DAVIS OIL COMPANY
410 – 17TH STREET, SUITE 1400
DENVER, COLORADO 80202
TELEPHONE: 303-623-1000

NEW YORK
NEW ORLEANS
HOUSTON
TULSA

March 12, 1981

U.S.G.S.
1745 West & 1700 South
Salt Lake City, Utah 84104

RE: #2 Gold Bar Unit
C SW Sec. 23, T25S, R20E
Grand County, Utah

Gentlemen:

Enclosed please find for your approval, an original and two copies of the Application for Permit to Drill, together with four copies of the Staking Plat covering the drilling of the captioned proposed test. Designation of Operator from Mountain Fuel also enclosed.
By carbon copy of this letter to the Utah State Oil & Gas Commission, we are furnishing them with a copy of our application and staking plat.

Your early attention to the approval of said application will be appreciated.

Very truly yours,

DAVIS OIL COMPANY

Michelle Fisher

Michelle Fisher
Geological Secretary

/mf
Enclosures

cc: Utah State Oil & Gas Commission

**DAVIS OIL COMPANY**
410 – 17TH STREET, SUITE 1400
DENVER, COLORADO 80202
TELEPHONE: 303-623-1000

NEW ORLEANS
HOUSTON
TULSA

April 24, 1981

Department of Natural Resources
Division of Oil & Gas
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Mike Mender

RE: #2 Gold Bar Unit
C SW Sec. 23, T25S, R20E
1332' FWL, 1236' FSL
Grand County, Utah
Spacing Exception

Gentlemen:

With reference to our drilling of the captioned test, please let this letter serve as our request for an exception in order to drill the #2 Gold Bar Unit.

We have asked the following offset owners within one-half mile of said location to write you and let you know that they have no objection to said location:

Skyline Oil Company
2000 University Club Bldg.
Salt Lake City, Utah 84101

All other working interest owners within one-half mile of this location are involved with the drilling of this well.

Yours very truly,

DAVIS OIL COMPANY

Michelle

Michelle Fisher
Executive Secretary

/mf

cc: USGS

RECEIVED
APR 22 1981
DIVISION OF
OIL, GAS & MINING

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-17435

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ——

1a. TYPE OF WORK: DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

7. UNIT AGREEMENT NAME: Gold Bar Unit

b. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] OTHER SINGLE ZONE [XX] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: ——

2. NAME OF OPERATOR: DAVIS OIL COMPANY

9. WELL NO.: #2

3. ADDRESS OF OPERATOR: 410 17th Street, Suite 1400, Denver, CO 80202

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: SESW Sec. 23, T25S, R20E
At proposed prod. zone: 1332' FWL, 1236' FSL

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 23, T25S, R20E

12. COUNTY OR PARISH: Grand

13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 10 miles east of Moab, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1320' south

16. NO. OF ACRES IN LEASE: 2520

17. NO. OF ACRES ASSIGNED TO THIS WELL:

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: NONE

19. PROPOSED DEPTH: 7970' Cane Creek

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4852' GR Est., 4862' KB Est.

22. APPROX. DATE WORK WILL START*: Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| 17 1/2" | 13 3/8" | 54.50# K-55 | STC (NEW) | 0-350' 200 sxs. est. |
| 12 1/4" | 9 5/8" | 36# K-55 | STC (NEW) | 0-3290' |
| 12 1/4" | 9 5/8" | 40# K-55 | STC (NEW) | 3290-4290' 400 sxs. est. |
| 8 3/4" | 5 1/2" | 20# N-80 | LTC (NEW) | 0-7970' 650 sxs. est. |

(SEE TEN POINT PROGRAM)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4-22-81
BY: CB Feight

RECEIVED
MAY 2 [illegible]
DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED: Ed Lafaye — TITLE: Chief Geologist — DATE: 3/12/81
~~Ed Lafaye~~

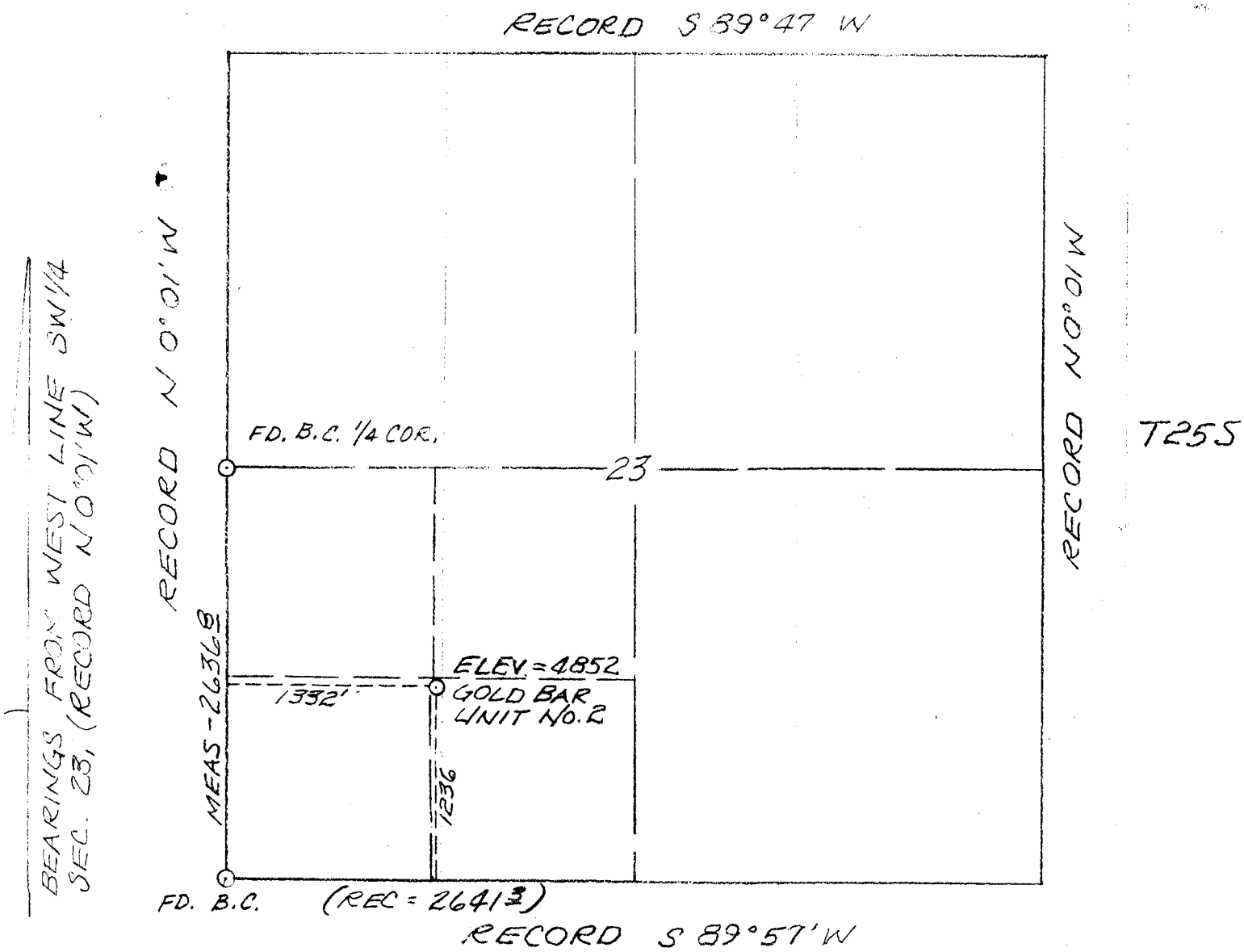
(This space for Federal or State office use)

PERMIT NO. 43-019-30810 — APPROVAL DATE:

APPROVED BY: — TITLE: — DATE:

CONDITIONS OF APPROVAL, IF ANY:

# WELL LOCATION PLAT
# GOLD BAR UNIT Nº 2




WELL LOCATION PLAT
GOLD BAR UNIT Nº 2
IN SE 1/4 SW 1/4, SEC. 23, T 25S, R 20E,
SLB & M., GRAND COUNTY, UTAH
SCALE 1" = 1000'
TRANSIT & EDM SURVEY

ELEVATIONS BY VERTICAL ANGLE
FROM U.S.G.S. TOPO QUAD
"MOAB 4 SW"
ELEVATION AT W 1/4 SEC. 23 = 4879

Jack E. Heap
UTAH R.L.S. Nº 1963

Identification No. 472-81

United States Department of the Interior
Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

# NEPA CATEGORICAL EXCLUSION REVIEW

## PROJECT IDENTIFICATION

Operator/Project Name Davis Oil Co. Gold Bar Unit #2

Project Type Wildcat Oil Test

Project Location 1332' FWL, 1236' FSL, Sec. 23, T25S, R20E, Grand Co., Utah

Date Project Submitted May 26, 1981

## FIELD INSPECTION

Date June 16, 1981

Field Inspection Participants

Roy Moyer - Davis Oil

Jim Boulden - Dirt contractor

Bobby Starrett - Dalgarno Transportation

Russ Ebel, Diane Huffman - Fort Lewis College

Elmer Duncan, Mical Walker, Scott Packer, Tom Hare, Carmen Beightel - BLM

Glenn Doyle - USGS

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

July 24, 1981
Date Prepared

Glenn M. Doyle
Environmental Scientist

I concur

AUG 03 1981
Date

FOR E. W. GUYNN
DISTRICT ENGINEER

District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria 516 DM 2.3.A | Federal/State Agency: Correspondence (date) | Federal/State Agency: Phone check (date) | Federal/State Agency: Meeting (date) | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | Other |
|---|---|---|---|---|---|---|---|---|---|
| Public health and safety | | | | | 1,2 | | | 6/16/81 | |
| Unique characteristics | | | | | 1,2 | | | | |
| Environmentally controversial | | | | | 1,2 | | | | |
| Uncertain and unknown risks | | | | | | 4 | 6 | | |
| Establishes precedents | | | | | 1,2 | | | | |
| Cumulatively significant | | | | | 1,2 | | 6 | | |
| National Register historic places | 1-7/13/81 | | | | | | | | |
| Endangered/ threatened species | 1-7/13/81 | | | | | | | | |
| Violate Federal, State, local, tribal law | | | | | | 4 | | | 3 |

Site-specific stipulations attached

# COMMON REFERENCE LIST

## NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Davis Oil Co. Gold
Bar Unit #2

Site-specific Stipulations

1) Rotate the location so that the reserve pit is on the uphill side in cut material. This is approximately a 180° rotation.

2) Due to the high permeability of the sandstones where the pit will be located, it will be lined with a minimum 30 mil thickness plastic liner underlain with a 4"-6" sand/soil blanket. The edges of the plastic will be overlapped a minimum of 4 feet, folded, and taped. A layer of bentonite or soft soil will be used to cover the plastic to impede puncture by cuttings emitted during the air drilling phase. The plastic will extend over the tops of the banks.

3) When the reserve pit is dry and no longer needed, all plastic that can be physically removed from the pits will be picked up and hauled away.

4) The flare pit will be combined with the reserve pit, elevated, but in cut material, with 6'-8' banks above the reserve pit dike, and designed to drain into the reserve pit. (See change on rig layout).

5) Fence the reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.

Davis Gold Bar #2
Sec. 23, T25S, R20E, Grand Co., Utah

# United States Department of the Interior

IN REPLY REFER TO
3109
U-068
U-17435

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

JUL 10 1981

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P. O. Box 3768
Grand Junction, CO. 81501

From: Area Manager, Grand

Subject: Davis Oil Company (APD)
Gold Bar Unit #2, Lease # U-17435
CSW¼ Sec. 23, T. 25 S., R. 20 E., SLB&M
Grand County, Utah

On June 16, 1981 a representative from this office met with Glenn Doyle, USGS, and Roy Moyer, agent of the Davis Oil Company for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Davis Oil Company.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

U. S. GEOLOGICAL SURVEY
OIL AND GAS OPERATIONS
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GRAND JUNCTION, COLORADO

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 6 inches of topsoil in a wind-row on the north west quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from subsurface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the Pre-drill field examination -

Access -

1) Access from the Grand County road in SE/SE Sec. 27, north and east through Sec. 27 & SE¼ Section 22, T. 20 S., R. 23 E., is under R/W # U-48439. This road section will be up-graded according to the stipulations in the Right-of-Way.

