 20 19 73

Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Weather Condition: 40 - Road Conditions: fair — Nearest Town: Norman Wells — Water - Source: lake, Miles Hauled: 2½, Pumped: ____ — Camp Distance from Rig: 200 yards, Reason for Extra L. Plant: spare

OPERATOR: Western Decalta

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lumley

Rig No. 2 — DWKS Ideco 7-11

Drill Pipe String: No. 2 — Size 4½

Tool Joint: 6" O.D. — Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C150 B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	Jap	36#	20		1440	629 KB.	cemented w/ 300 sacks const cement

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	2¼		3
Reaming			
Conditioning Mud & Circulating			
Trips	5½		
Lubricate Rig			¼
Deviation Survey			
Test B.O.P.		¼	
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	¼	8	4¾
Fishing			

COMPLETION WORK: A. Perforating; B. Tubing Trips; C. Swabbing; D. Testing; E. Additional

Totals: 8 8¼ 8

TIME SUMMARY (Office Use Only)

Day Work

Hrs. W/DP

Hrs. WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines — Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days Spud

Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
18	Stands D.P.	1681.57 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
1	Stb. Body O.D.	4.00 Ft.
1	Rmr. Body 10 O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	19.44 Ft.
	Total	2268.00 Ft.
Wt. of String		84,000 Lbs.
Pipe in Hole		54 Jts.
Pipe on Racks		99 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	3
Size	8 3/4
Mfg.	sec
Type	M44N
Nozzle No.	open
Nozzle Size	
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	206
Total Hr. Run	7½
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
water			

Driller: David Chatters

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2228	2268	40	D			80	40	200	5½	33			S

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00								Pushing spruce trees and limbs to bottom Had to break down stands and pick up Kelly several times.
	4:00	4						Break circulation
4:00	4:15	¼						Drilling 8¾" hole. Approximetly 20 % return
4:15	6:30	2¼						Pull out of the hole to push spruce trees
6:30	8:00	1½						down.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 31 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

3 Ft Fuel

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
18	Stands D.P.	1681.57 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 10 O.D.	4.00 Ft.
1	Bit C.B.	4.00 Ft.
	Kelly Down	19.44 Ft.
	Total	2268.00 Ft.
Wt. of String		84,000 Lbs.
Pipe in Hole		54 Jts.
Pipe on Racks		99 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	3	4
Size	8 3/4	8 3/4
Mfg.	sec	sec
Type	M44N	M44N
Nozzle No.	open	open
Nozzle Size		
Ser. No.	913155	913146
Depth Out	2268	
Depth In	2062	2268
Total Ftg.	206	
Total Hr. Run	7¼	
Cond. of Bit	3 I 4	
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
SAWDUST	20 SKS.		

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						√ BOPs, Motor Kills + Rig Service
8:15	11:00	2¾						Push Spruce Trees down hole
11:00	1:30	2½						Push spruce Trees Through Casing had To Put Kelly on Three Times & Pull Out To Put More Spruce Trees down
1:30	4:00	2½						Push More Spruce Trees down hole

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
18	Stands D.P.	Ft.
2	Singles D.P.	1743.45 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
1	Subs 10 O.D.	4.00 Ft.
1	Bit C.B.	4.00 Ft.
	Kelly Down	24.56 Ft.
	Total	2335.00 Ft.
Wt. of String		86,000 Lbs.
Pipe in Hole		56 Jts.
Pipe on Racks		97 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	4
Size	8 3/4
Mfg.	sec
Type	M44N
Nozzle No.	open
Nozzle Size	
Ser. No.	913146
Depth Out	
Depth In	2268
Total Ftg.	67
Total Hr. Run	3
Cond. of Bit	1 I 0
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Water			

Driller: David Chatters

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2268	2335	67	D			70	40	200	5½	36			S

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:5	¼						Rig Service
4:15								Push Spruce Trees down hole + Run in + Push Spruce Trees To Bottom had To Put Kelly on Twice
	7:15	3:00						Ream out 50 Trees To Bottom.
7:15	9:00	1 45						Drilling 8¾" hole
9:00	12:00	3						

No. 4453

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: DECALTA CS MESA REDSTONE P-78
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.
Date: JAN. 19 1973
Weather Condition
Road Conditions: GOOD
Nearest Town: NORMAN WELLS
Water - Source: LAKE
Miles Hauled: 2½ Pumped
Camp Distance from Rig: 2,000 YDS.
Reason for Extra L. Plant: SPARE

OPERATOR: WESTERN DECALTA

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Keshi Swamy

Rig No. 2 — DWKS Geared 2-4

Drill Pipe String: No. 1 — Size 4½

Tool Joint 6" O.D. — Type Tbd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM600	16
2.	NAT.	C 150B	12
3.			

CASING / TUBING OR LINER

	Size	Make	Wt. & Gr.	No. Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
CASING	9 5/8	JAP	36#	20		14.40	629	K.B. cemented w/ 300 SKS. const.
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	½	13¼	
Reaming	3¼		
Conditioning Mud & Circulating			
Trips		1½	
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	6¾	4¼	8
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

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

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
17	Stands D.P.	Ft.
1	Singles D.P.	16, 19.91 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
1	Stb. Body O.D.	4.00 Ft.
1	Rmr. Body O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	12.26 Ft.
	Total	2199.00 Ft.
Wt. of String		82,000 Lbs.
Pipe in Hole		52 Jts.
Pipe on Racks		101 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	3
Size	8¾
Mfg.	SEC
Type	M44N
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	137
Total Hr. Run	5
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	90
Visc.-Sec.	300
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	4000#		
SAWDUST	110 SKS.		
CAUSTIC	50#		
KWIKSEAL	8 SKS.		

Driller: Lon Lanthier

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2190	2199	9	D			80	40	200	5½	30			S

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12⁴⁵	¾						BREAK CIRC. & CLEAN TO BOTTOM.
12⁴⁵	1¹⁵	½						DRILLING 8¾" HOLE
1¹⁵								PULLED 4 STANDS & MIXING GEL
								SAWDUST & KWIK SEAL TO THICKEN
	6¹⁵	5						BATCH
6¹⁵								RUN IN 4 STANDS PUMPED THE
	8⁰⁰	1¾						REST OF HEAVY BATCH NO RETURNS.
								FUEL 4 hr 1 in

RECEIVED — DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — REGISTRATION BRANCH — JAN 31 1973 — NORTHERN ENGINEERING DEVELOPMENT

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
17	Stands D.P.	Ft.
1	Singles D.P.	1619.81 Ft.
2	D.C. 2¼ I.D. 7" O.D.	61.23 Ft.
16	D.C. 2¼ I.D. 6¼ O.D.	492.38 Ft.
1	Stb. Body O.D.	5.38 Ft.
1	Stb. Body O.D.	Ft.
1	Rmr. Body O.D.	4.00 Ft.
1	Subs O.D.	4.00 Ft.
1	Bit or C.B.	4.00 Ft.
	Kelly Down	42.20 Ft.
	Total	2228.00 Ft.
Wt. of String		82,000 Lbs.
Pipe in Hole		52 Jts.
Pipe on Racks		101 Jts.
Total Pipe on Lease		153 Jts.

BIT RECORD

Bit No.	3
Size	8¾
Mfg.	Sec
Type	M44N
Nozzle No.	open
Nozzle Size	
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	137
Total Hr. Run	5
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	Water
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2199	2228	29	D			80	40	150	5½	30			S

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00								Pull one stand and build volume
	8:45	¾						to drill with water
8:45	10:30	1¾						Drilling 8¾" hole (no returns)
10:30	12:00	1½						Pull out of the hole (Fluid 50 ft. down)
12:00	4:00	4						cutting spruce limbs and pushing them
								down annulus

BIT RECORD

Bit No.	3
Size	8¾
Mfg.	~~M44N~~ Sec
Type	M44N
Nozzle No.	open
Nozzle Size	
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	137
Total Hr. Run	5
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Braithwaite

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00								Push Spruce limbs Through Casing
								Lad To put Kelly on First
								Stand of D.C. Pull out &
								Push more Spruce limbs down
								hole & Small Spruce Trees START
		12:00						in hole To Chew up Trees

No. 4452

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: DECALTA CS MESA REDSTONE E-78 — Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: JAN. 18 1973

Weather Condition: 34 Below — Road Conditions: FAIR — Nearest Town: FORT MACKAY — Water - Source: Lake — Miles Hauled: 2 1/2 — Pumped: ___ — Camp Distance from Rig: 200 yds. — Reason for Extra L. Plant: Spare.

OPERATOR: WESTERN DECALTA

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

Rig No. 2 — DWKS 2-2000 2-1102

Drill Pipe String: No. ___ Size 4 1/2

Tool Joint 6" O.D. — Type Thd. E.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1	IDECO	MM600	16
2	NAT.	C150B	12
3			

	Size	Make	Wt. & Gr.	No. Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9 5/8	Jap	36#	20		14.40	629	K.B. cemented w/
TUBING OR LINER								300 SKS. const.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	4 1/2		
Reaming			
Conditioning Mud & Circulating			
Trips	1/2	1	1 1/2
Lubricate Rig	1/4		
Deviation Survey	1/4		
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	2 1/2	5	6 1/2
Fishing			

COMPLETION WORK: A. Perforating; B. Tubing Trips; C. Swabbing; D. Testing; E. Additional

Totals: 8 5 8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 — Size 1 1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	11
Cumulative Rotating Hrs.	84 1/2

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
17	Stands D.P.	1588.42 Ft.
	Singles D.P.	Ft.
2	D.C. 2 1/4 I.D. 7 O.D.	61.23 Ft.
16	D.C. 2 1/4 I.D. 6 1/2 O.D.	492.38 Ft.
1	Sub Bottom	5.38 Ft.
1	Bit sub	4.00 Ft.
1	Rmr. Bottom O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	34.54 Ft.
	Total	2190.00 Ft.

Wt. of String: 82,000 Lbs.

Pipe in Hole: 51 Jts.

Pipe on Racks: 102 Jts.

Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	3
Size	8 3/4
Mfg.	SEC.
Type	M44N
Nozzle No.	3
Nozzle Size	16
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	128
Total Hr. Run	4 1/2
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker: ___

Trucker: ___

Trucker: ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: John McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2062	2190	128	D			80	40	350	5 1/2	44	5 1/2		S
								200	5 1/2	30			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2103	2 1/4°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	2:15	2 1/4						DRILLING 8 3/4" HOLE
2:15	2:30	1/4						SURVEY AT 2103 30 FT OFF BOTTOM.
2:30	2:45	1/4						RIG SERVICE
2:45	5:00	2 1/4						DRILLING PARTIALLY RETURNS
5:00	5:30	1/2						PULL OUT TO CASING OUT OF
								WATER
5:30	8:00	2 1/2						WAIT ON WATER.

FUEL 2 feet

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
17	Stands D.P.	1588.47 Ft.
	Singles D.P.	Ft.
2	D.C. 2 1/4 I.D. 7 O.D.	61.23 Ft.
16	D.C. 2 1/4 I.D. 6 1/2 O.D.	492.38 Ft.
1	Sub Bottom	5.38 Ft.
1	Bit sub	4.00 Ft.
1	Rmr. Bottom O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	34.54 Ft.
	Total	2190.00 Ft.

Wt. of String: 82,000 Lbs.

Pipe in Hole: 51 Jts.

Pipe on Racks: 102 Jts.

Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	3
Size	8 3/4
Mfg.	Sec
Type	M44N
Nozzle No.	3
Nozzle Size	16
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	128
Total Hr. Run	4 1/2
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker: ___

Trucker: ___

Trucker: ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
15,000 lbs Gel			
30 bags Kwi-Kseal			
26 bags sawdust			
200 lbs caustic soda			

Driller: David Chatters

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2190													

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00								Wait on water & mix gel
	4:00	8						Rig Service & Bop check

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 24 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
17	Stands D.P.	1588.42 Ft.
	Singles D.P.	Ft.
2	D.C. 2 1/4 I.D. 7 O.D.	61.23 Ft.
16	D.C. 2 1/4 I.D. 6 1/2 O.D.	492.38 Ft.
1	Sub Bottom	5.38 Ft.
1	Bit sub	4.00 Ft.
1	Rmr. Bottom O.D.	4.00 Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	34.54 Ft.
	Total	2190.00 Ft.

Wt. of String: 82,000 Lbs.

Pipe in Hole: 51 Jts.

Pipe on Racks: 102 Jts.

Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	3
Size	8 3/4
Mfg.	Sec
Type	M44N
Nozzle No.	open
Nozzle Size	[redacted]
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker: ___

Trucker: ___

Trucker: ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	HEAVY
W.L.-C.C.	BATCH
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
CAUSTIC		50	#
KWIKSEAL		10	SKS.
SAWDUST		30	SKS.

Driller: John McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2190													

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	10:30	6 1/2						Mixing Gel & Sawdust & KwikSeal
10:30	12:00	1 1/2						[redacted] TAKE JETS OUT OF BIT &
								RUN IN FW BIT.

No. 4451

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESA — REDSTONE 8-78

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: JAN. 17 1973

Weather Condition: 34 Below. Road Conditions: Fair. Nearest Town: Yellowknife. Water - Source: Lake. Miles Hauled: 1/4. Pumped: ___. Camp Distance from Rig: 1000 yds. Reason for Extra L. Plant: Spare.

OPERATOR: WESTERN DECALTA

Rig No. 2 — OWNS Plains 2-11

Drill Pipe String: No. 3, Size 4½

Tool Joint: 6" O.D., Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Swingler

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM1600	16
2.	NAT.	C1508	12
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	JAP	36#	20		14.40	629	K.B. cemented w/ 300 SKS. const.
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	3	5¾	
Reaming	1/2	1/4	
Conditioning Mud & Circulating			
Trips	1/2	2¼	1/2
Lubricate Rig			
Deviation Survey	1/4		
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	4	3	7½
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1 1/8

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud 10

Cumulative Rotating Hrs. 80

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
15	Stands D.P.	1401.56	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.39	Ft.
1	Sub Bottom O.D.	5.38	Ft.
1	Sub Top O.D.	4.00	Ft.
1	Rmr/Stab Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	36.45	Ft.
	Total	2005.00	Ft.
Wt. of String	79,000		Lbs.
Pipe in Hole	45		Jts.
Pipe on Racks	108		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	REED
Type	S516-J
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	333
Total Hr. Run	25½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: John McCutcheon

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1947	2005	58	D			50	40	150	5½	35	5½		C

Deviation Record: Depth 1947 — Dev. 3° — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	4 00	4						WAIT ON WATER
4 00	4 30	1/2						RUN IN
4 30	4 45	1/4						BREAK CIRC.
4 45	6 00	1 1/4						DRILLING 8¾" HOLE PARTIALLY RETURNS.
6 00	6 15	1/4						SURVEY 30' OFF BOTTOM AT 1947 FT
6 15	8 00	1 3/4						DRILLING
								USING YELLOW DOG TO PUMP OUT SUMP. FUEL 3 ft.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
15	Stands D.P.		Ft.
2	Singles D.P.	1463.88	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38	Ft.
1	Sub Bottom O.D.	5.38	Ft.
1	Sub Top O.D.	4.00	Ft.
1	Rmr/Stab Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	31.13	Ft.
	Total	2062.00	Ft.
Wt. of String	80,000		Lbs.
Pipe in Hole	47		Jts.
Pipe on Racks	106		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	2	3
Size	8 3/4	8 3/4
Mfg.	REED	SEC
Type	S516-J	M44N
Nozzle No.	OPEN	3
Nozzle Size		16
Ser. No.	394854	913155
Depth Out	2062	
Depth In	1672	2062
Total Ftg.	390	
Total Hr. Run	28¼	
Cond. of Bit	7-8-1	
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time	
Weight	Water
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Dave Chatterton

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2005	2062	57				80	40	150	5½	30	5½		(S)

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
900	1045	2¾						DRILLING BLIND (NO RETURNS)
1045	12:00	1¼						TRIP TO BUILD VOLUME & CHANGE BITS
12:00	1:00	1						RUN IN DRILL COLLARS
1:00	4:00	3						WAIT ON WATER

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 24 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
15	Stands D.P.		Ft.
2	Singles D.P.	1463.88	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38	Ft.
1	Sub Bottom O.D.	5.38	Ft.
1	Sub Top O.D.	4.00	Ft.
1	Rmr/Stab Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	31.13	Ft.
	Total	2062.00	Ft.
Wt. of String	80,000		Lbs.
Pipe in Hole	47		Jts.
Pipe on Racks	106		Jts.
Total Pipe on Lease	153		Jts.

BIT RECORD

Bit No.	3
Size	8 3/4
Mfg.	SEC.
Type	M44N
Nozzle No.	3
Nozzle Size	16
Ser. No.	913155
Depth Out	
Depth In	2062
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ___

Trucker ___

Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: John McCutcheon

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2062			D.										

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	11:30	7½						Wait on Water
11:30	12:00	1/2						RUN IN W BIT.

No. 4500

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESA REDSTONE P-38
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: JAN. 16 1973

Weather Condition: 44 Road Conditions: Fair

Nearest Town: Tom Wells Water Source: Lake Miles Hauled: 1/2 Pumped: ___

Camp Distance from Rig: 200 yds. Reason for Extra L. Plant: Spare.