2) Existing access will be up-graded as needed from the west ¼ corner section 23 east and south to the proposed location near CSW¼ Sec. 23 T. 20 S., R. 23 E., SLB&M. This road section will be up-graded where sharp curves exist, and re-aligned to reduce the total distance and grade.

3) Low water crossings will be installed at each drainage channel. Travel surface will be a maximum of 18 feet wide. Surface disturbance, beyond the 18 feet will be kept to an absolute minimum until production is determined.

4) That part of the road in NE¼ Sec. 27, SE¼ Sec. 22 SW¼ Sec. 23 will be closed to all traffic if the well is determined to be a non-producer.

Location -

1) The pit(s) will be in the northeast corner of the pad, with dimensions of 120 feet long x 100 feet wide x 8 feet deep. The pit(s) will be lined with 30 mil plastic, seated into the pit on sand with no rocks in it to break, or cut the plastic. Plastic seams will be overlapped and folded. Plastic will estend over the bank on the pit(s) and be securely anchored to the ground.

2) After drilling is completed, and the pit(s) are not needed, all the plastic that can be physically removed from the pits will be picked up and hauled away.

3) Pit(s) will be fenced on three sides prior to drilling, and the 4th side will be fenced prior to rig removal. Woven wire, 48 inches high will be used, with two (2) strands of barbed wire along the top for support.

4) Pit(s) dikes along the edge of the pad will be at least 1.5 feet to 2.0 feet above the pad level. Dikes will be built up in 8 inch dirt lifts, machinery compacted, and wide enough for machinery to travel over. Natural rock barriers can provide part of the dike when pit(s) are in "cut" portions of the pad.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.

   a. Overlap passes in order to insure complete treatment.

2. Contour pads and access roads.

   a. Lay berms into centers.

   b. Use cut material for fill areas.

   c. Lay stockpiled surface soil over top of pads and spread evenly.

   d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.

   e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.

3. Water bar roads where required by this office.

| | | | | |
|---|---|---|---|---|
| * 2 percent | Grade | - | 200 ft. | intervals |
| 2-4 percent | Grade | - | 100 ft. | intervals |
| 4-5 percent | Grade | - | 75 ft. | intervals |
| 5 percent | Grade | - | 50 ft. | intervals |

   * Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.

4. Seed roads and pads in the fall (Oct. through mid-Dec.).

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

Glenn

FROM : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U-17435

OPERATOR: Davis Oil Co. WELL NO. 2

LOCATION: C SW¼ sec. 23, T. 25S, R. 20E, SLM

Grand County, Utah

---

1. Stratigraphy:

| | |
|---|---|
| Moenkopi | surface |
| Cutler | 360' |
| Hermosa | 1905' |
| Paradox | |
| Ismay | 2860' |
| Salt | 4290' |
| Cane Creek | 7790' |
| TD | 7970' |

2. Fresh Water:

Fresh water may be present in Cutler sandstones.

3. Leasable Minerals:

NaCl : Paradox
Potash : Paradox
Oil/Gas : Cane Creek

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected

U. S. GEOLOGICAL SURVEY
OIL AND GAS OPERATIONS
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JUN 11 1981
GRAND JUNCTION, COLORADO

6. References and Remarks:

Signature: Gregory W. Wood Date: 6-2-81

# SEED MIXTURE

| Species | | lbs/ac |
|---|---|---|
| **Grasses** | | |
| Oryzopsis hymenoides | Indian rice grass | 1 |
| Hilaria jamessii | Curley grass | 1 |
| **Forbs** | | |
| Sphaeralcea coccinea | Globemallow | 1 |
| **Shrubs** | | |
| Atriplex canescens | Four-wing salt bush | 1 |
| Ephedra nevadensis | Mormon tea | 1 |
| Purshia tridentata | Bitterbrush | 1 |
| | Total | 6 |

IN REPLY REFER TO

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

## SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

| | |
|---|---|
| Dynasty Green | (Sears) |
| Tumbleweed | (Pratt & Lambert) |
| Desert Tan | ------ |
| Sage Gray | (Pratt & Lambert) |

Bookcliffs Region:

| | |
|---|---|
| Sage Gray | (Pratt & Lambert) |
| Sea Life | (Pratt & Lambert) |
| Dynasty Green | (Sears) |

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

# TEN POINT PROGRAM

1) SURFACE FORMATION: Moenkopi

2 & 3) ESTIMATED TOPS: (Water, Oil, Gas or Mineral bearing formations)

| | | |
|---|---|---|
| Moenkopi | surface | tite |
| Cutler | 360' | brackish water where porous |
| Hermosa | 1905' | salt water where porous |
| Ismay | 2860' | salt water where porous |
| Paradox salt | 4290' | salt water where porous |
| Cane Creek | 7790' | possible oil and gas |
| Total depth | 7970' | |

4) CASING PROGRAM:
17 1/2", 13 3/8" 54.50# K-55 STC(NEW) 0-350' 200 sxs. est.
12 1/4", 9 5/8" 36# K-55 STC(NEW) 0-3290'
12 1/4", 9 5/8" 40# K-55 STC(NEW) 3290-4290' 400 sxs. est.
8 3/4", 5 1/2" 20# N-80 LTC(NEW) 0-7970' 650 sxs. est.

5) PRESSURE CONTROL EQUIPMENT: (See attached schematic diagram) BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing and then will be checked daily as to mechanical operating condition. Ram type preventors and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly or to 70% of the minimum internal yield pressure of the casing. Annular type preventors will be tested to 50% of their rtaed working pressure. BOP's will be pressure tested at least once every 30 days.

6) MUD PROGRAM:
0-350' fresh water/gel/lime spud mud
350-4290' air or air mist
4290-7970' saturated salt water/salt gel 10.0 to 11.5 ppg based on offset of wells. 35-45 vis., 20 cc W.L., PH 9.5-11.

Sufficient mud materials to maintain mud properties, control lost circulation and to contain blowout will be available at wellsite.

7) AUXILLIARY EQUIPMENT:

1) Kelly Cock.
2) Drill Pipe Float (Except for lost circulation drilling conditions)
3) Monitoring of Mud System will be visual unless otherwise specified.
4) A sub on the floor with a full opening valve to be stabbed into drill pipe when Kelly is not in the string.

8) LOGGING:
Dual Laterlog - from base of surface casing to total depth
CNL-FDC - from base of surface casing to total depth
Dipmeter and FIL - from base of surface casing to total depth.

CORING:
NONE

8) Continued -

TESTING:

DST Cane Creek, 1 other test at discretion of geologic staff

STIMULATION:

Cane Creek Formation - 30,000 gallons of gelled acid with ± 1 ppg of sand.

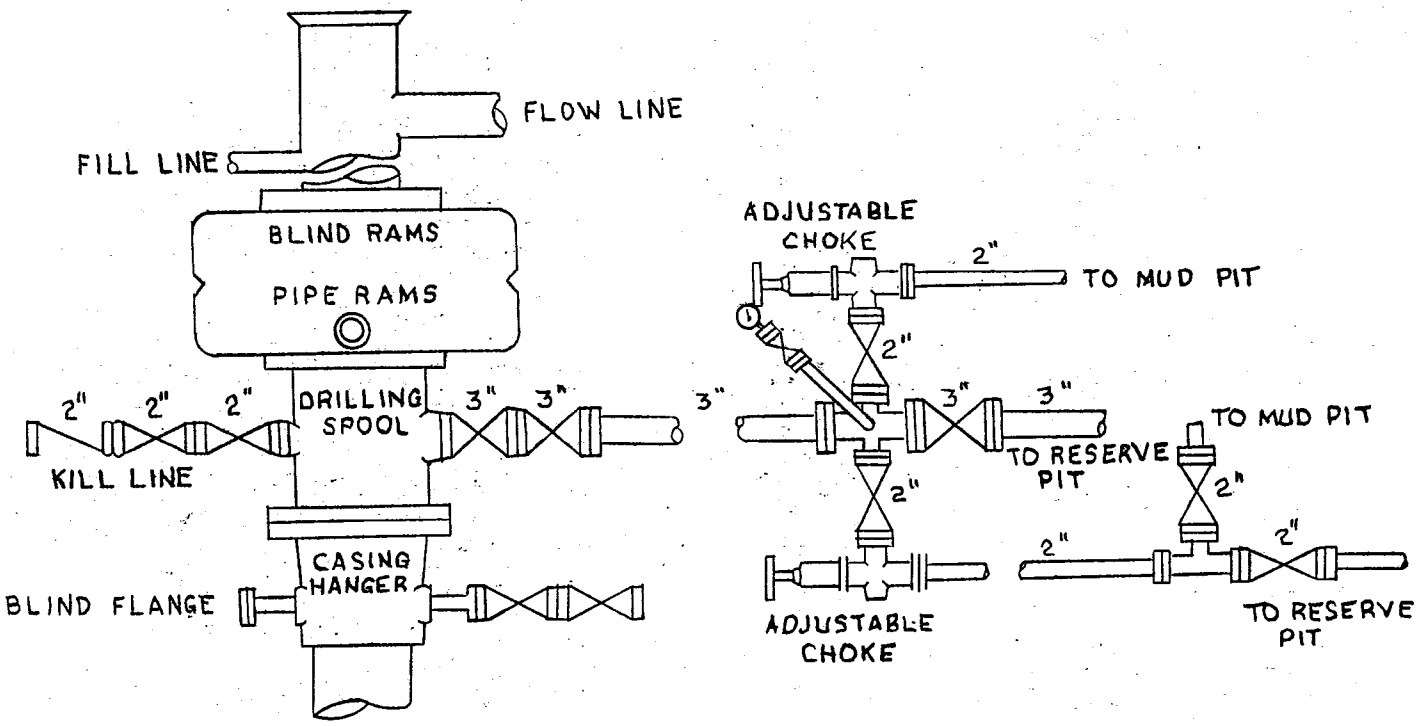
Actual volume of treatment will be dependent upon thickness of pay and evaluation of zone of interest.

9) ABNORMAL PRESSURE: This firm does not anticipate any abnormal pressure of temperatures or any other hazards. This is based on previous geological data from nearby wells.

ESTIMATED BOTTOMHOLE PRESSURE: 5500 PSI.

10) ANTICIPATED STARTING DATE: Within 30 - 45 days from Government approval.

DURATION OF OPERATION: 30-60 Days.




DAVIS OIL COMPANY

CACTUS DRILLING RIG NO. 5 & 19

BLOW-OUT PREVENTION SYSTEM

12" 900 SERIES SHAFFER TYPE 48

** FILE NOTATIONS **

DATE: June 11, 1981

OPERATOR: Davis Oil Company

WELL NO: #2 Gold Bar Unit

Location: Sec SE SW 23 T. 25 S R. 20 E County: Grand

File Prepared: ✓ Entered on N.I.D: ✓

Card Indexed: ✓ Completion Sheet: ✓

API Number 43-019-30810

CHECKED BY:

Petroleum Engineer:

Director: OK CBJ

Administrative Aide: OK on boundries

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed Plotted on Map

Approval Letter Written

Hot Line ✓ P.I. ✓

June 24, 1981

Davis Oil Company
410 17th Street,
Suite #1400
Denver, Colo. 80202

RE: Well No. Gold Bar Unit #2
Sec. 23, T. 25S, R. 20E,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regualtions and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30810

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight,
Director

CBF/db
CC: USGS

Davis Oil

# NOTICE OF SPUD

Caller: John Powell

Phone:

Well Number: Gold Bar #2

1332' FWL
1236' FSL Location: SE/SW 23-25S-20E

County: Grand State: Utah

Lease Number: U-17435

Lease Expiration Date:

Unit Name (If Applicable): Gold Bar Unit

Date & Time Spudded: 9-11-81 12:00 P.