OPERATOR: WESTERN DECALTA

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

Rig No. 2 DWKS 22-11

Drill Pipe String: No. 2 Size 4½

Tool Joint: 6" O.D. Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO.	MM.600	16
2.	NAT.	C-150B	12
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	Spp	36#	20		1440	1629	KR. cemented 1st 300 SKS. const.
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		1	1/2
Reaming clean out			1/2
Conditioning Mud & Circulating			
Trips		2	1
Lubricate Rig		1/4	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	8	4¼	6
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8 Size 1 1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	9
Cumulative Rotating Hrs.	74¼

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
14	Stands D.P.		Ft.
1	Singles D.P.	1339.06	Ft.
2	D.C. 2¼ I.D. 2 O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38	Ft.
1	Sub Bowen O.D.	5.38	Ft.
1	Stab. Shoot O.D.	4.00	Ft.
1	Rmr. Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	13.95	Ft.
	Total	1920.00	Ft.

Wt. of String 78,000 Lbs.
Pipe in Hole 43 Jts.
Pipe on Racks 110 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	REED
Type	SS-16-J
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	248
Total Hr. Run	21
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker ___
Trucker ___
Trucker ___

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: [signature]

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1920													

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200								WAIT ON WATER TANK FOR STORAGE TO DRILL BLIND.
	800	8						Build Volume To Drill Blind with
								BRING WATER TANK FROM RIVER TO STORE
								WATER WITH TO Drill Blind.
								FUEL 4ft. 2 in.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
14	Stands D.P.		Ft.
1	Singles D.P.	1339.06	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38	Ft.
1	Sub Bowen O.D.	5.38	Ft.
1	Stab. Shoot O.D.	4.00	Ft.
1	Rmr. Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	30.95	Ft.
	Total	1937.00	Ft.

Wt. of String 78000 Lbs.
Pipe in Hole 43 Jts.
Pipe on Racks 110 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	SS1G-T
Nozzle No.	open
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	265
Total Hr. Run	22
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker ___
Trucker ___
Trucker ___

MUD RECORD

Time	
Weight	water
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: [signature]

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1920	1937	17	D			80	40	175	5½	30			(5)

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4						Rig Service & B.O.P check
8:15	9:00	3/4						Build volume to drill blind with
9:00	10:00	1						Run in to drill blind
10:00	11:00	1						Drilling 8¾" hole (no returns)
11:00	12:00	1						Pull out to build water volume (hole tight off bottom)
12:00	4:00	4						wait on water.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 24 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
14	Stands D.P.		Ft.
1	Singles D.P.	1339.06	Ft.
2	D.C. 2¼ I.D. 2 O.D.	61.23	Ft.
16	D.C. 2¼ I.D. 6½ O.D.	492.38	Ft.
1	Sub Bowen O.D.	5.38	Ft.
1	Stab. Shoot O.D.	4.00	Ft.
1	Rmr. Body O.D.	4.00	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	40.95	Ft.
	Total	1942.00	Ft.

Wt. of String 78,000 Lbs.
Pipe in Hole 43 Jts.
Pipe on Racks 110 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	SS1G-J
Nozzle No.	open
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	275
Total Hr. Run	22½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker ___
Trucker ___
Trucker ___

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: [signature]

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1937	1947	10	D			80	40	150	5½	40			(5)

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	9:00	5						Wait on water
9:00	9:30	1/2						RUN IN TO DRILL BLIND.
9:30	10:00	1/2						CLEAN TO BOTTOM.
10:00	10:30	1/2						DRILLING BLIND.
10:30	11:00	1/2						PULL OUT TO CASING (NO WATER)
11:00	12:00	1						WAIT ON WATER

No. 4499

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA C.S. MESA REDSTONE P-78
Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date: JAN 15 1973

Weather Condition: 46° Below Road Conditions: Fair Nearest Town: Fort Mc Murray Water - Source: Lake Miles Hauled: 2½ Pumped: ____ Camp - Distance from Rig: 2 miles Reason for Extra L. Plant: Space.

OPERATOR: WESTERN DECALTA

Rig No. 2 DWKS Q Rig 2-11

Drill Pipe String: No. 2 Size 4½ Type Thd. F.H.

Tool Joint 6" O.D.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Rick Swirsky

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM600	16
2.	NAT.	C150B	12
3.			

	Size	Make	Wt. & Gr.	No. Joints	Feet	RKB to CSG. HD.	Set at	Remarks
LAST CASING	9⅝	SAP	36#	20		14.40	629	cemented /w 300SKS.
TUBING OR LINER								of Const.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement PICK UP			
Drill Stem Test D.C.			2
Other	8	8	6
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.
No. of Lines 8 Size 1 1/8
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud 8
Cumulative Rotating Hrs. 22 3/4

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
16	Stands D.P.	1495.08	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Sub Box 6 O.D.	5.38	Ft.
1	Sub Box 4 O.D.	4.00	Ft.
1	Rmr Box 4 O.D.	4.00	Ft.
1	Sub 4 O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	41.67	Ft.
	Total	1920.00	Ft.

Wt. of String 63,000 Lbs.
Pipe in Hole 48 Jts.
Pipe on Racks 105 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	REED
Type	S516
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394354
Depth Out	
Depth In	1672
Total Ftg.	248
Total Hr. Run	21
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL		7500#	
KWIKSEAL		42 SKS.	
SAWDUST		40 SKS	
CAUSTIC.			

Driller: L. McCarthur

FOOTAGE

From	To	Ftge.
1920		

DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press | Pump No. 1 Liner Size | Pump No. 1 S.P.M. | Pump No. 2 Liner Size | Pump No. 2 S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00								MIXING GEL & SAWDUST LOST
	2 30	2½						CIRC PLUG.
2 30								DUMPING KWIK SEAL & SAWDUST
								DOWN ANNULUS ~~FROM~~ FOLLOWED /W
								GEL & SAWDUST SLURRY. GOT RETURNS
								BUT DIDN'T STAY.
	4 00	1½						
4 00								MIXING GEL & SAWDUST BATCH
								NO. 6#
								FUEL 5 ft. 3 in.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
16	Stands D.P.	1495.08	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Sub Box 6 O.D.	5.38	Ft.
1	Sub Box 4 O.D.	4.00	Ft.
1	Rmr Box 4 O.D.	4.00	Ft.
1	Sub 4 O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	41.67	Ft.
	Total	1920.00	Ft.

Wt. of String 63,000 Lbs.
Pipe in Hole 48 Jts.
Pipe on Racks 105 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	S516-J
Nozzle No.	open
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	248
Total Hr. Run	21
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
6800 # gel			
84 bags sawdust			
35 bags kwikseal			
4 bags caustic			

Driller: David Chatten

FOOTAGE

From	To	Ftge.
1920		

DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press | Pump No. 1 Liner Size | Pump No. 1 S.P.M. | Pump No. 2 Liner Size | Pump No. 2 S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	9 30	1½						Mixing Gel & Sawdust (Batch #6)
9 30	11 30	2						Pumping down batch #6 Got returns
								but didn't stay
11 30	1 00	1½						Mixing Gel & Sawdust (Batch #7)
~~1 00~~	~~2 00~~	~~1~~						~~Run in hole to pump batch #7~~

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
16	Stands D.P.	1495.08	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Sub Box 6 O.D.	5.38	Ft.
1	Sub Box 4 O.D.	4.00	Ft.
1	Rmr Box 4 O.D.	4.00	Ft.
1	Sub 4 O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	41.67	Ft.
	Total	1920.00	Ft.

Wt. of String 63,000 Lbs.
Pipe in Hole 48 Jts.
Pipe on Racks 105 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	REED
Type	S516-J
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1622
Total Ftg.	248
Total Hr. Run	21
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Gel	1500 #		

Driller: Liam Carthen

FOOTAGE

From	To	Ftge.
1920		

DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press | Pump No. 1 Liner Size | Pump No. 1 S.P.M. | Pump No. 2 Liner Size | Pump No. 2 S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 30	½						mixing Gel & Sawdust (Batch #7)
4 30	6 00	1½						Run in hole to pump batch #7
6 00	7 30	1½						pump down batch #7 and pour
								Sawdust & Kwikseal down annulus
								(No returns)
7 30	8 00	½						Pull out of the hole to mix mud.
8 00	10 00	2						MIXING GEL
10 00	12 00	2						PICK UP 6 DRILL COLLARS & LAY
								DOWN 5 SINGLES.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 24 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

No. 4498

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESA REDSTONE P-38
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.
Date: JAN. 14 1973

Weather Condition: 30 Below | Road Conditions: Fair | Nearest Town: Fram Well | Water Source: Lake | Miles Hauled: 2 Hrs | Pumped: ___ | Reason for Extra L. Plant: Space | Camp Distance from Rig: 2000 ft.

OPERATOR: WESTERN DECALTA

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Bunnage

Rig No. 2 — DWKS Deluxe 2-41

Drill Pipe String: No. 2 — Size 4½

Tool Joint: Type Thd. E H — 6" O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	mm600	16
2.	NAT.	C150B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	JAP	36#	20		14.40	629	K.B. cemented w/ 300 SKS. CONST.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			2½
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	8	8	5½
Fishing			
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines	8
Size	1 1/8
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	7
Cumulative Rotating Hrs.	72 3/4

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
16	Stands D.P.	1495.08 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49 Ft.
1	Sub Box/Pin O.D.	5-38 Ft.
1	Sub Box/Pin O.D.	4.00 Ft.
1	Rmr. Body/Pin O.D.	4.00 Ft.
1	Subs/Pin O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	31.67 Ft.
	Total	1910.00 Ft.

Wt. of String: 63,000 Lbs.
Pipe in Hole: 48 Jts.
Pipe on Racks: 105 Jts.
Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	REED
Type	SS16-J
Nozzle No.	OPEN
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	238
Total Hr. Run	18½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	4800 #		
SAWDUST	45 SKS		
CAUSTIC	50 #		

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1910													

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00								
	12:30	½					X	PUMP DOWN 1ST MUD GEL PLUG
12:30	5:00	4½						NO RETURNS. 370 BBLS MIXING GEL & SAWDUST PLUG
5:00	5:30	½						PUMP DOWN 2ND. GEL SAWDUST PLUG NO RETURNS. NOTE DID SEE FLUID IN ANULUS. APPROX. 50 FT. FROM K.B. BEFORE FINISHED PUMPING 2ND. PLUG.
5:30	8:00	2½						MIXING GEL & SAWDUST PLUG.
							X	BATCH NO 1. 370 BBL HEAVY MUD. FUEL 3 FT.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
16	Stands D.P.	1495.08 Ft.
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49 Ft.
1	Sub Box/Pin O.D.	5.38 Ft.
1	Sub Box/Pin O.D.	4.00 Ft.
1	Rmr. Body/Pin O.D.	4.00 Ft.
1	Subs/Pin O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	31.67 Ft.
	Total	1910.00 Ft.

Wt. of String: 63,000 Lbs.
Pipe in Hole: 48 Jts.
Pipe on Racks: 105 Jts.
Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	SS1G-J
Nozzle No.	open
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	238
Total Hr. Run	18½
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
7900 lbs Gel			
100 sac. sawdust			
39 Kwik Seal			
150 lbs caustic			

Driller: Dave Chalters

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1910													

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:00	2						Mixing Gel + Sawdust + 2 sacks Kwikseal
10:00	11:30	1½						Pump down plug. Some returns just before suction ran out.
11:30	3:00	3½						Mixing Gel + Sawdust + Kwik seal
3:00	4:00	1						Pump down plug #4
							X	BATCH #3 MIXED HEAVY BATCH OF GEL, SAWDUST, & KWIK SEAL PUMPED 370 BBL DOWN THROUGH ANNULAR NO RETURNS.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 24 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
16	Stands D.P.	1495.08
	Singles D.P.	Ft.
2	D.C. 2¼ I.D. 6 O.D.	61.23 Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49 Ft.
1	Sub Box/Pin O.D.	5.38 Ft.
1	Sub Box/Pin O.D.	4.00 Ft.
1	Rmr. Body/Pin O.D.	4.00 Ft.
1	Subs/Pin O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	41.67 Ft.
	Total	1920.00 Ft.

Wt. of String: 63,000 Lbs.
Pipe in Hole: 48 Jts.
Pipe on Racks: 105 Jts.
Total Pipe on Lease: 153 Jts.

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	SS1G-J
Nozzle No.	open
Nozzle Size	
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	248
Total Hr. Run	21
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	6:00
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL			4800#
SAWDUST		10 SKS.	
CAUSTIC		100 #	

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1910	1920	10	D			70	7	200	5½	60			5

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:00	1						Pump down plug #4 (partial returns)
5:00	7:30	2½						Drilling 8¾ hole (last circulation)
7:30	8:30	1						PULL UP TO DRILL COLLARS. SLOW.
8:30	12:00	3½					X	MIXING GEL BATCH NO. 5#.
								BATCH #4 MIXED GEL, SAWDUST & KWIKSEAL PUMPED 100 BBLS GEL 80% RETURNS.

No. 4497

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease: DECALTA CS MESA
Well Name: REDSTONE P-78
Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date: JAN 13 1973

Weather Condition: 20 Below
Road Conditions: FAIR
Nearest Town: FORT WILLIAM
Water - Source: LAKE
Miles Hauled: 2 1/2
Pumped: ____
Camp Distance from Rig: 200 yds
Reason for Extra L. Plant: Lights

OPERATOR: WESTERN DECALTA 7-11

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Richie Swingle

Rig No. 2 (Owned)
Drill Pipe String: No. 2, Size 4 1/2
Tool Joint: Type Thd. F.H., 6" O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM 600	16
2.	NAT.	C-150B	12
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	9 5/8	JAP	36#	20		14.40	629 K.B.	CEMENTED
TUBING OR LINER								w/ 300 SKS. CONST.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7 1/2	7	3 1/4
Reaming			
Conditioning Mud & Circulating			
Trips			1 3/4
Lubricate Rig	1/4	1/4	
Deviation Survey	1/4	3/4	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other Lost CIR.			3
Fishing			
A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional	8	8	8
Totals			

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.
No. of Lines: 8 Size: 1 1/8
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud: 10
Cumulative Rotating Hrs.: 70 1/4

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
14	Stands D.P.	Ft.
2	Singles D.P.	1370.41 Ft.
2	D.C. 2 1/4 I.D. 6" O.D.	61.23 Ft.
10	D.C. 2 1/4 I.D. 6 1/2 O.D.	307.49 Ft.
1	Sub Bottom	5.38 Ft.
1	Stb. Body O.D.	4.00 Ft.
1	Rmr. Body O.D.	4.00 Ft.
1	Sub O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	41.34 Ft.
	Total	1795.00 Ft.
Wt. of String	62,000 Lbs.	
Pipe in Hole	44 Jts.	
Pipe on Racks	109 Jts.	
Total Pipe on Lease	153 Jts.	

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	REED
Type	S5J6
Nozzle No.	1 2
Nozzle Size	13 12
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	123
Total Hr. Run	8 1/4
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	1:00	4:00	7:00
Weight	8.9	8.9	8.9
Visc.-Sec.	33	33	32
W.L.-C.C.			
FL TR. CK.			
PH	9.5	10.5	10.5
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	2000 #		

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1688	1795	107	D			60	9	1100	5 1/2	66			(5)

Deviation Record: Depth 1733, Dev. 3 3/4°

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:00	1						DRILLING
1:00	1:15	1/4						RIG SERVICE & CHECK BOPS.
1:15	3:15	2						DRILLING.
3:15	3:30	1/4						SURVEY AT 1733
3:30	8:00	4 1/2						DRILLING.

FUEL 4 ft. 1 inch.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
15	Stands D.P.	Ft.
2	Singles D.P.	1463.88 Ft.
2	D.C. 2 1/4 I.D. 7" O.D.	61.23 Ft.
10	D.C. 2 1/4 I.D. 6 1/2 O.D.	307.49 Ft.
1	Sub Bottom	5.38 Ft.
1	Stb. Body O.D.	4.00 Ft.
1	Rmr. Body O.D.	4.00 Ft.
1	Subs O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	31.87 Ft.
	Total	1877.00 Ft.
Wt. of String	63,000 Lbs.	
Pipe in Hole	47 Jts.	
Pipe on Racks	106 Jts.	
Total Pipe on Lease	153 Jts.	

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	S51G
Nozzle No.	1 2
Nozzle Size	13 12
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	205
Total Hr. Run	15 1/4
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	9:00	12:00	4:00
Weight	8.9	8.9	8.8
Visc.-Sec.	32	32	30
W.L.-C.C.			
FL TR. CK.			
PH	10.5	10.5	10.5
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
2000 # Gel			
50 # caustic			

Driller: Wm. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1795	1877	82	D			65	7	1300	5 1/2	72			5

Deviation Record: Depth 1795, Dev. 4°; Depth 1857, Dev. 4°

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
9:00	8:15	1/4						Rig Service & check B.O.P.
8:15	8:45	1/2						Survey at 1795
8:45	2:00	5 1/2						Drilling 8 3/4" hole
2:00	2:15	1/4						Survey at 1857
2:15	4:00	1 3/4						Drilling

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 24 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
16	Stands D.P.	1495.08
	Singles D.P.	Ft.
2	D.C. 2 1/4 I.D. 6" O.D.	61.23 Ft.
10	D.C. 2 1/4 I.D. 6 1/2 O.D.	307.49 Ft.
1	Sub Bottom	5.38 Ft.
1	Stb. Body O.D.	4.00 Ft.
1	Rmr. Body O.D.	4.00 Ft.
1	Subs O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	31.67 Ft.
	Total	1910.00
Wt. of String	65,000 Lbs.	
Pipe in Hole	48 Jts.	
Pipe on Racks	105 Jts.	
Total Pipe on Lease	153 Jts.	