Dry Hole Spudder/Rotary:

Details of Spud (Hole, Casing, Cement, etc.) 17½"

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SEP 15 1981
DIVISION OF
OIL, GAS & MINING

Rotary Rig Name & Number: Brinkerhoff #76

Approximate Date Rotary Moves In:

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 9-14-81

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

NAME OF COMPANY: Davis Oil

WELL NAME: Gold Bar Unit #2

SE SW

SECTION 23 TOWNSHIP 25S RANGE 20E COUNTY Grand

DRILLING CONTRACTOR Brinkerhoff Signal

RIG # 76

SPUDDED: DATE 9-12-81

TIME 12:00 noon

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY Charles Powell

TELEPHONE # (303) 565-6527

DATE 9-14-81 SIGNED D.B.

FORM DOGC-4

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
533-5771

State Lease No. _____
Federal Lease No. U-017435
Indian Lease No. _____
Fee & Pat. _____

## REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE Wildcat/Gold Bar Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of:

SEPTEMBER, 19 81

Agent's Address 410 17th Street
Suite 1400
Denver, Colorado 80202

Company Davis Oil Company
Signed P.M. Leighton
Title Production Services Manager

Phone No. (303) 623-1000

| Sec. and 1/4 of 1/4 | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (if none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| C SW 23 | 25S | 20E | 2 | 0 | 0 | | 0 | 0 | 0 | 9-9-81 DRILLED RAT HOLE. 9-12-81 SPUDDED WELL. 9-13-81 RAN 16 JTS 13 3/8" 15.5# K-55 GSG. SET @ 500' KB & CMTD W/400 SXS. 9-20-81 DRLG TO 3833'. |

GAS: (MCF)
Sold NONE
Flared/Vented
Used On/Off Lease

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month NONE
Produced during month
Sold during month
Unavoidably lost
Reason:
On hand at end of month

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED*

JOHNSTON-MACCO
Schlumberger

RECEIVED
OCT 09 1981
DIVISION OF
OIL, GAS & MINING

# DISTRIBUTION FOR TECHNICAL REPORTS

JS—223-A

| | |
|---|---|
| FIELD REPORT NO. | 30543 |
| DATE | 9-29-81 |

| | | |
|---|---|---|
| COMPANY: DAVIS OIL COMPANY | WELL: GOLD BAR UNIT | NO. 2 |
| CUSTOMER: DAVIS OIL COMPANY | FIELD: WILDCAT | |
| COUNTY: GRAND | STATE: UTAH | |

☐ THIS TEST ONLY ☒ ALL TESTS ON THIS WELL

JOHNSTON-MACCO HAS BEEN REQUESTED TO FURNISH THE FOLLOWING COMPANIES WITH TECHNICAL REPORTS. THIS DISTRIBUTION WILL BE AS INDICATED AT LEFT UNLESS OTHERWISE STATED.

| | |
|---|---|
| 1 SKYLINE OIL CO.<br>2000 UNIVERSITY CLUB BLDG.<br>SALT LAKE CITY, UTAH 84101<br>ATTN: DICK BURNS | 1 D.A. LUBRICANT CO. INC.<br>4415 EUCLID AVE.<br>CLEVELAND, OHIO 44103 |
| 1 VINCE ALLEN & ASSOCIATES<br>CHERRY CREEK PLAZA BLDG.<br>3400 E. BAYAUD SUITE 200<br>DENVER, CO 80209 | 1 WEXPRO FARMINGTON DISTRICT<br>P.O. BOX 2329<br>FARMINGTON, NEW MEXICO 87401<br>ATTN: NICK THOMAIDIS |
| 2 CHANDLER & ASSOCIATES, INC.<br>1401 DENVER CLUB BLDG.<br>DENVER, CO 80202<br>ATTN: RICHARD VEGHT | 1 WEXPRO<br>P.O. BOX 11070<br>SALT LAKE CITY, UTAH 84147<br>ATTN: OPERATIONS MANAGER |
| 1 CORNELL OIL CO.<br>5440 HARVEST HILL RD. SUITE 200<br>DALLAS, TEXAS 75230<br>ATTN: ED BOUTTE | 1 MOUNTAIN FUEL SUPPLY CO.<br>P.O. BOX 11368<br>SALT LAKE CITY, UTAH 84139<br>ATTN: DAVID REFFERT |
| 1 GROVE EXPLORATION<br>SUITE 1540<br>800 WEST PENDER ST.<br>VANCOUVER, B.C. V6C2V6 ATTN: JOHN GODFREY | 2 EXXON COMPANY, U.S.A.<br>P.O. BOX 120<br>DENVER, CO 80201<br>ATTN: CLAY ROBINSON |
| 1 JMB ENERGY CORPORATION<br>875 N. MICHIGAN AVE.<br>CHICAGO, ILLINOIS 60611<br>ATTN: MARY LETTERMAN | 1 BILL HANSON<br>DAVIS OIL<br>410 17TH ST., SUITE 1400<br>DENVER, CO 80202 |

JOHNSTON-MACCO
Schlumberger

# DISTRIBUTION FOR TECHNICAL REPORTS

JS—223-A

| | |
|---|---|
| FIELD REPORT NO. | 30543 |
| DATE | 9-29-81 |
| COMPANY | DAVIS OIL COMPANY |
| WELL | GOLD BAR UNIT |
| NO. | 2 |
| CUSTOMER | DAVIS OIL COMPANY |
| FIELD | WILDCAT |
| COUNTY | GRAND |
| STATE | UTAH |

☐ THIS TEST ONLY ☒ ALL TESTS ON THIS WELL

JOHNSTON-MACCO HAS BEEN REQUESTED TO FURNISH THE FOLLOWING COMPANIES WITH TECHNICAL REPORTS. THIS DISTRIBUTION WILL BE AS INDICATED AT LEFT UNLESS OTHERWISE STATED.

| | |
|---|---|
| 2 DAVIS OIL PRODUCTION<br>3211 ENERGY LANE<br>SUITE 201<br>CASPER, WY 82601 | ☐ |
| 1 DAVIS OIL COMPANY<br>BOX 2080<br>GILLETTE, WY 82716 | ☐ |
| 1 DAVIS OIL COMPANY<br>230 WEST NORTH ST.<br>CORTEZ, CO 81321 | ☐ |
| 2 UTAH OIL & GAS COMMISSION | ☐ |
| 2 USGS - UTAH | ☐ |
| ☐ | ☐ |

FORM DOGC-4

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
533-5771

State Lease No. _____
Federal Lease No. U-017435
Indian Lease No. _____
Fee & Pat. _____

## REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE Wildcat/Gold Bar Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of:

OCTOBER, 19 81.

Agent's Address 410 17th Street
Suite 1400
Denver, Colorado 80202

Company Davis Oil Company
Signed R M Leighton
Title Production Services Manager

Phone No. (303) 623-1000

| Sec. and 1/4 of 1/4 | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (if none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| C SW 23 | 25S | 20E | 2 | -0- | -0- | / | -0- | -0- | -0- | 9-21-81 DRLG. TO 4354'. 9-24-81 RAN 25 JTS. OF 9 5/8", 40#, K-55 AND 96 JTS. OF 9 5/8", 36#, K-55 CSG. SET AT 4960' KB. CMTD. WITH 1300 SXS. 9-30-81 DST #1 6582-6587' 10-7-81 DRLG. TO 9140'. 10-19-81 RAN 51 JTS. OF 5 1/2", 20#, P-110 AND 194 JTS. OF 5 1/2", 20#, N-80 CSG. SET AT 9682' KB. CMTD. WITH 155 SXS. 10-20-81 TD AT 9682'. |

GAS: (MCF)
Sold NONE
Flared/Vented
Used On/Off Lease

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month NONE
Produced during month
Sold during month
Unavoidably lost
Reason:
On hand at end of month

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED*

FORM DOGC-4

**STATE OF UTAH**
**DEPARTMENT OF NATURAL RESOURCES**
**DIVISION OF OIL & GAS CONSERVATION**
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
533-5771

State Lease No. _____
Federal Lease No. U-017435
Indian Lease No. _____
Fee & Pat. _____

# REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE Wildcat/Gold Bar Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of:

NOVEMBER, 19 81.

Agent's Address 410 17th Street
Suite 1400
Denver, Colorado 80202

Company Davis Oil Company
Signed P. M. Leighton
Title Production Services Manager

Phone No. (303) 623-1000

| Sec. and 1/4 of 1/4 | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (if none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| C SW 23 | 25S | 20E | 2 | -0- | -0- | -0- | -0- | -0- | -0- | 10-21-81 TD 9682'. FROM 10-26-81 THRU 11-20-81 W.O.C.T. |

GAS: (MCF)
Sold NONE
Flared/Vented
Used On/Off Lease

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month NONE
Produced during month
Sold during month
Unavoidably lost
Reason:
On hand at end of month

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED*

FORM DOGC-4

**STATE OF UTAH**
**DEPARTMENT OF NATURAL RESOURCES**
**DIVISION OF OIL & GAS CONSERVATION**
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
533-5771

State Lease No. _____
Federal Lease No. U-017435
Indian Lease No. _____
Fee & Pat. _____

## REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE Wildcat/Gold Bar Unit 2

The following is a correct report of operations and production (including drilling and producing wells) for the month of:

DECEMBER, 19 81.

Agent's Address 410 17th Street
Suite 1400
Denver, Colorado 80202

Company Davis Oil Company
Signed R. M. Seizinton
Title Production Services Manager

Phone No. (303) 623-1000

| Sec. and 1/4 of 1/4 | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (if none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| C SW 23 | 25S | 20E | 2 | -0- | -0- | -0- | -0- | -0- | -0- | 11-21-81 WOCT. 11-30-81 MIRU CT. 12-9-81 PERF LEADVILLE 9522-50 AND 9542-50; 4 JSPF. SWAB TEST. THRU 12-19-81. PREP. TO PERF. |

GAS: (MCF)
Sold NONE
Flared/Vented
Used On/Off Lease

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month NONE
Produced during month
Sold during month
Unavoidably lost
Reason:
On hand at end of month

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED*

DAVIS OIL COMPANY
410 – 17TH STREET, SUITE 1400
DENVER, COLORADO 80202
TELEPHONE: 303-623-1000

NEW ORLEANS
HOUSTON
TULSA

November 5, 1981

NOV 06 1981
DIVISION OF
OIL, GAS & MINING

Mr. Mike Mender
Division of Oil and Gas
Department of Natural Resources
1588 W. North Temple
Salt Lake City, Utah 84116

RE: Davis Oil Company's
#2 Gold Bar Unit

Dear Mr. Mender:

Please hold the #2 Gold Bar Unit that Davis Oil Company has - as a tight hole for at least six months - please do not release any information on this well - no logs, etc.

#2 Gold Bar Unit
C SW Sec. 23, T25S, R20E
Grand County, Utah

Information has been released to Petroleum Information by accident from your office because we did not write a written request to you.

PLEASE SEE THAT NO MORE INFORMATION IS RELEASED.

Very truly yours,

DAVIS OIL COMPANY

Michelle

Michelle Hiller
Executive Secretary

/mh

**DAVIS OIL COMPANY**
410 – 17TH STREET, SUITE 1400
DENVER, COLORADO 80202
TELEPHONE: 303-623-1000

NEW ORLEANS
HOUSTON
TULSA

November 16, 1981

RECEIVED
NOV 23 1981
DIVISION OF
OIL, GAS & MINING

Department of Natural Resources
Division of Oil & Gas
1588 West North Temple
Salt Lake City, Utah 84116

USGS
745 West 1700 South
Administration Bldg., Room 2000
Salt Lake City, Utah 84104

RE: #2 Gold Bar Unit-TIGHT HOLE
C SW Sec. 23, T25S, R20E
Grand County, Utah

Gentlemen:

Enclosed are your requested number of copies of the geological report on the above captioned well for your files.