BIT RECORD

Bit No.	2
Size	8 3/4
Mfg.	Reed
Type	S51G
Nozzle No.	1 2
Nozzle Size	12 12
Ser. No.	394854
Depth Out	
Depth In	1672
Total Ftg.	238
Total Hr. Run	18 1/2
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	6:00		
Weight	8.9		
Visc.-Sec.	37		
W.L.-C.C.			
FL TR. CK.			
PH	10.5		
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL		4400 #	
CAUSTIC		100 #	

Driller: Wm. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1877	1910	33	(1)			65	20	1200	5 1/2	66			5

Deviation Record: Depth ____, Dev. ____

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:15	3 1/4						Drilling 8 3/4" hole (LOST CIRC)
7:15	9:00	1 3/4						PULL OUT OF HOLE TO TAKE
9:00	12:00	3						OUT JETS OUT OF BIT RUN IN D.C. MIXING A GEL PLUG (200 VIS)

NOTE LOST CIRC 7:15 PM JAN 13-73 NO RETURNS-

LOST CIRC AT 1910 NO RETURNS

No. 4496

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESSA REDSTONE P-78 Location — Lsd. — Sec. — Twp. — Rge. — W. — M.

Date: JAN 12 1923

Weather Condition: 20 Below Road Conditions: FAIR Nearest Town: NORM WELLS Water - Source: LAKE Miles Hauled: 2½ Pumped — Camp Distance from Rig: 200 yds Reason for Extra "L" Plant: Spare

OPERATOR: WESTERN DECALTA

Rig No. 2 DWKS

Drill Pipe String: No. — Size 4½

Tool Joint: Type Thd. E.H. O.D. 6

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	mm600	16
2.	NIAT	C 1.50B	12
3.			

LAST CASING / TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	SAP	36#	20		14.40	629	K.B.
							CEMENTED w/ 300 CONST.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7½	7½	5
Reaming			
Conditioning Mud & Circulating			
Trips			2¼
Lubricate Rig		¼	¼
Deviation Survey	½	¼	½
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines 8 Size 1 1/8

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud 5

Cumulative Rotating Hrs. 52 1/4

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
12	Stands D.P.	1122.03	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Stb. Body Sub.	5.38	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Bumper Body Sub O.D.	4.60	Ft.
1	Sub O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	9.72	Ft.
	Total	1515.00	Ft.
Wt. of String		58,000	Lbs.
Pipe in Hole		36	Jts.
Pipe on Racks		117	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	1
Size	8 3/4
Mfg.	REED
Type	STIAG-J
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	886
Total Hr. Run	39 3/4
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	1:00	4:00	7:00
Weight	8.6	8.6	8.6
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: [illegible]

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
1402	1515	113	D			64	7	1200	5½	65			(S)

Deviation Record: Depth 1453 Dev. 3° Direction — Depth 1515 Dev. 3¼° Direction — Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	3:00	3						DRILLING 8 3/4" HOLE
3:00	3:15	¼						SURVEY & RIG SERVICE
3:15	7:45	4½						DRILLING
7:45	8:00	¼						SURVEY

FUEL 14 inches

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
12	Stands D.P.	1122.03	Ft.
2	Singles D.P.	62.54	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Stb. Body Sub.	5.38	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Bumper Body Sub O.D.	4.00	Ft.
1	Sub O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	41.18	Ft.
	Total	1609.00	Ft.
Wt. of String		59,000	Lbs.
Pipe in Hole		38	Jts.
Pipe on Racks		115	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	1
Size	8 3/4
Mfg.	Reed
Type	STIAG-J
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	970
Total Hr. Run	47 3/4
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	5:00	12:00	4:00
Weight	8.6	8.7	8.8
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: David Chatters

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
1515	1609	94	D			68	7	1400	5⅔	74			(S)

Deviation Record: Depth 1578 Dev. 3¼° Direction — Depth — Dev. — Direction — Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						Rig Service Check Baps
8:15	2:00	5 3/4						Drilling 8 3/4" hole
2:00	2:15	¼						Survey at 1578 ft
2:15	4:00	1 3/4						Drilling

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT — CONSERVATION ENGINEER — JAN 24 1973 — YELLOWKNIFE, N.W.T. — NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
13	Stands D.P.		Ft.
2	Singles D.P.	1277.25	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Stb. Body Sub O.D.	5.38	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Bumper Body Sub O.D.	4.00	Ft.
1	Sub O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	22.00	Ft.
	Total	1688.00	Ft.
Wt. of String		62,000	Lbs.
Pipe in Hole		41	Jts.
Pipe on Racks		112	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	1	2
Size	8 3/4	8 3/4
Mfg.	REED	REED
Type	STIAG	S51CJ
Nozzle No.	3	X 2
Nozzle Size	12	13 12
Ser. No.	391644	394859
Depth Out	1672	
Depth In	629	1672
Total Ftg.	1043	16
Total Hr. Run	51½	¾
Cond. of Bit	5-1-1	IN
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker

Trucker

Trucker

MUD RECORD

Time	6:00	8:00	11:30
Weight	8.8	8.8	8.8
Visc.-Sec.	28	30	30
W.L.-C.C.			
FL TR. CK.			
PH			9.5
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	4500#		
CAUSTIC	100#		

Driller: E. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
1609	1688	79	D			64	7	1100	5½	66			(S)

Deviation Record: Depth 1641 Dev. 3¼° Direction — Depth 1672 Dev. 3½° Direction — Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:30	2½						Drilling 8 3/4" hole
6:30	6:45	¼						Survey at 1641 ft
6:45	8:30	1¾						Drilling
8:30	8:45	¼						DROP SURVEY AT 1672
8:45	9:00	¼						RIG SERVICE
9:00	11:15	2¼						TRIP FOR BIT
11:15	12:00	¾						DRILLING 8 3/4" HOLE

No. 4495

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA C.S. MESSA REDSTONE P 78
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: JAN. 11 1973

Weather Condition: O | Road Conditions: FAIR | Nearest Town: NORMAN WELLS | Water — Source: LAKE | Miles Hauled: 2½ | Pumped: ___ | Camp Distance from Rig: 2000 yds. | Reason for Extra L. Plant: SPARE

OPERATOR: WESTERN DECALTA | Rig No. 2 | DWKS 2 Zero 2-14

SIGNATURE OF OPERATOR'S REPRESENTATIVE: ___

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Luke Lunergy.

Drill Pipe String: No. 2 | Size 4½

Tool Joint: 6" O.D. | Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	MM600	16
2.	NAT.	C150B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9⅝	SAP	36#	20		14.40	629 K.B.	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7½	6¼	7¼
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig	¼	¼	
Deviation Survey	¼	½	¾
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig		½	
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			

COMPLETION WORK

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

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.
No. of Lines 8 Size 1 1/8
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud 4
Cumulative Rotating Hrs. 32¼

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
9	Stands D.P.		Ft.
2	Singles D.P.	717.10	Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23	Ft.
10	D.C. 2¼ 6½ I.D. O.D.	307.49	Ft.
1	Sub Bottom	5.38	Ft.
1	Sub Bowen O.D.	4.00	Ft.
1	Bumper Sub	4.00	Ft.
1	Subs O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	37.65	Ft.
	Total	1138.0	Ft.

Wt. of String 60,000 Lbs.
Pipe in Hole 23 Jts.
Pipe on Racks 130 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	1
Size	8 3/4
Mfg.	REED
Type	STIAG-J
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	509
Total Hr. Run	18 1/4
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	1:00	4:00	7:00
Weight	8.6	8.7	8.7
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
WATER		1" STREAM	

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1013	1138	125	D			70	6	1400	5½	72	5		(S)

Deviation Record: Depth 1075 | Dev. 2½° | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						RIG SERVICE
12:15	3:45	3½						DRILLING 8¾" HOLE
3:45	4:00	¼						SURVEY AT 1075
4:00	8:00	4						DRILLING

NOTE = DRILLING W/ PENDALUM SYSTEM; ONE FLY CHANGE STABILIZER 60' ABOVE BIT W/ ON BIT 6-9000'

FUEL 2½ ft.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
9	Stands D.P.	842.01	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23	Ft.
10	D.C. 2¼ 6½ I.D. O.D.	307.49	Ft.
1	Sub Bottom	5.38	Ft.
1	Sub Bowen O.D.	4.00	Ft.
1	Bumper Sub	4.00	Ft.
1	Subs O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	37.74	Ft.
	Total	1263.06	Ft.