Very truly yours,

DAVIS OIL COMPANY

Stacey

Stacey L. Williams
Geological Clerk

/sw
Enclosures

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 10, 1982

Davis Oil Company
410 17th Street, Suite 1400
Denver, Colorado 80202

Re: Well No. Gold Bar Unit #2
Sec. 23, T. 25S, R. 20E
Grand County, Utah
(November 1981- December 1981)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen

an equal opportunity employer • please recycle paper

FORM DOGC-4

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
533-5771

State Lease No. _____
Federal Lease No. U-017435
Indian Lease No. _____
Fee & Pat. _____

## REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE Wildcat/Gold Bar Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of:

FEBRUARY, 19 82.

Agent's Address 410 17th Street Suite 1400 Denver, Colorado 80202
Phone No. (303) 623-1000

Company Davis Oil Company
Signed Pamela Leighton
Title Production Services Manager

| Sec. and 1/4 of 1/4 | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (if none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| C SW 23 | 25S | 20E | 2 | -0- | -0- | -0- | -0- | -0- | -0- | 1-21-82 THRU 1-25-82 SWBING. 1-27-82 - PERF CANE CREEK - 4 SHOTS - 6625-6626'. 2-2-82 - RAN CSG. SCRAPER & TBG. IN HOLE. 2-8-82 - DRILLED CEMENT RETAINER. 2-16-82 PERF CLASTIC #10 FORM. W/4" CSG. GUN FROM 6580-6609' 2 JSPF - 57 HOLES. 2-21-82 - SHUT DOWN. |

GAS: (MCF)
Sold NONE
Flared/Vented
Used On/Off Lease

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month NONE
Produced during month
Sold during month
Unavoidably lost
Reason:
On hand at end of month

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED*

GOLD BAR #2
CALSTIC #10 FORMATION PBTD 8,200'
T.D. 9,682' DAYS FROM RIG UP 99
CUM IDC $449,832.00
PRESENT OPERATION - WOO.

3-9-82 Drilled cement from 6,593'-6,610' and fell through. Strapped tbg out. Ran short bond log. Bond looked good. Pressured up to 1,000 PSI on csg and press held. Ran bond log from 6,800'-5,800' under 1,000 PSI press. Sent log to Denver.

GOLD BAR #2
CLASTIC #10 FORMATION PBTD 8,200'
T.D. 9,682' DAYS FROM RIG UP 100
CUM IDC $456,832.00
PRESENT OPERATION - Perforate 6,593'-6,600' (15 holes).

3-10-82 Waited on orders then pressured up on well. Started pumping fluid at 4,000 PSI and at 4,500 PSI, pumped 1.7 BPM. Ran a CIBP down csg on a wire line and set it at 6,620'. Spotted 4' of cement on top. Pressured up again and pumped 1.7 BPM at 4,500 PSI. 7:30 WOO, 11:00 Press test and set CIBP, 3:00 Press test csg.

GOLD BAR #2
CLASTIC #10 FORMATION PERFORATION 6,593'-6,600' 15 HOLES
PBTD 8,200' T.D. 9,682'
DAYS FROM RIG UP 101 CUM IDC $461,032.00
PRESENT OPERATION - Swabbing.

3-11-82 Ran 50 stands tbg down hole and swabbed fluid down to 3,000'. Pulled tbg and rigged up Gearhart. Ran 4" gun down hole and perforated csg from 6,593' to 6,600' w/ 15 shots. RIH w/ Baker R-3 pkr and set it at 6,503'. Made 3 swab runs and swabbed 24 BF. BLOTR 0, BLWTR 0.

DAYS FROM RIG UP 102 CUM IDC $ 463.732.00
PRESENT OPERATION - Oil breakdown

3-12-82 Made 4 swab runs and recovered one bbl of fluid, 25% oil, 75% water. Western will be on location this morning for breakdown.

| | | | | | | |
|---|---|---|---|---|---|---|
| 10:00 | 1 run | 5500'FL | 1 BF | ¼ BO | 3/4 BW |
| 12:00 | 1 run | 6000'FL | 0 BF | 0 BO | 0 BW |
| 2:00 | 1 run | 6000'FL | 0 BF | 0 BO | 0 BW |
| 4:00 | 1 run | 6000'FL | 0 BF | 0 BO | 0 BW |
| Total | 4 | | 1 | ¼ | 3/4 |

PRESENT OPERATION - Swabbing.

3-13-82 Western did oil breakdown. Pumped a total of 98 BO, max press 6,700 PSI, max rate 5 BPM, ISIP 5,100 PSI after 15 minutes 4,900 PSI. 7:30 Rig up Western pump 98 BO. 11:00 Rig down Western. 12:00 4 swab runs, surface, 45 BF, 45 BO, swabbed hole dry in 4 runs. BLOTR -53.

3-14-82 SD Sunday.

GOLD BAR #2
CLASTIC #10 FORMATION PERFORATION 6,593'-6,600' 15 HOLES
PBTD 8,200' T.D. 9,682'
DAYS FROM RIG UP 105 CUM IDC $475,332.00
PRESENT OPERATION - Swabbing.

3-15-82 Made 6 swab runs and swabbed 24 BF. Swabbed dry in 3 runs. Not making any gas.

| | | | | | |
|---|---|---|---|---|---|
| 7:30 | 3 Runs | 2,500' FL | 24 BF | 22 BO | 2 BW |
| 11:30 | 1 Run | 6,000' FL | 0 BF | 0 BO | 0 BW |
| 1:30 | 1 Run | 6,000' FL | 0 BF | 0 BO | 0 BW |
| 3:30 | 1 Run | 6,000' FL | 0 BF | 0 BO | 0 BW |

BLOTR -31, BLWTR +2.

Gold Bar Unit #2
C SW sec. 23 T25S R20E
Grand, UT
U-17435

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,593'-6,600' 15 HOLES
PBTD 8,200' — T.D. 9,682'
DAYS FROM RIG UP 106 — CUM IDC $477,832.00
PRESENT OPERATION - WOO.

3-16-82 Swabbed tbg dry after 1 run. Released pkr and pulled tbg. Laid down the drill collars.

| | | | | | |
|---|---|---|---|---|---|
| 7:30 | 1 Run | 6,000' FL | ½ BF | ½ BO | 0 BW |
| 8:00 | 1 Run | 6,000' FL | 0 BF | 0 BO | 0 BW |

BLOTR -30, BLWTR +2.

DAYS FROM RIG UP 107 — CUM IDC $480,932.00
PRESENT OPERATION - Moving off location.

3-17-82 Loaded out rental drill collars. Released pkr and pulled and laid down tbg. Removed BOP's and installed the 5,000 PSI tree. BLOTR -30, BLWTR +2.

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,593'-6,600' 15 HOLES
PBTD 8,200' — T.D. 9,682'
DAYS FROM RIG UP 108 — CUM IDC $482,932.00
PRESENT OPERATION - Rigged down and moved off location. Temporarily ~~P~~ ~~and~~ Abandoned

3-18-82 MOCT. 7:30-10:00 Rigged down. BLOTR -30, BLWTR +2. Final Report.

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

4

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: DAVIS OIL COMPANY

3. ADDRESS OF OPERATOR: 410 17th St., Suite 1400 Denver, CO 80202

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: C SW Sec. 23, T25S, R20E
At top prod. interval reported below: same
At total depth: same

5. LEASE DESIGNATION AND SERIAL NO.: U-17435
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -----
7. UNIT AGREEMENT NAME: Gold Bar Unit
8. FARM OR LEASE NAME: -----
9. WELL NO.: #2
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 23, T25S, R20E

| 14. PERMIT NO. | DATE ISSUED | 12. COUNTY OR PARISH | 13. STATE |
|---|---|---|---|
| 43-019 30810 | 6-22-81 | Grand | Utah |

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 9-12-81 | 10-14-81 | 3-18-82 | 4852'GL 4864' KB | ----- |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 9682' | 8200' | 0 | → | 0-9682' | ----- |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9872'-9472', 9522'-9650'.
Leadville 6625'-26', 8270'-8316', 8444'-54', 9267'-72',

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Laterlog, CDL, DI, Density Neutron, GR-CBL

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 13 3/8" | 54.5 | 500' | 17½" | 400 | 27,000 |
| 9 5/8" | 36 | 4960' | 12¼" | 1300 | 110,000 |
| 5 ½" | 20 | 9682' | 8½" | 155 | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| | | |

31. PERFORATION RECORD (*Interval, size and number*)

| | | |
|---|---|---|
| 6598'-6600' | .43 | 15 holes |
| 6625'-26' | .43 | 4 holes |
| 8270'-8316' | .43 | 35 holes |
| 8444'-54' | .43 | 23 holes |
| 9267'-72' | .43 | 45 holes |
| 9522'-9650' | .43 | 66 holes |

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| same as 31 | 32,750 Apollo-40 |
| | 46,000# 20-40 sand. |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| NONE | T.A. 3-18-82 | SIOW TA |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| | | | | | | |

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Geological reports previously submitted.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Division Manager DATE 3/19/82

*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| | | | |

38. GEOLOGIC MARKERS

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| Moss Back | 689' | |
| Moenkopi | 714' | |
| White Rim | 1290' | |
| Cutler | 1374' | |
| Hermosa | 3232' | |
| First Salt | 4458' | |
| Top Salt | 4650' | |
| Cane Creek | 8266' | |
| L. Cane Creek | 8442' | |
| Pinkerton Trail | 9121' | |
| Molas | 9230' | |
| Leadville | 9259' | |
| TD | 9682' | |

*GPO 782-929

A GEOSCIENCE EXTENSION OF XCO

910 Sixteenth Street, #522, Denver, Colorado 80202 (303) 893-8138

RECEIVED
NOV 23 1981
DIVISION OF
OIL, GAS & MINING

DAVIS OIL COMPANY

GOLD BAR UNIT NO. 2

C SW SECTION 23 - T25S - R20E

GRAND COUNTY, UTAH

GEOLOGIST: John Dietz,
GX Consultants

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# RESUME

| | |
|---|---|
| OPERATOR: | Davis Oil Company |
| WELL NAME & NUMBER: | Gold Bar Unit No. 2 |
| LOCATION: | C SW Section 23 - T25S - R20E |
| COUNTY: | Grand |
| STATE: | Utah |
| SPUD DATE: | September 11, 1981 |
| COMPLETION DATE (TD): | October 14, 1981 |
| ELEVATIONS: | 4,852' GL 4,864' KB |
| TOTAL DEPTH: | 9,683' LOGS 9,682' DRLR |
| CONTRACTOR: | Brinkerhoff - Signal |
| RIG: | #76 |
| TYPE RIG: | Gardner - Denver 500 |
| PUMPS: | Gardner - Denver P28 8" Stroke Length 6" Line<br>Emsco D375 14" Stroke Length 5" Liner |
| GEOLOGIST: | John Dietz |
| ENGINEER: | Leo Lewis, Elmer Combs |
| TOOL PUSHER: | Gary Weisgerber |
| TYPE DRILLING MUD: | Salt - Based |
| MUD COMPANY: | Baroid |
| MUD ENGINEER: | Spencer Powell |
| HOLE SIZES: | 17½" Surface - 505',12¼" 505' - 4,976'<br>8½" 4,976' - 9,682' |
| CASING: | 13-3/8" set at 505', 9-5/8" set at 4,960',<br>5½" run to T.D. |
| MUD LOGGING BY: | Tooke Engineering - Barry Sylvester |
| TYPE UNIT: | One Man W/ Hotwire And Chromatograph |
| CORE INTERVALS: | None |
| DST DEPTHS: | #1: 6,582' - 6,669'<br>#2: 9,258' - 9,301' |
| DST COMPANY: | Johnston - Schlumberger |

RESUME (CONTINUED)

| | |
|---|---|
| ELECTRIC LOGS BY: | Dresser - Atlas |
| TYPE LOGS RUN: | Dual Laterolog W/ Gamma Ray: T.D. - 4,960'<br>Densilog, Compensated Neutron: T.D.-4,960'<br>Acoustilog: T.D. - 4,960'<br>VDL: T.D. - 4,960'<br>Dip Frac.: T.D. - 4,960'<br>Spectralog: T.D. - 9,060', 8,400' - 6,500' |
| LOGGING ENGINEER: | Joe Hewitt |
| BOTTOM FORMATION: | Leadville |
| WELL STATUS: | Casing Run For Possible Production. |

## SUMMARY AND CONCLUSIONS

Davis Oil Gold Bar Unit #2 was drilled to a total depth of 9,682' (Driller), 9,683' (E-Logs), with T.D. in the Leadville Formation. The primary zones of interest were the Cane Creek, within the Paradox Salt, and the Leadville. Gold Bar Unit #2 lies approx. 2½ - 3 miles east-northeast of Gold Bar Unit #1.

For easier correlation with Gold Bar Unit #1, the numbering of the non-salt intervals here approximately follows the numbering of Gold Bar #1, although the numbering does not necessarily agree with some published literature. For example, the interval labeled as "A" here is #1 in some literature, the interval labeled #6 may be called #7 elsewhere, etc.

The Paradox Salt was encountered at a depth of 4,458'. This first salt in G.B. #2 is apparently the equivalent of an Anhydrite in G.B. #1 at 4,500', in what is possibly the Akah Zone of the Paradox Formation. Hence, in effect, there is an additional non-salt interval in G.B. #2 as compared to G.B. #1, and it is labeled as Non-Salt Interval "A".

Another interesting difference in the two wells is that the zone labeled as Non-Salt Interval #7 in G.B. #1 is not present in G.B. #2.

Non-Salt Interval #10 was penetrated at a depth of 6,581' (logs). A gas show of 160 units was recorded, over a background of 3 units. Sample inspection found a Dolomite, cream-tan, micxl-v f gran, microsucrosic, sl arg, fr w/occ g vis Ø, good yel flor, occ fr strmg cut, most w/ fr milky cut only, tr oil stn. DST#1 was conducted at this point, with no gas to surface, and a recovery of 225' of oil-cut and gas-cut mud, approx. 10% oil, 42 gravity. However, the pressures recorded indicated depletion of the reservoir during the flow periods.

The Cane Creek was encountered at 8,267' (logs). Some gas increases were recorded within the Cane Creek, with none higher than 125 units, over a background of 40 - 50 units. The best sample shows were found 8,265' - 8,280', 8,290' - 8,295', and from 8,315' - 8,320'. In general, sample inspection found a Limestone, blk, occ brn, crpxl, v arg grdg to Shale, p vis Ø, no flor, slow fr - g strmg cut. The magnitude of the gas shows was not considered to be enough to warrant immediate testing.

The Lower Cane Creek was penetrated at a depth of 8,442' (logs). Sample shows in G.B. #2 in this zone were not as good as in G.B.#1. Lithology was a tan-lt brn arg Dolomite, and a dkbrn - blk Dolomitic Shale, both with fr-g milky cuts only.

The Leadville Formation was reached at a depth of 9,259' (logs). A drilling break occurred in the upper 20' of the formation, drilling at 2-5 minuties per foot, with a drill rate of 10 - 15 minutes per foot before and after. A gas increase up to 88 units was recorded, over a background of 30 units. Some lost circulation was experienced while drilling this zone. Sample inspection found a Limestone, wh-cream, tan-lt brn, gy, crpxl, some chalky, clean-sl arg, some very fos,p-fr vis Ø, occ pinhole Ø, some yel min flor, approx. 20% of samples w/ good brn

SUMMARY AND CONCLUSIONS (CONTINUED)

oil stn, p - fr strmg cut, w/occ g strmg cut. Another 2-foot drilling break occurred approximately 20' past the first, just prior to stopping for testing. While circulating for DST #2, circulation was lost again, and it is unclear which zone the mud was lost into. DST #2 was conducte with a recovery of 6,532' of drilling mud, no gas to surface. However, the test was influenced by the more than 300 bbls of mud which were lost into the test interval prior to testing.

Upon inspection of E-Logs, a decision was made to run casing for possible production from the Cane Creek, and perhaps other zones.

## FORMATION TOPS

ALL TOPS FROM E-LOGS

| FORMATION | Davis Oil Co.<br>Gold Bar Unit #2<br>C SW Section 23,<br>T25S, R20E<br>Grand Co., Utah<br>KB 4,864' | | Davis Oil Co.<br>Gold Bar Unit #1<br>C SW SE Section 29, T25S<br>R20E<br>Grand Co., Utah<br>KB 5,325' | |
|---|---|---|---|---|
| | DEPTH | DATUM | DEPTH | DATUM |
| Paradox Salt | 4,458 | +406 | 4,631 | +694 |
| Non-Salt Interval #1 | 4,921 | -57 | 4,876 | +449 |
| Non-Salt Interval #2 | 5,169 | -309 | 5,072 | +253 |
| Non-Salt Interval #3 | 5,408 | -544 | 5,304 | +21 |
| Non-Salt Interval #4 | 5,598 | -734 | 5,450 | -125 |
| Non-Salt Interval #5 | 5,966 | -1,102 | 5,782 | -457 |
| Non-Salt Interval #6 | 6,088 | -1,224 | 5,896 | -571 |
| Non-Salt Interval #7 | Interval not present. | | 5,974 | -649 |
| Non-Salt Interval #8 | 6,335 | -1,471 | 6,162 | -837 |
| Non-Salt Interval #9 | 6,426 | -1,562 | 6,250 | -925 |
| Non-Salt Interval #10 | 6,581 | -1,717 | 6,368 | -1,043 |
| Non-Salt Interval #11 | 6,671 | -1,807 | 6,466 | -1,141 |
| Non-Salt Interval #12 | 6,869 | -2,005 | 6,668 | -1,343 |
| Non-Salt Interval #13 | 7,022 | -2,158 | 6,801 | -1,476 |
| Non-Salt Interval #14 | 7,080 | -2,216 | 6,855 | -1,530 |
| Non-Salt Interval #15 | 7,268 | -2,404 | 7,010 | -1,685 |
| Non-Salt Interval #16 | 7,320 | -2,456 | 7,062 | -1,737 |
| Non-Salt Interval #17 | 7,381 | -2,517 | 7,114 | -1,789 |
| Non-Salt Interval #18 | 7,596 | -2,732 | 7,260 | -1,935 |
| Non-Salt Interval #19 | 7,838 | -2,974 | 7,530 | -2,205 |
| Non-Salt Interval #20 | 8,018 | -3,154 | 7,710 | -7,719 |

FORMATION TOPS (CONTINUED)

| | | | | |
|---|---|---|---|---|
| Upper Cane Creek | 8,267 | -3,403 | 7,939 | -2,614 |
| Lower Cane Creek | 8,442 | -3,578 | 8,080 | -2,755 |
| Pinkerton Trail | 9,121 | -4,257 | Pinkerton Trail not reached. | |
| Molas | 9,230 | -4,366 | | |
| Leadville | 9,259 | -4,395 | | |

## WELL HISTORY

| 1981 DATE | WOB | RPM | PP | 7:00 A.M. DEPTH | ACTIVITY |
|---|---|---|---|---|---|
| 9-18 | 25 | 60 | 125 | 3,539 | Drilling with Air Mist. |
| 9-19 | 25 | 75 | 125 | 3,818 | Drilling, Trip for NB#4, T.I.H., Ream 725', Trip out for new bit, T.I.H., Finish reaming to bottom. |
| 9-20 | 25 | 75 | 125 | 3,848 | Reaming, Drilling. |
| 9-21 | 25/30 | 80 | 125 | 4,366 | Drilling. |
| 9-22 | 20/25 | 80 | 125 | 4,926 | Drilling, Clean out hole, Drilling, Pipe stuck for 3½ hours at 4,950', Pipe Freed, Drill to 4,976', Trip out for E-Logs, Logging. |
| 9-23 | — | — | — | 4,976 | Logging, Run 9-5/8" casing to 4,960'. |
| 9-24 | — | — | — | 4,976 | Cement casing, Wait on cment, Run Cement Bond Log. |
| 9-25 | 32 | 65/70 | 1,400 | 4,976 | Run Cement Bond Log, T.I.H., Bit plugged, T.O.H., T.I.H., Drilling. |
| 9-26 | 32 | 65/70 | 1,400 | 5,213 | Drilling. |
| 9-27 | 32 | 60/70 | 1,400 | 5,646 | Drilling. |
| 9-28 | 25 | 70 | 1,400 | 6,124 | Drilling. |
| 9-29 | 30 | 70 | 1,400 | 6,656 | Drilling, Circulate for DST, T.O.H., Run DST #1. |
| 9-30 | 35 | 70 | 1,600 | 6,669 | Run DST #1, T.I.H. w/ NB #6, Ream 90 ft. to bottom, Drilling. |
| 10-1 | 30 | 70 | 1,700 | 6,875 | Drilling. |
| 10-2 | 25/30 | 70 | 1,700 | 7,317 | Drilling, Repair mud pump, Drilling. |
| 10-3 | 25/30 | 70 | 1,700 | 7,842 | Drilling. |
| 10-4 | 28 | 70 | 1,700 | 8,270 | Drilling. |
| 10-5 | 28 | 70 | 1,700 | 8,559 | Drilling. |
| 10-6 | 30 | 70 | 1,700 | 8,865 | Drilling. |
| 10-7 | 30 | 70 | 1,750 | 9,144 | Drilling. |
| 10-8 | 30 | 70 | 1,750 | 9,222 | Drilling, Lose Circulation, Drilling, Circulate for DST #2, Lose circulatio while circulating for DST, Pump down LCM, Full returns, Circulate for DST. |

WELL HISTORY (CONTINUED)

| | | | | | |
|---|---|---|---|---|---|
| 10-9 | -- | -- | -- | 9,271 | Circulate for DST, Trip in for DST. |
| 10-10 | -- | -- | -- | 9,271 | Run DST #2, T.O.H., T.I.H. w/NB#7. |
| 10-11 | 35 | 70 | 1,300 | 9,271 | Bit plugged, T.O.H., Work on mud pump, T.I.H., Drilling. |
| 10-12 | 35 | 70 | 1,300 | 9,358 | Drilling. |
| 10-13 | 35 | 70 | 1,300 | 9,493 | Drilling. |
| 10-14 | 35 | 70 | 1,300 | 9,650 | Drilling, T.D. at 6:00 A.M, Circulate for E-Logs, Trip for logs, (Strap pipe), SLM correction made to 9,682', Attempt to run E-Logs, (Logging tool stopped at 6,278'), Trip in to clean hole. |
| 10-15 | -- | -- | -- | 9,682 | Trip out for logs, Run E-Logs. |
| 10-16 | -- | -- | -- | 9,682 | Run E-Logs, Run 5½" casing. |

JS-164-A

D

COMPANY DAVIS OIL COMPANY WELL GOLD BAR UNIT #2 TEST NO. 2 COUNTY GRAND STATE UTAH

JOHNSTON-MACCO

Schlumberger

# technical report

FIELD REPORT #34124 E

# TEST TICKET DATA PRINTOUT

## WELL IDENTIFICATION

| | | |
|---|---|---|
| 1. | WELL | : GOLD BAR UNIT #2 |
| 2. | COMPANY | : DAVIS OIL COMPANY |
| 3. | | : 410 - 17TH STREET, SUITE 1400 |
| 4. | | : DENVER, COLORADO 80202 |
| 5. | CUSTOMER | : SAME |
| 6. | | : |
| 7. | | : |
| 8. | FIELD | : WILDCAT |
| 9. | COUNTY | : GRAND |
| 10. | STATE/PROV. | : UTAH |
| 11. | LOCATION | : SEC. 23, T25S R20E |
| 12. | TECHNICIAN | : ROSENBERG (VERNAL) |
| 13. | TEST APPROVED BY | : MR. ELMER COMBS |
| 14. | TEST DATE | : 10-10-81 |
| 15. | DEPTH REFERENCE | : KELLY BUSHING |
| 16. | DEPTH REFERENCE ELEVATION | : S.L. 4864. FT |