Wt. of String 62000 Lbs.
Pipe in Hole 27 Jts.
Pipe on Racks 126 Jts.
Total Pipe on Lease 153 Jts.

PIT RECORD

Bit No.	1
Size	8 3/4
Mfg.	Reed
Type	STIAG-J
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	634
Total Hr. Run	25
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	9:00	12:00	4:00
Weight	8.9	8.9	8.9
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Water			

Driller: David Chatten

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1138	1263	125	D			70	6	1400	5½	70	5		(S)

Deviation Record: Depth 1138 | Dev. 2¾° | Direction | Depth 1200 | Dev. 2¾° | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						Rig Service & CHECK BOPS.
8:15	8:30	¼						Survey at 1138 ft
8:30	11:30	3						Drilling 8¾" hole
11:30	12:00	½						Working on Compound oilers
12:00	12:30	½						Drilling on 8¾" hole
12:30	12:45	¼						Survey at 1200 ft.
12:45	4:00	3¼						Drilling 8¾ hole

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JAN 24 1973
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
10	Stands D.P.		Ft.
2	Singles D.P.	992.58	Ft.
2	D.C. 2¼ 7 I.D. O.D.	61.23	Ft.
10	D.C. 2¼ 6½ I.D. O.D.	307.49	Ft.
1	Sub Bottom	5.38	Ft.
1	Sub Bowen O.D.	4.00	Ft.
1	Bumper Sub	4.00	Ft.
1	Subs O.D.	1.15	Ft.
	Bit or C.B.		Ft.
	Kelly Down	21.23	Ft.
	Total	1402.00	Ft.

Wt. of String 70,000 Lbs.
Pipe in Hole 32 Jts.
Pipe on Racks 121 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	1
Size	8 3/4
Mfg.	REED
Type	STIAG-J
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	773
Total Hr. Run	32¼
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	5:00	8:00	11:00
Weight	8.8	8.8	8.7
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. Cutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1263	1402	139	D			70	6	1400	5½	22	5		(S)

Deviation Record: Depth 1263 | Dev. 3° | Direction | Depth 1325 | Dev. 2¾° | Direction | Depth 1391 | Dev. 2¾° | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼						Survey at 1263 & RIG SERVICE
4:15	7:00	2¾						Drilling 8¾" hole
7:00	7:15	¼						Survey at 1325
7:15	11:15	4						Drilling 8¾" hole
11:15	11:30	¼						SURVEY AT 1391
11:30	12:00	½						DRILLING

No. 4494

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: DECALTA CS MESSP — REDSTONE P-7E
Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.
Date: JAN 10 1973
Weather Condition: O
Road Conditions: GOOD
Nearest Town: HORN WELLS
Water - Source: LAKE — Miles Hauled: 2½ — Pumped: ___
Camp Distance from Rig: 200 yds
Reason for Extra L. Plant: SPARE

OPERATOR: WESTERN DECALTA 3-Way
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lumsden

Rig No. 2 — RWKS
Drill Pipe String: No. ___ Size 4½
Tool Joint 6" O.D. — Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	mm600	16
2.	NAT.	C 150B	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No. Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	JAP	36#	20		1440	KB 629	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		4½	6½
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey		¼	½
Test B.O.P.			
Cut Off Drilling Line			•
Repair Rig			1
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other		3½	
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.	
No. of Lines / Size	
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	3
Cumulative Rotating Hrs.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
2	Stands D.P.	187.37	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	309.49	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
1	Rmr. Body O.D.	4.00	Ft.
1	Subs O.D.	1.15	Ft.
1	Bit or C.B.	4.00	Ft.
	Kelly Down		Ft.
	Total		Ft.

Wt. of String 48,000 Lbs.
Pipe in Hole 6 Jts.
Pipe on Racks 147 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	1
Size	8 3/4
Mfg.	REED
Type	STIAG
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	WATER
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: [illegible]

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C

Deviation Record: Depth ___ Dev. ___ Direction ___ | Depth ___ Dev. ___ Direction ___ | Depth ___ Dev. ___ Direction ___

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	3:00	3.						HEAD UP BOPS.
3:00	4:00							PRESS TEST BLIND RAMS AT 1000 PSI
								FLARE LINE MANIFOLD & DRAIN SAME
								RUN IN W BIT & PICKUP STAB -
								DISPLACE MUD IN CASING.
								WORK ON ACCUMULATOR
4:00	5:30	1½						
5:30	6:00	½						
6:00	8:00	2						
								NOTE = INSTALLED NEW BLIND RAM.
								R. BAERS 5" PIPE RAM RUBBERS
								HYDRIL RUBBER IS STILL LIKE NEW
								FUEL 1 4/2 ltr.

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
5	Stands D.P.	467.77	Ft.
	Singles D.P.		Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
	Stb. Body O.D.		Ft.
1	Stb. Body O.D.	5.38	Ft.
1	Rmr. Body O.D.	4.00	Ft.
1	Subs O.D.	1.15	Ft.
1	Bit or C.B.	4.00	Ft.
	Kelly Down	38.99	Ft.
	Total	890.00	Ft.

Wt. of String 56,000 Lbs.
Pipe in Hole 15 Jts.
Pipe on Racks 138 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	1
Size	8¾
Mfg.	Reed
Type	STIAG
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	271
Total Hr. Run	4¼
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	Water
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: [illegible]

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
629	890	271	D.			70	10-15	1400	5½	72	5"		(S)

Deviation Record: Depth 799 Dev. 1¾ Direction ___ | Depth 5 Dev. ___ Direction ___ | Depth ___ Dev. ___ Direction ___

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:00	2.						WORK ON NEW VALVES ON ACCUMULATOR
								MANIFOLD (THESE VALVES WERE INSTALLED
								WRONG AT FACTORY
10:00	10:15	¼						PRESSURE UP ON HYDRIL TO 1400 PSI
10:15	10:30	¼						PRESSURE UP ON PIPE RAMS TO 1200 PSI
10:30	10:45	¼						PRESSURE UP ON KELLY COCK TO 1000 PSI
10:45	11:00	¼						CHECK MOTOR KILLS (ALL OK)
11:00	11:30	½						DRILL OUT PLUG & SHOE
11:30	2:30	3.						Drilling 8¾" hole
2:30	2:45	¼						Survey
2:45	4:00	1¼						Drilling 8¾ hole

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.			
6	Stands D.P.		Ft.
2	Singles D.P.	623.46	Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23	Ft.
10	D.C. 2¼ I.D. 6½ O.D.	307.49	Ft.
1	Stb. Body O.D.	5.38	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Rmr. Body O.D.	1.15	Ft.
1	Stb. Bit sub	4.00	Ft.
	Bit or C.B.		Ft.
	Kelly Down	6.29	Ft.
	Total	1013.00	Ft.

Wt. of String 56,000 Lbs.
Pipe in Hole 20 Jts.
Pipe on Racks 133 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	1
Size	8¾
Mfg.	Reed
Type	STIAG
Nozzle No.	3
Nozzle Size	12
Ser. No.	391644
Depth Out	
Depth In	629
Total Ftg.	384
Total Hr. Run	10¾
Cond. of Bit	IN
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	
Weight	
Visc.-Sec.	Water
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: K. Rutherford

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
870	1013	123	D			70	6	1400	5½	72	5"		(S)

Deviation Record: Depth 984 Dev. 2¾ Direction ___ | Depth 951 Dev. 2¾ Direction ___ | Depth 1013 Dev. 2¾° Direction ___

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼						Survey
4:15	8:30	3¾						Drilling 8¾" hole
8:00	9:00	1						WORK ON SANDLINE & SURVEY.
9:00	11:45	2¾						DRILLING 8¾" HOLE
11:45	12:00	¼						SURVEY

No. 4493

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: DECALTA CS MESSA — Date

Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.: REDSTONE P 78 — JAN 9 1973

Weather Condition: 4 Below. — Road Conditions: Good — Nearest Town: NORMWELL — Water - Source: LAKE — Miles Hauled: 1/2 — Pumped: ____ — Camp Distance from Rig: 200 yds. — Reason for Extra L. Plant: Spare

OPERATOR: WESTERN DECALTA

Rig No. 2 — Drill Pipe String: No. 2 Size 4½ — Tool Joint: 6" O.D. — Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lavergne

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	IDECO	mm600	16
2.	NAT.	C-1503	12
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
9 5/8	TAPP	36#	20				