## HOLE INFORMATION

1. THE HOLE IS STRAIGHT.

| | | |
|---|---|---|
| 2. | TOTAL DEPTH | : 9271. FT |
| 3. | OPEN HOLE DIAMETER | : 8.75 IN |

## MUD INFORMATION

| | | |
|---|---|---|
| 1. | MUD TYPE | : SALT |
| 2. | MUD WEIGHT | : 10.2 LB/GAL |
| 3. | MUD VISCOSITY | : 38-42 MARSH FUNNEL SEC |
| 4. | CORRECTED WATER LOSS | : 10.0 CC/30 MIN |
| 5. | MUD RESISTIVITY | : 0.06 OHM-M |
| 6. | MUD RES. MEAS. TEMP. | : 70.0 DEG F |
| 7. | MUD FILTRATE RESISTIVITY | : 0.05 OHM-M |
| 8. | MUD FILT. RES. MEAS. TEMP. | : 70.0 DEG F |
| 9. | MUD CHLORIDES CONTENT | : 200500.0 PPM BY WEIGHT |

# * TEST TICKET DATA PRINTOUT *

## TEST INFORMATION

1. FIELD REPORT NUMBER : 34124E
2. TEST TYPE : M.F.E. OPEN HOLE
3. TEST NUMBER : 2
4. TELEFLOW IN USE ? : NO
5. SSDR OR J-300 IN USE ? : NO
6. SPRO IN USE ? : NO
7. PTSDL IN USE ? : NO

## TEST STRING INFORMATION

| # | COMPONENT NAME | EFFECTIVE I.D. (IN) | EFFECTIVE O.D. (IN) | FLOW PATH LENGTH (FT) | J/M CODE |
|---|---|---|---|---|---|
| 1 | DRILL PIPE | 3.80 | 4.50 | | |
| 2 | DRILL COLLARS | 2.25 | 6.75 | | |
| 3 | TEST TOOL STRING | 0.93 | 5.00 | 93. | |

## TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM
2. PACKER DEPTHS : 9223. FT & 9228. FT

## TEST ZONE DESCRIPTION

| | FORMATION NAME | TOP (FT) | BOTTOM (FT) | PRODUCTION ZONE THICKNESS (FT) | POROSITY (%) |
|---|---|---|---|---|---|
| 1 | LEADVILLE | | | 13. | 4. |

## TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.93 IN

# TEST TICKET DATA PRINTOUT

## TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : 94. PSIG
OIL GRAVITY : DEG. API @ DEG F
GAS/OIL RATIO : FT3/BBL
GAS/LIQUID RATIO : FT3/BBL

SAMPLE CHAMBER CONTENTS

| FLUID | VOLUME | | RESISTIVITY | CHLORIDES |
|---|---|---|---|---|
| GAS | | FT3 | | |
| OIL | | CC | | |
| WATER | 2250.0 | CC | 0.15 OHM-M @ 68.0 DEG F | 192000. PPM |
| MUD | | CC | OHM-M @ DEG F | |
| TOTAL LIQUID | 2250.0 | CC | | |

## RECOVERY INFORMATION

| | DESCRIPTION | FEET | % OIL | % H20 | OTH | API DEG. | API DEG.F | RESISTIVITY OHM-M | RESISTIVITY DEG.F | CHL PPM |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | VERY SLIGHTLY GAS CUT DRILLING MUD | 6532 | | | | | | 0.04 | 70 | 213000. |

## SURFACE INFORMATION

| | DESCRIPTION | TIME | PRESSURE | CHOKE SIZE |
|---|---|---|---|---|
| 1 | SET PACKER | 0521 | - | - |
| 2 | OPENED TOOL | 0523 | 1.5 OZ. | 1/8" |
| 3 | | 0537 | 12 LB. | " |
| 4 | | 0553 | 16 " | " |
| 5 | CLOSED FOR INITIAL SHUT-IN | 0609 | - | " |
| 6 | FINISHED SHUT-IN | 0739 | - | " |
| 7 | RE-OPENED TOOL | 0750 | 1.0 OZ. | " |
| 8 | | 0753 | 1.5 " | " |
| 9 | | 0754 | 1.5 " | " |
| 10 | SURFACE BUBBLES | 0755 | - | " |
| 11 | BLOW DIED | 0839 | - | " |
| 12 | SURFACE BUBBLES | 0908 | - | " |
| 13 | CLOSED FOR FINAL SHUT-IN | 0925 | - | " |
| 14 | FINISHED SHUT-IN | 1425 | - | " |
| 15 | PULLED PACKER LOOSE | 1450 | - | - |

**********
* TEST TICKET DATA PRINTOUT *
**********

| | DESCRIPTION | TIME | PRESSURE | CHOKE SIZE |
|---|---|---|---|---|
| 16 | STARTED REVERSING | 1540 | - | - |
| 17 | FINISHED REVERSING | 1630 | - | - |

REMARKS: EXCESSIVE MUD LOSS TO TEST INTERVAL
PRIOR TO D.S.T.

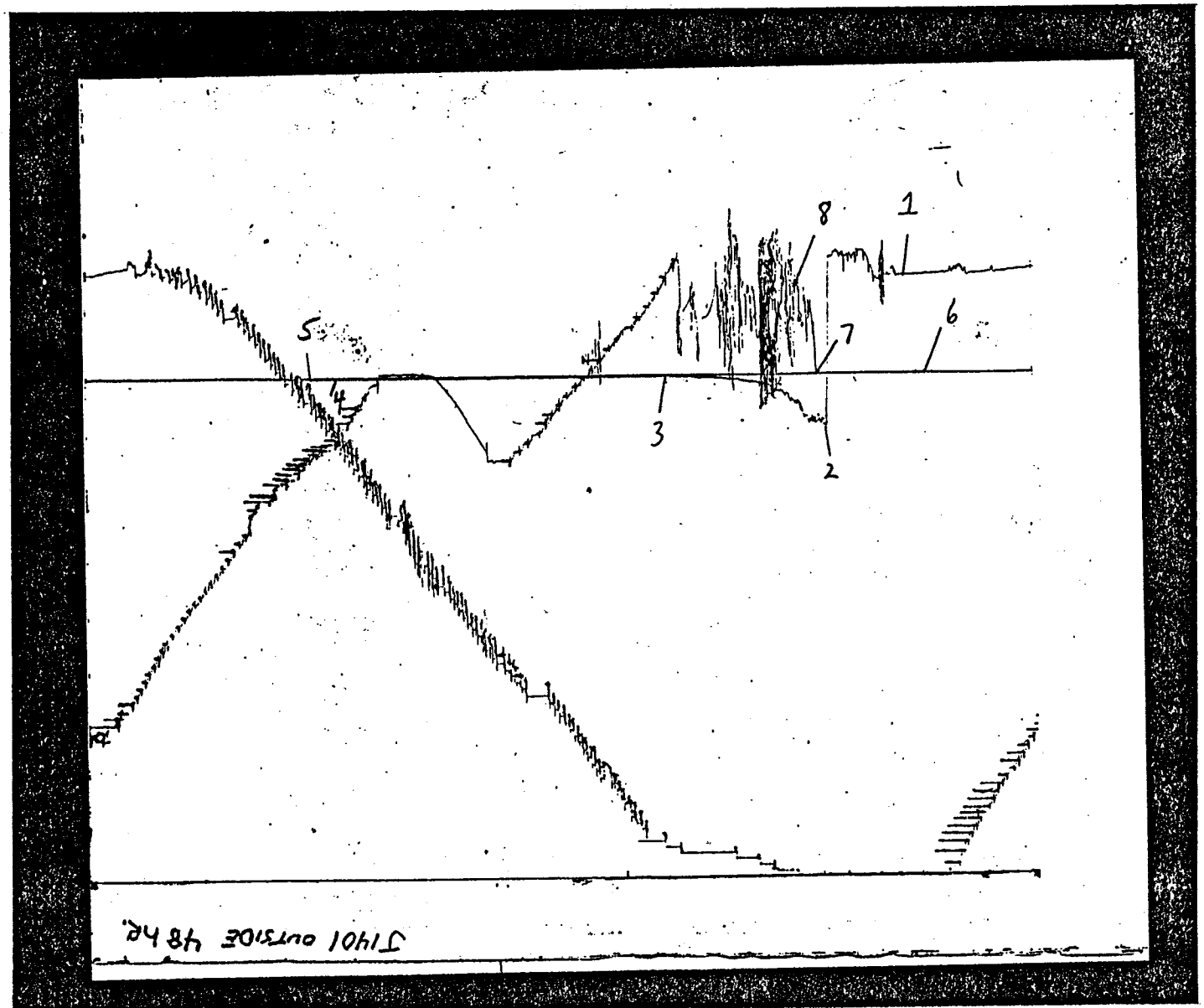
FIELD REPORT NO.: 34124 E

CAPACITY: - 6400#

INSTRUMENT NO.: J-1401

NUMBER OF REPORTS: 22

JOHNSTON
Schlumberger

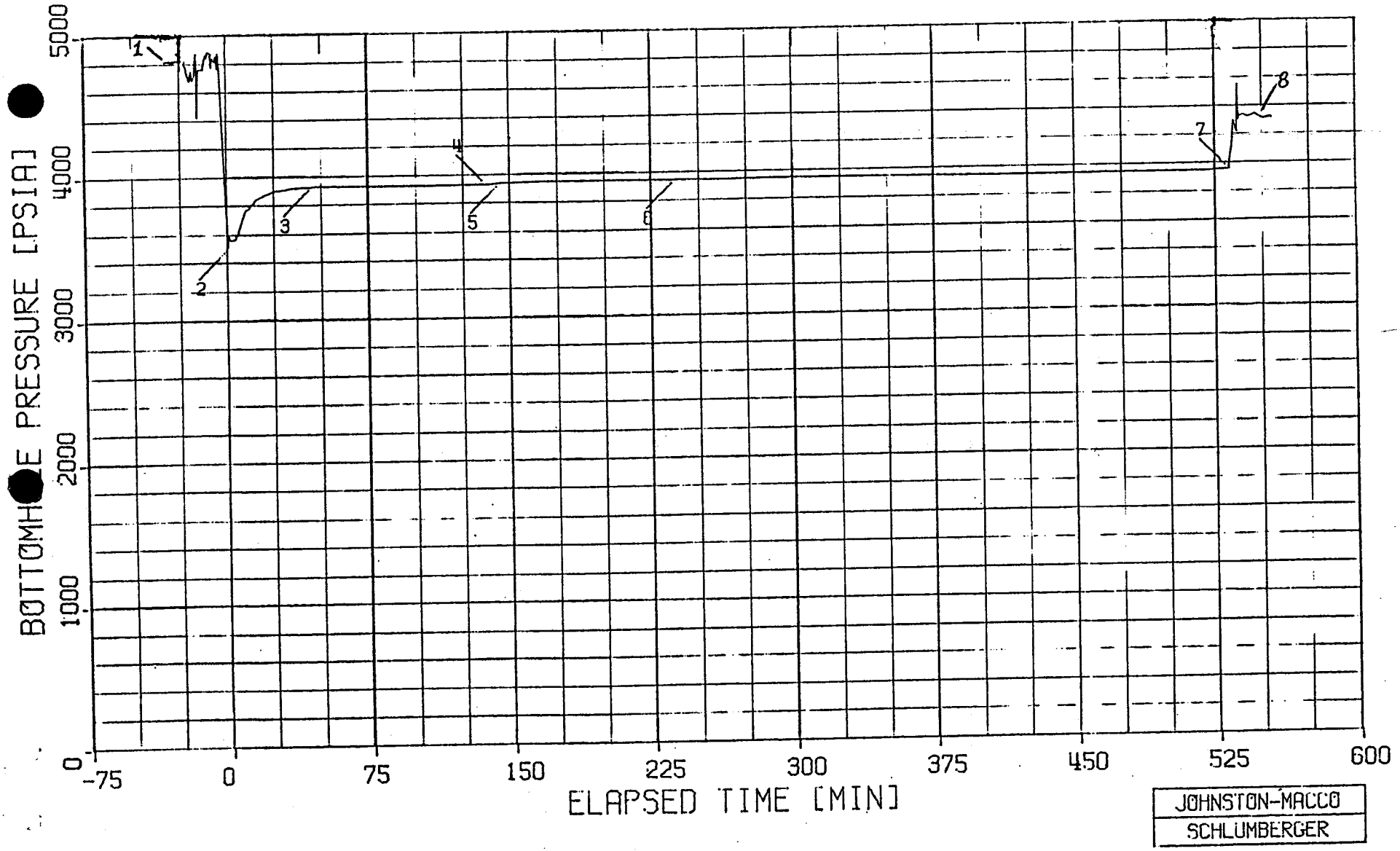



JS—167

# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 34124E
INSTRUMENT NO. J-1401
DEPTH : 9240 FT
CAPACITY : 6400 PSI
PORT OPENING : OUTSIDE

COMPANY : DAVIS OIL COMPANY
WELL : GOLD BAR UNIT #2



# WELL TEST DATA PRINTOUT

FIELD REPORT # : 34124E

COMPANY : DAVIS OIL COMPANY
WELL : GOLD BAR UNIT #2

INSTRUMENT # : J-1401
CAPACITY [PSI] : 6400.
DEPTH [FT] : 9240.0
PORT OPENING : OUTSIDE
TEMPERATURE [DEG F] : 140.0

## LABEL POINT INFORMATION

| # | TIME OF DAY HH:MM:SS | DATE DD-MM | EXPLANATION | ELAPSED TIME,MIN | BOT HOLE PRESSURE PSIA |
|---|---|---|---|---|---|
| 1 | 5: 0: 6 | 10-OC | HYDROSTATIC MUD | -22.90 | 4825.12 |
| 2 | 5:23: 0 | 10-OC | START FLOW | 0.00 | 3503.45 |
| 3 | 6: 8:10 | 10-OC | END FLOW & START SHUT-IN | 45.16 | 3933.14 |
| 4 | 7:39:59 | 10-OC | END SHUT-IN | 136.99 | 3933.14 |
| 5 | 7:47:29 | 10-OC | START FLOW | 144.48 | 3940.49 |
| 6 | 9:20:43 | 10-OC | END FLOW & START SHUT-IN | 237.72 | 3947.21 |
| 7 | 14:14:59 | 10-OC | END SHUT-IN | 531.98 | 3959.99 |
| 8 | 14:21:34 | 10-OC | HYDROSTATIC MUD | 538.56 | 4704.91 |

## SUMMARY OF FLOW PERIODS

| PERIOD | START ELAPSED TIME,MIN | END ELAPSED TIME,MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA |
|---|---|---|---|---|---|
| 1 | 0.00 | 45.16 | 45.16 | 3503.45 | 3933.14 |
| 2 | 144.48 | 237.72 | 93.24 | 3940.49 | 3947.21 |

## SUMMARY OF SHUTIN PERIODS

| PERIOD | START ELAPSED TIME,MIN | END ELAPSED TIME,MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA | FINAL FLOW PRESSURE PSIA | PRODUCING TIME, MIN |
|---|---|---|---|---|---|---|---|
| 1 | 45.16 | 136.99 | 91.83 | 3933.14 | 3933.14 | 3933.14 | 45.16 |
| 2 | 237.72 | 531.98 | 294.26 | 3947.21 | 3959.99 | 3947.21 | 138.40 |

TEST PHASE : FLOW PERIOD # 1

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA |
|---|---|---|---|---|
| 5:23: 0 | 10-OC | 0.00 | 0.00 | 3503.45 |
| 5:38: 0 | 10-OC | 15.00 | 15.00 | 3836.72 |
| 5:53: 0 | 10-OC | 30.00 | 30.00 | 3913.34 |
| 6: 8: 0 | 10-OC | 45.00 | 45.00 | 3932.54 |
| 6: 8:10 | 10-OC | 45.16 | 45.16 | 3933.14 |

TEST PHASE : SHUTIN PERIOD # 1
FINAL FLOW PRESSURE [PSIA] = 3933.14
PRODUCING TIME [MIN] = 45.16

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|---|---|---|---|---|---|---|
| 6: 8:10 | 10-OC | 45.16 | 0.00 | 3933.14 | 0.00 | |
| 6: 9:10 | 10-OC | 46.16 | 1.00 | 3933.14 | 0.00 | 1.664 |
| 6:10:10 | 10-OC | 47.16 | 2.00 | 3933.14 | 0.00 | 1.373 |
| 6:11:10 | 10-OC | 48.16 | 3.00 | 3933.14 | 0.00 | 1.206 |
| 6:12:10 | 10-OC | 49.16 | 4.00 | 3933.14 | 0.00 | 1.090 |
| 6:13:10 | 10-OC | 50.16 | 5.00 | 3933.14 | 0.00 | 1.001 |
| 6:14:10 | 10-OC | 51.16 | 6.00 | 3933.14 | 0.00 | 0.931 |
| 6:15:10 | 10-OC | 52.16 | 7.00 | 3933.14 | 0.00 | 0.872 |
| 6:16:10 | 10-OC | 53.16 | 8.00 | 3933.14 | 0.00 | 0.822 |
| 6:17:10 | 10-OC | 54.16 | 9.00 | 3933.14 | 0.00 | 0.779 |
| 6:18:10 | 10-OC | 55.16 | 10.00 | 3933.14 | 0.00 | 0.742 |
| 6:20:10 | 10-OC | 57.16 | 12.00 | 3933.14 | 0.00 | 0.678 |
| 6:22:10 | 10-OC | 59.16 | 14.00 | 3933.14 | 0.00 | 0.626 |
| 6:24:10 | 10-OC | 61.16 | 16.00 | 3933.14 | 0.00 | 0.582 |
| 6:26:10 | 10-OC | 63.16 | 18.00 | 3933.14 | 0.00 | 0.545 |
| 6:28:10 | 10-OC | 65.16 | 20.00 | 3933.14 | 0.00 | 0.513 |
| 6:30:10 | 10-OC | 67.16 | 22.00 | 3933.14 | 0.00 | 0.485 |
| 6:32:10 | 10-OC | 69.16 | 24.00 | 3933.14 | 0.00 | 0.460 |
| 6:34:10 | 10-OC | 71.16 | 26.00 | 3933.14 | 0.00 | 0.437 |
| 6:36:10 | 10-OC | 73.16 | 28.00 | 3933.14 | 0.00 | 0.417 |
| 6:38:10 | 10-OC | 75.16 | 30.00 | 3933.14 | 0.00 | 0.399 |
| 6:43:10 | 10-OC | 80.16 | 35.00 | 3933.14 | 0.00 | 0.360 |
| 6:48:10 | 10-OC | 85.16 | 40.00 | 3933.14 | 0.00 | 0.328 |
| 6:53:10 | 10-OC | 90.16 | 45.00 | 3933.14 | 0.00 | 0.302 |
| 6:58:10 | 10-OC | 95.16 | 50.00 | 3933.14 | 0.00 | 0.279 |
| 7: 3:10 | 10-OC | 100.16 | 55.00 | 3933.14 | 0.00 | 0.260 |
| 7: 8:10 | 10-OC | 105.16 | 60.00 | 3933.14 | 0.00 | 0.244 |
| 7:23:10 | 10-OC | 120.16 | 75.00 | 3933.14 | 0.00 | 0.205 |
| 7:38:10 | 10-OC | 135.16 | 90.00 | 3933.14 | 0.00 | 0.177 |
| 7:39:59 | 10-OC | 136.99 | 91.83 | 3933.14 | 0.00 | 0.174 |

TEST PHASE : FLOW PERIOD # 2

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA |
|---|---|---|---|---|
| 7:47:29 | 10-OC | 144.48 | 0.00 | 3940.49 |
| 8: 2:29 | 10-OC | 159.48 | 15.00 | 3943.42 |
| 8:17:29 | 10-OC | 174.48 | 30.00 | 3944.97 |
| 8:32:29 | 10-OC | 189.48 | 45.00 | 3944.97 |
| 8:47:29 | 10-OC | 204.48 | 60.00 | 3945.16 |
| 9: 2:29 | 10-OC | 219.48 | 75.00 | 3945.52 |
| 9:17:29 | 10-OC | 234.48 | 90.00 | 3945.87 |
| 9:20:43 | 10-OC | 237.72 | 93.24 | 3947.21 |

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 3947.21
PRODUCING TIME [MIN] = 138.40

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|---|---|---|---|---|---|---|
| 9:20:43 | 10-OC | 237.72 | 0.00 | 3947.21 | 0.00 | |
| 9:21:43 | 10-OC | 238.72 | 1.00 | 3947.21 | 0.00 | 2.144 |
| 9:22:43 | 10-OC | 239.72 | 2.00 | 3947.21 | 0.00 | 1.846 |
| 9:23:43 | 10-OC | 240.72 | 3.00 | 3947.21 | 0.00 | 1.673 |
| 9:24:43 | 10-OC | 241.72 | 4.00 | 3947.21 | 0.00 | 1.551 |
| 9:25:43 | 10-OC | 242.72 | 5.00 | 3947.21 | 0.00 | 1.458 |
| 9:26:43 | 10-OC | 243.72 | 6.00 | 3947.21 | 0.00 | 1.381 |
| 9:27:43 | 10-OC | 244.72 | 7.00 | 3947.21 | 0.00 | 1.317 |
| 9:28:43 | 10-OC | 245.72 | 8.00 | 3947.21 | 0.00 | 1.262 |
| 9:29:43 | 10-OC | 246.72 | 9.00 | 3947.21 | 0.00 | 1.214 |
| 9:30:43 | 10-OC | 247.72 | 10.00 | 3947.21 | 0.00 | 1.171 |
| 9:32:43 | 10-OC | 249.72 | 12.00 | 3947.21 | 0.00 | 1.098 |
| 9:34:43 | 10-OC | 251.72 | 14.00 | 3947.21 | 0.00 | 1.037 |
| 9:36:43 | 10-OC | 253.72 | 16.00 | 3947.21 | 0.00 | 0.985 |
| 9:38:43 | 10-OC | 255.72 | 18.00 | 3947.21 | 0.00 | 0.939 |
| 9:40:43 | 10-OC | 257.72 | 20.00 | 3947.21 | 0.00 | 0.899 |
| 9:42:43 | 10-OC | 259.72 | 22.00 | 3947.21 | 0.00 | 0.863 |
| 9:44:43 | 10-OC | 261.72 | 24.00 | 3947.33 | 0.12 | 0.830 |
| 9:46:43 | 10-OC | 263.72 | 26.00 | 3947.54 | 0.33 | 0.801 |
| 9:48:43 | 10-OC | 265.72 | 28.00 | 3947.75 | 0.54 | 0.774 |
| 9:50:43 | 10-OC | 267.72 | 30.00 | 3947.96 | 0.75 | 0.749 |
| 9:55:43 | 10-OC | 272.72 | 35.00 | 3948.48 | 1.27 | 0.695 |
| 10: 0:43 | 10-OC | 277.72 | 40.00 | 3949.01 | 1.80 | 0.649 |
| 10: 5:43 | 10-OC | 282.72 | 45.00 | 3949.54 | 2.33 | 0.610 |
| 10:10:43 | 10-OC | 287.72 | 50.00 | 3950.06 | 2.85 | 0.576 |
| 10:15:43 | 10-OC | 292.72 | 55.00 | 3950.59 | 3.38 | 0.546 |
| 10:20:43 | 10-OC | 297.72 | 60.00 | 3950.72 | 3.51 | 0.519 |
| 10:35:43 | 10-OC | 312.72 | 75.00 | 3950.72 | 3.51 | 0.454 |
| 10:50:43 | 10-OC | 327.72 | 90.00 | 3950.72 | 3.51 | 0.404 |
| 11: 5:43 | 10-OC | 342.72 | 105.00 | 3950.72 | 3.51 | 0.365 |