MORNING TOUR

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	Stands D.P.	Ft.
	Singles D.P.	Ft.
	D.C. I.D. O.D.	Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	Ft.
	Total	Ft.
Wt. of String		Lbs.
Pipe in Hole		Jts.
Pipe on Racks		Jts.
Total Pipe on Lease		Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. McArthur

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	200	2						W.O.C
200	400	2						CUT OFF CONDUCTOR PIPE
400	700	3						CLEAN OUT CELLAR & DIG DEEPER
700	800	1						CEMENT CASING FROM SURFACE, CEMENT DROPPED APPROX 10'
								✕ RAN 20 JTS 9⅝ TAPP 36# KS CASING 632.60 SET @ 629' KB CEMENTED W/ 300 SX'S TYPE 'A' CONSTRUCTION 2% CAL PLUG IN PLACE @ 5:30 PM JAN 8/73 GOOD RETURNS BLED 0'

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	Stands D.P.	Ft.
	Singles D.P.	Ft.
	D.C. I.D. O.D.	Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	Ft.
	Total	Ft.
Wt. of String		Lbs.
Pipe in Hole		Jts.
Pipe on Racks		Jts.
Total Pipe on Lease		Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Harold Watson

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1000	2						W.O.C & CLEAN MUD TANKS
1000	100	3						CUT OFF CASING & WELD ON BOWL
100	4:00	3						Heading up CHANGE BLIND RAM RUBBERS, PIPE RAM RUBBERS
								CHANGE 3 VALVES ON ACCUMULATOR CONTROLS.

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
	Stands D.P.	Ft.
	Singles D.P.	Ft.
	D.C. I.D. O.D.	Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
	Bit or C.B.	Ft.
	Kelly Down	Ft.
	Total	Ft.
Wt. of String		Lbs.
Pipe in Hole		Jts.
Pipe on Racks		Jts.
Total Pipe on Lease		Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.

Trucker ____ Trucker ____ Trucker ____

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	12:00	8						HEAD UP BOPS & FLARELINE

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

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

No. 4492

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease Well Name: Decalta CS Mesa Red Tank P78 | Date: Jan 8 1973

Location — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Weather Condition: Mild | Road Conditions: Good | Nearest Town: Worman Wells | Water - Source: Lake, Miles Hauled: 2½, Pumped | Camp Distance from Rig: 200 yards, Reason for Extra L. Plant: Spare

OPERATOR: Western Decalta

Rig No. 2 DWKS Ideco 34 | Drill Pipe String: No. 6, Size 4½ | Tool Joint 6 O.D. | Type Thd. FH

SIGNATURE OF OPERATOR'S REPRESENTATIVE: B H [illegible]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Lewenyo

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Ideco	mm 600	16
2.	National	C150B	12
3.			

LAST CASING / TUBING OR LINER

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7¼	1	
Reaming			
Conditioning Mud & Circulating		1	1½
Trips	1¼	2	
Lubricate Rig		¼	
Deviation Survey	½	¾	
Test B.C.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing		2½	
Waiting on Cement			6½
Drill Stem Test			
Other		½	
Fishing			
A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	4	8	12

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

Reel No.

No. of Lines — Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
1	Stands D.P.	94.15 Ft.
2	Singles D.P.	62.40 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
10	D.C. 2¼ I.D. 6½ O.D.	311.49 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
1	Rmr. Body O.D.	2.50 Ft.
1	Subs ⅞ O.D.	1.15 Ft.
	Bit or C.B.	Ft.
	Kelly Down	17.08 Ft.
	Total	550 Ft.

Wt. of String 45,000 Lbs.
Pipe in Hole 5 Jts.
Pipe on Racks 148 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	52
Size	12¼
Mfg.	Sec
Type	53T-J
Nozzle No.	CON.
Nozzle Size	
Ser. No.	910982
Depth Out	
Depth In	[illegible]58
Total Ftg.	492
Total Hr. Run	7¼
Cond. of Bit	1N
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	1:00	4:00	7:00
Weight	9.6	9.8	9.8
Visc.-Sec.	45	45	45
W.L.-C.C.			
FL TR. CK.			
PH	10.5	10.5	10.5
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
264	550	286				140	10	300	5½	80			(S)

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	327'	¼		480	⅛°				

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						FINISH IN W/ BIT
12:15	1:00	1 ¾						DRLG
1:00	1:15	¼						SURVEY
1:15	5:45	3						DRLG
5:45	5:30	¼						~~DRLG~~ SURVEY
5:30	8:00	2½						DRLG

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
2	Stands D.P.	187.37 Ft.
1	Singles D.P.	31.36 Ft.
2	D.C. 2¼ I.D. 7 O.D.	61.23 Ft.
10	D.C. 2¼ I.D. 6½ O.D.	311.49 Ft.
	Stb. Body O.D.	Ft.
	Stb. Body O.D.	Ft.
1	Rmr. Body O.D.	Ft.
1	Subs Bell O.D.	2.50 Ft.
	Bit or C.B.	1.15 Ft.
	Kelly Down	33.90 Ft.
	Total	629.00 Ft.

Wt. of String 46,000 Lbs.
Pipe in Hole 7 Jts.
Pipe on Racks 146 Jts.
Total Pipe on Lease 153 Jts.

BIT RECORD

Bit No.	52
Size	12¼
Mfg.	Sec.
Type	53T-J
Nozzle No.	CON.
Nozzle Size	
Ser. No.	910982
Depth Out	629
Depth In	58
Total Ftg.	571
Total Hr. Run	8½
Cond. of Bit	4-2-1
Reamer No.	
Reamer Type	

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	8:00	12:00
Weight	9.8	10.0
Visc.-Sec.	45	60
W.L.-C.C.		
FL TR. CK.		
PH	10.5	10.5
SD. Cont. %		
Pressure Gradient		

Mud & Chemicals Added

Type	Amt.	Type	Amt.
1800#	Gel		
50#	Caustic		

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
550	629	79				140	10	300	5½	80			(S)

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	629	½°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						RIG SERVICE
8:15	9:00	¾						~~DRLG~~. SURVEY
9:00	10:00	1						DRLG.
10:00	11:00	1						DUMMY TRIP
11:00	12:00	1						~~HOIST~~ CIRC.
12:00	1:00	1						HOIST OUT FOR CASING
1:00	1:30	½						RIG UP TO RUN CASING
1:30	4:00	2½						RUN 9⅝ CASING

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½						CIRC
4:30	5:30	1						CEMENT & BUMP PLUG.
5:30	12:00	6½						W.O.C.

NOTE = TRIP W/ CONTACT AIR FROM NORMAN WELLS TO DAKARINA BACK TO PICK UP BRIDGE TO SHOWE PICK FOWLER WENT OUT ON SAME FLIGHT

KODAK SAFETY ▲ FILM + ▲

No. 4490

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease / Well Name: DECALTA CS MESA
Location — Lsd. REP Sec. 5 Twp. STONE Rge. P-78 W. M.
Date: JAN. 7 1973

Weather Condition: 5+ Road Condition: NIL Nearest Town: NORM WELLS Water - Source: LAKE Miles Hauled: — Pump: — Camp Distance from Rig: 2000 ft. Reason for Extra L. Plant:

OPERATOR: WESTERN DECALTA.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: BHB Lead Lowery.

Rig No. 2 DWKS Edeco 7-11 | Drill Pipe String: No. / Size 4½ | Tool Joint: Type Thd. F.H. O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	EDECO	MM600	16
2.	NAT	150	12
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING								
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	3¼	3¼	
Reaming			4½
Conditioning Mud & Circulating		4	½
Trips			2½
Lubricate Rig		¼	¼
Deviation Survey	¼	½	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			½
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	4		
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

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

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
2	D.C. I.D. 7 O.D.	61.23	Ft.
2	D.C. I.D. 6½ O.D.	61.76	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Rmr. Body O.D.	1.15	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	40.00	Ft.
	Total	172.09	Ft.
Wt. of String		32,000	Lbs.
Pipe in Hole			Jts.
Pipe on Racks			Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	51	
Size	9	
Mfg.	REED	
Type	YT1	
Nozzle No.	CON	
Nozzle Size		
Ser. No.	091650	
Depth Out		
Depth In	58	
Total Ftg.	114	
Total Hr. Run	3¾	
Cond. of Bit	4N	
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	5.00
Weight	8.5
Visc.-Sec.	35
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL		3000	#
CAUSTIC		150	#

Driller: L. McCutcheon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
58	172	114	D			150	5	200	5½	60			S

Deviation Record: Depth 110 — Dev. ¾° — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00								RIG UP FLOW LINE, PUMPS, MIX GEL, SURVEY SOCK CLEAN UP RIG.
	4:00	4						
4:00	7:00	3						SPUD IN W/ 9" REED BIT.
7:00	8:15	1¼						SURVEY
8:15	9:00	¾						DRILLING.

FUEL 4' 1/2 ft.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
2	D.C. I.D. 7 O.D.	61.23	Ft.
6	D.C. I.D. 6½ O.D.	183.18	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Stb. Body O.D.	4.00	Ft.
1	Rmr. Body O.D.	1.15	Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	41.80	Ft.
	Total	264.31	Ft.
Wt. of String		35,000	Lbs.
Pipe in Hole			Jts.
Pipe on Racks			Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	51	
Size	9	
Mfg.	Reed	
Type	YT1	
Nozzle No.	CON	
Nozzle Size		
Ser. No.	091650	
Depth Out	264	
Depth In	58	
Total Ftg.	206	
Total Hr. Run	7	
Cond. of Bit	1N	
Reamer No.		
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	10.00
Weight	8.5
Visc.-Sec.	35
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.
76K	150	Gel	
150	165	caustic	

Driller:

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
172	264	92	D			150	5	200	5½	60			S

Deviation Record: Depth 202 — Dev. 1° — Direction; Depth 233 — Dev. 1° — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	½						Drilling
8:30	8:45	¼						Rig Service
8:45	9:00	¼						Survey
9:00	10:00	1						Drilling
10:00	10:15	¼						Survey
10:15	11:00	¾						Drilling
11:00	1:30	2½						Mixing mud to build volume
1:30	2:30	1						Drilling
2:30	4:00	1½						Mixing mud to build volume. Lost circulation at 264 ft.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
1	Singles D.P.	31.23	Ft.
2	D.C. I.D. 7 O.D.	61.23	Ft.
4	D.C. I.D. 6½ O.D.	122.49	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
1	Rmr. Body O.D.	1.15	Ft.
1	Sub O.D.	2.50	Ft.
	Bit or C.B.		Ft.
	Kelly Down	40.40	Ft.
	Total	264.00	Ft.
Wt. of String		35,000	Lbs.
Pipe in Hole		1	Jts.
Pipe on Racks		152	Jts.
Total Pipe on Lease		153	Jts.

BIT RECORD

Bit No.	51	52
Size	9	12¼
Mfg.	Reed	Sec.
Type	YT1	[redacted]
Nozzle No.	con	n
Nozzle Size		
Ser. No.	091650	910982
Depth Out	264	
Depth In	58	58 REAMED
Total Ftg.	206	206
Total Hr. Run	7	4 1/4
Cond. of Bit	1-1-1	2-2-1
Reamer No.		REAMED
Reamer Type		

Water Charges — Reg. Hrs. — O.T. Hrs.
Trucker
Trucker
Trucker

MUD RECORD

Time	8:00
Weight	8.5
Visc.-Sec.	35
W.L.-C.C.	[redacted]
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	Lo Hi

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	800	#	

Driller: R. Rutherford

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
58	264	206	R			140	5	200	5½	80			S

Deviation Record: Depth — Dev. — Direction; Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½						Mixing mud for lost circulation
4:30	5:00	½						Trip out to pick up 12¼" reamer
5:00	5:30	½						work on swivel on blocks
5:30	6:30	1						Trip in 12¼" bit
6:30	8:00	1½						Reaming to 12¼" hole
9:00	8:15	¼						RIG SERVICE
8:15	11:00	2¾						REAMING 12¼" HOLE
11:00	12:00	1						TRIP TO CHANGE COLLARS IN HOLE PUT 7" ON BOTTOM OF STRING.

NOTE - TRIP FROM NORMAN WELLS TO DARADA W/ MIKE BEC (NORM BAYNE) PLANE W/ 12¼ BIT FROM CANOL.

No. 4489

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Form 6

Lease: DECALTA CS MESA
Well Name: RED STONE P-78
Location — Lsd. ____ Sec. ____ Twp. ____ Rge. ____ W. ____ M.

Date: JAN 6 1973

Weather Condition | Road Conditions | Nearest Town

Water - Source: LAKE. Miles Hauled: 22 Pumped | Camp Distance from Rig: 3 on 9 | Reason for Extra L. Plant: 5

OPERATOR: WESTERN DECALTA.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Leslie Livingston

Rig No.	Drill Pipe String No.	Drill Pipe String Size	Tool Joint Type Thd.	Tool Joint O.D.
DWKS				

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING / TUBING / OR LINER

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

TIME SUMMARY (Office Use Only)

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

WIRE LINE RECORD

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

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				
	Stands D.P.	Ft.	Bit No.		Time				
	Singles D.P.	Ft.	Size		Weight				
	D.C. I.D. O.D.	Ft.	Mfg.		Visc.-Sec.				
			Type		W.L.-C.C.				
	D.C. I.D. O.D.	Ft.	Nozzle No. / Size		FL TR. CK.				
	Stb. Body O.D.	Ft.	Ser. No.		PH				
	Stb. Body O.D.	Ft.	Depth Out		SD. Cont. %				
	Rmr. Body O.D.	Ft.	Depth In		Pressure Gradient				
	Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added				
	Bit or C.B.	Ft.	Total Hr. Run		Type	Amt.	Type	Amt.	
	Kelly Down	Ft.	Cond. of Bit						
	Total	Ft.	Reamer No.						
Wt. of String		Lbs.	Reamer Type						
Pipe in Hole		Jts.	Water Charges	Reg. Hrs.	O.T. Hrs.				
Pipe on Racks		Jts.	Trucker						
Total Pipe on Lease		Jts.	Trucker						
			Trucker						

Driller: David Chatterton

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				
	Stands D.P.	Ft.	Bit No.		Time				
	Singles D.P.	Ft.	Size		Weight				
	D.C. I.D. O.D.	Ft.	Mfg.		Visc.-Sec.				
			Type		W.L.-C.C.				
	D.C. I.D. O.D.	Ft.	Nozzle No. / Size		FL TR. CK.				
	Stb. Body O.D.	Ft.	Ser. No.		PH				
	Stb. Body O.D.	Ft.	Depth Out		SD. Cont. %				
	Rmr. Body O.D.	Ft.	Depth In		Pressure Gradient				
	Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added				
	Bit or C.B.	Ft.	Total Hr. Run		Type	Amt.	Type	Amt.	
	Kelly Down	Ft.	Cond. of Bit						
	Total	Ft.	Reamer No.						
Wt. of String		Lbs.	Reamer Type						
Pipe in Hole		Jts.	Water Charges	Reg. Hrs.	O.T. Hrs.				
Pipe on Racks		Jts.	Trucker						
Total Pipe on Lease		Jts.	Trucker						
			Trucker						

Driller: David Chatterton

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				
	Stands D.P.	Ft.	Bit No.		Time				
	Singles D.P.	Ft.	Size		Weight				
	D.C. I.D. O.D.	Ft.	Mfg.		Visc.-Sec.				
			Type		W.L.-C.C.				
	D.C. I.D. O.D.	Ft.	Nozzle No. / Size		FL TR. CK.				
	Stb. Body O.D.	Ft.	Ser. No.		PH				
	Stb. Body O.D.	Ft.	Depth Out		SD. Cont. %				
	Rmr. Body O.D.	Ft.	Depth In		Pressure Gradient				
	Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added				
	Bit or C.B.	Ft.	Total Hr. Run		Type	Amt.	Type	Amt.	
	Kelly Down	Ft.	Cond. of Bit						
	Total	Ft.	Reamer No.						
Wt. of String		Lbs.	Reamer Type						
Pipe in Hole		Jts.	Water Charges	Reg. Hrs.	O.T. Hrs.				
Pipe on Racks		Jts.	Trucker						
Total Pipe on Lease		Jts.	Trucker						
			Trucker						

Driller: R. Rutherford

MORNING TOUR

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
0	58'	58'											

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	4.00	4						CEMENT COND PIPE IN
								105 SKS CEMENT
4.00	7.00	3						RIG UP TO DIG RAT HOLE &
								CUT OFFS COND PIPE BELOW
								TABLE.
7.00	8.00	1						DIGGING RAT HOLE.
								SET 58 13 3/8 PIPE KB CEMENTED
								w/ 105 SKS PERMAFROST CEMENT w/
								2% CAL, USING CIRCULATING CEMENTING
								SYSTEM.

DAY TOUR

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	1/4						Rig service
8.15	3.30	7 1/4						Drill Rat hole
3.30	4.00	1/2						Tear out rat hole digger

EVENING TOUR

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.30	1/2						Run Kelly sox in Rat hole
4.30	5.15	3/4						Install false floor
5.15	6.00	3/4						Pick up 7" drill collar
6.00	8.00	2						Rig up to drill mouse hole &
8.00	12.00	4						Drill MOUSE HOLE
								Lease work.