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 3947.21
PRODUCING TIME [MIN] = 138.40

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|---|---|---|---|---|---|---|
| 11:20:43 | 10-0C | 357.72 | 120.00 | 3950.72 | 3.51 | 0.333 |
| 11:35:43 | 10-0C | 372.72 | 135.00 | 3950.72 | 3.51 | 0.306 |
| 11:50:43 | 10-0C | 387.72 | 150.00 | 3950.72 | 3.51 | 0.284 |
| 12: 5:43 | 10-0C | 402.72 | 165.00 | 3950.72 | 3.51 | 0.265 |
| 12:20:43 | 10-0C | 417.72 | 180.00 | 3950.72 | 3.51 | 0.248 |
| 12:35:43 | 10-0C | 432.72 | 195.00 | 3950.72 | 3.51 | 0.233 |
| 12:50:43 | 10-0C | 447.72 | 210.00 | 3950.72 | 3.51 | 0.220 |
| 13: 5:43 | 10-0C | 462.72 | 225.00 | 3950.72 | 3.51 | 0.208 |
| 13:20:43 | 10-0C | 477.72 | 240.00 | 3950.72 | 3.51 | 0.198 |
| 13:35:43 | 10-0C | 492.72 | 255.00 | 3950.72 | 3.51 | 0.188 |
| 13:50:43 | 10-0C | 507.72 | 270.00 | 3950.72 | 3.51 | 0.180 |
| 14: 5:43 | 10-0C | 522.72 | 285.00 | 3954.07 | 6.86 | 0.172 |
| 14:14:59 | 10-0C | 531.98 | 294.26 | 3959.99 | 12.78 | 0.167 |

JS-164-A

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DIVISION OF
OIL, GAS & MINING

JOHNSTON-MACCO

Schlumberger

# technical report

FIELD REPORT #30543 D

COMPANY DAVIS OIL COMPANY WELL GOLD BAR UNIT #2 TEST NO. 1 COUNTY GRAND STATE UTAH

# TEST TICKET DATA PRINTOUT

## WELL IDENTIFICATION

| | | |
|---|---|---|
| 1. | WELL | : GOLD BAR UNIT #2 |
| 2. | COMPANY | : DAVIS OIL COMPANY |
| 3. | | : 230 W. NORTH STREET |
| 4. | | : CORTEZ, COLORADO 80321 |
| 5. | CUSTOMER | : SAME |
| 6. | | : |
| 7. | | : |
| 8. | FIELD | : WILDCAT |
| 9. | COUNTY | : GRAND |
| 10. | STATE/PROV. | : UTAH |
| 11. | LOCATION | : SEC. 23, T25S R20E |
| 12. | TECHNICIAN | : TORGENSON (VERNAL) |
| 13. | TEST APPROVED BY | : MR. LEO L. LEWIS |
| 14. | TEST DATE | : 9-29-81 |
| 15. | DEPTH REFERENCE | : KELLY BUSHING |
| 16. | DEPTH REFERENCE ELEVATION | : S.L. 4864. FT |

## HOLE INFORMATION

1. THE HOLE IS STRAIGHT.

| | | |
|---|---|---|
| 2. | TOTAL DEPTH | : 6669. FT |
| 3. | OPEN HOLE DIAMETER | : 8.75 IN |

## MUD INFORMATION

| | | |
|---|---|---|
| 1. | MUD TYPE | : TYPE-SALT |
| 2. | MUD WEIGHT | : 10.2 LB/GAL |
| 3. | MUD VISCOSITY | : 40. MARSH FUNNEL SEC |
| 4. | CORRECTED WATER LOSS | : 10.0 CC/30 MIN |
| 5. | MUD RESISTIVITY | : 0.04 OHM-M |
| 6. | MUD RES. MEAS. TEMP. | : 70.0 DEG F |
| 7. | MUD FILTRATE RESISTIVITY | : 0.05 OHM-M |
| 8. | MUD FILT. RES. MEAS. TEMP. | : 64.0 DEG F |
| 9. | MUD CHLORIDES CONTENT | : 279000.0 PPM BY WEIGHT |

```
****************************
* TEST TICKET DATA PRINTOUT *
****************************
```

## TEST INFORMATION

1. FIELD REPORT NUMBER : 30543D
2. TEST TYPE : M.F.E. OPEN HOLE INFLATABLES
3. TEST NUMBER : 1
4. TELEFLOW IN USE ? : NO
5. SSDR OR J-300 IN USE ? : NO
6. SPRO IN USE ? : NO
7. PTSDL IN USE ? : NO

## TEST STRING INFORMATION

| # | COMPONENT NAME | EFFECTIVE I.D. (IN) | EFFECTIVE O.D. (IN) | FLOW PATH LENGTH (FT) | J/M CODE |
|---|---|---|---|---|---|
| 1 | DRILL PIPE | 3.80 | 4.50 | 6019. | |
| 2 | DRILL COLLARS | 2.25 | 6.50 | 526. | |
| 3 | TEST TOOL STRING | 0.93 | 5.00 | 124. | |

## TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM
2. PACKER DEPTH : 6582. FT

## TEST ZONE DESCRIPTION

| | FORMATION NAME | TOP (FT) | BOTTOM (FT) | PRODUCTION ZONE THICKNESS (FT) | POROSITY (%) |
|---|---|---|---|---|---|
| 1 | PARADOX SALT | | | 30. | |

## TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.93 IN

# * TEST TICKET DATA PRINTOUT *

## TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : 35. PSIG
OIL GRAVITY : 42.9 DEG. API @ 60.0 DEG F
GAS/OIL RATIO : 87. FT3/BBL
GAS/LIQUID RATIO : FT3/BBL

SAMPLE CHAMBER CONTENTS

| FLUID | VOLUME | RESISTIVITY | CHLORIDES |
|---|---|---|---|
| GAS | 0.49 FT3 | | |
| OIL | 900.0 CC | | |
| WATER | CC | OHM-M @ DEG F | |
| MUD | 550.0 CC | OHM-M @ DEG F | |
| TOTAL LIQUID | 1450.0 CC | | |

## RECOVERY INFORMATION

| | DESCRIPTION | FEET | % OIL | % H2O | % OTH | API DEG. | API DEG.F | RESISTIVITY OHM-M | RESISTIVITY DEG.F | CHL PPM |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | OIL & GAS CUT DRILLING MUD | 225 | 10 | 50 | 40 | 42.9 | 60 | | | |

## SURFACE INFORMATION

| | DESCRIPTION | TIME | PRESSURE | CHOKE SIZE |
|---|---|---|---|---|
| 1 | SET PACKER (9-29-81) | 2309 | - | - |
| 2 | OPENED TOOL | 2321 | - | 1/8" |
| 3 | BLOW TO BOTTOM OF BUCKET | | - | " |
| 4 | | 2322 | 1.5 | " |
| 5 | | 2347 | 2 | " |
| 6 | CLOSED FOR INITIAL SHUT-IN | 2353 | - | " |
| 7 | FINISHED SHUT-IN (9-30-81) | 0122 | - | " |
| 8 | RE-OPENED TOOL | 0127 | - | " |
| 9 | | 0130 | 1.5 | " |
| 10 | | 0150 | 1.5 | " |
| 11 | | 0210 | 1.5 | " |
| 12 | | 0220 | 1 | " |
| 13 | | 0250 | 1 | " |
| 14 | | 0300 | 1 | " |
| 15 | END FLOW | 0800 | - | " |
| 16 | PULLED PACKER LOOSE | 0805 | - | - |

FIELD REPORT NO. 30543D

FIELD REPORT NO.: 30543 D

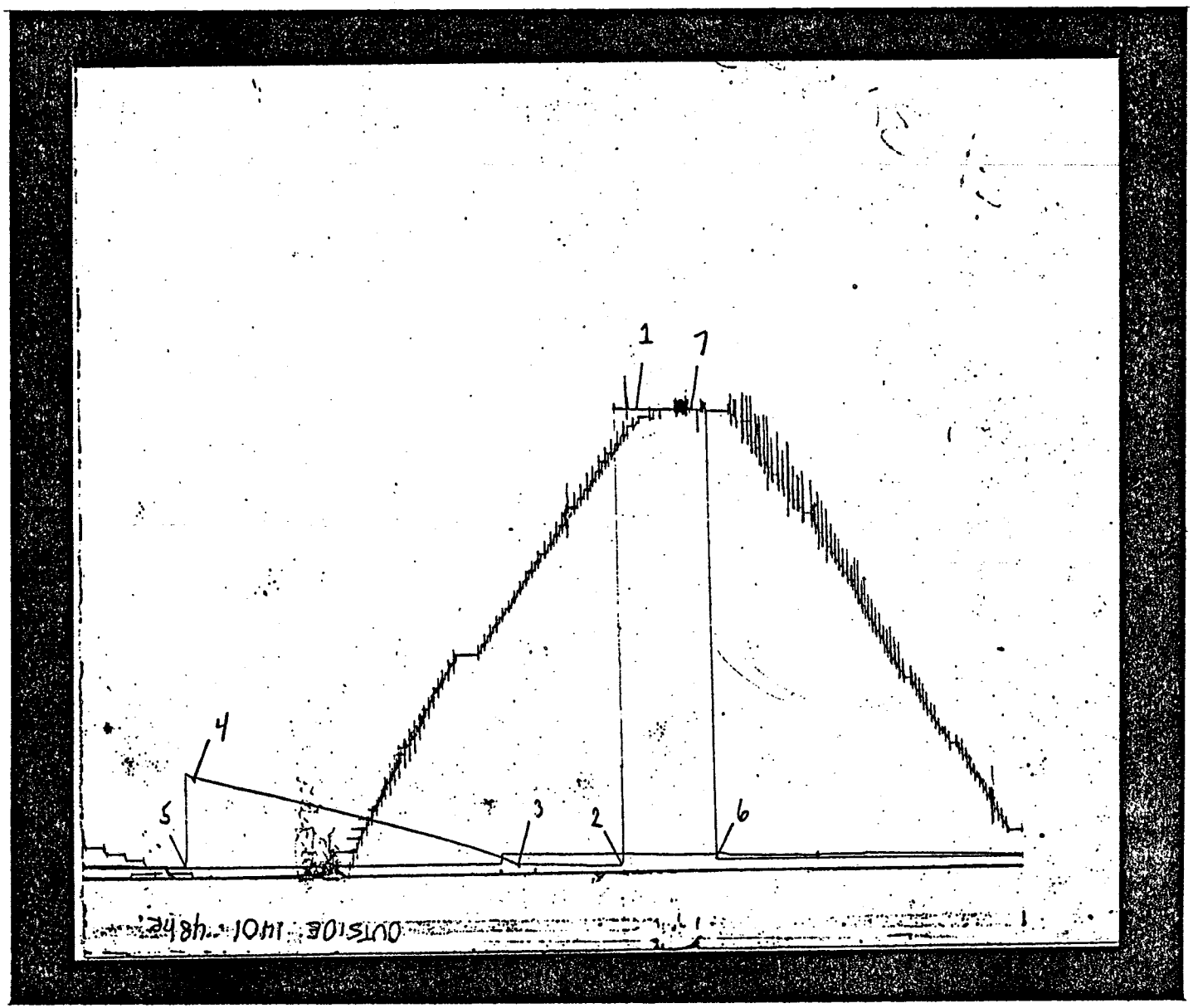
CAPACITY: 6400#

INSTRUMENT NO.: J-1401

NUMBER OF REPORTS: 22

JOHNSTON Schlumberger

NO FINAL SHUT-IN OBTAINED

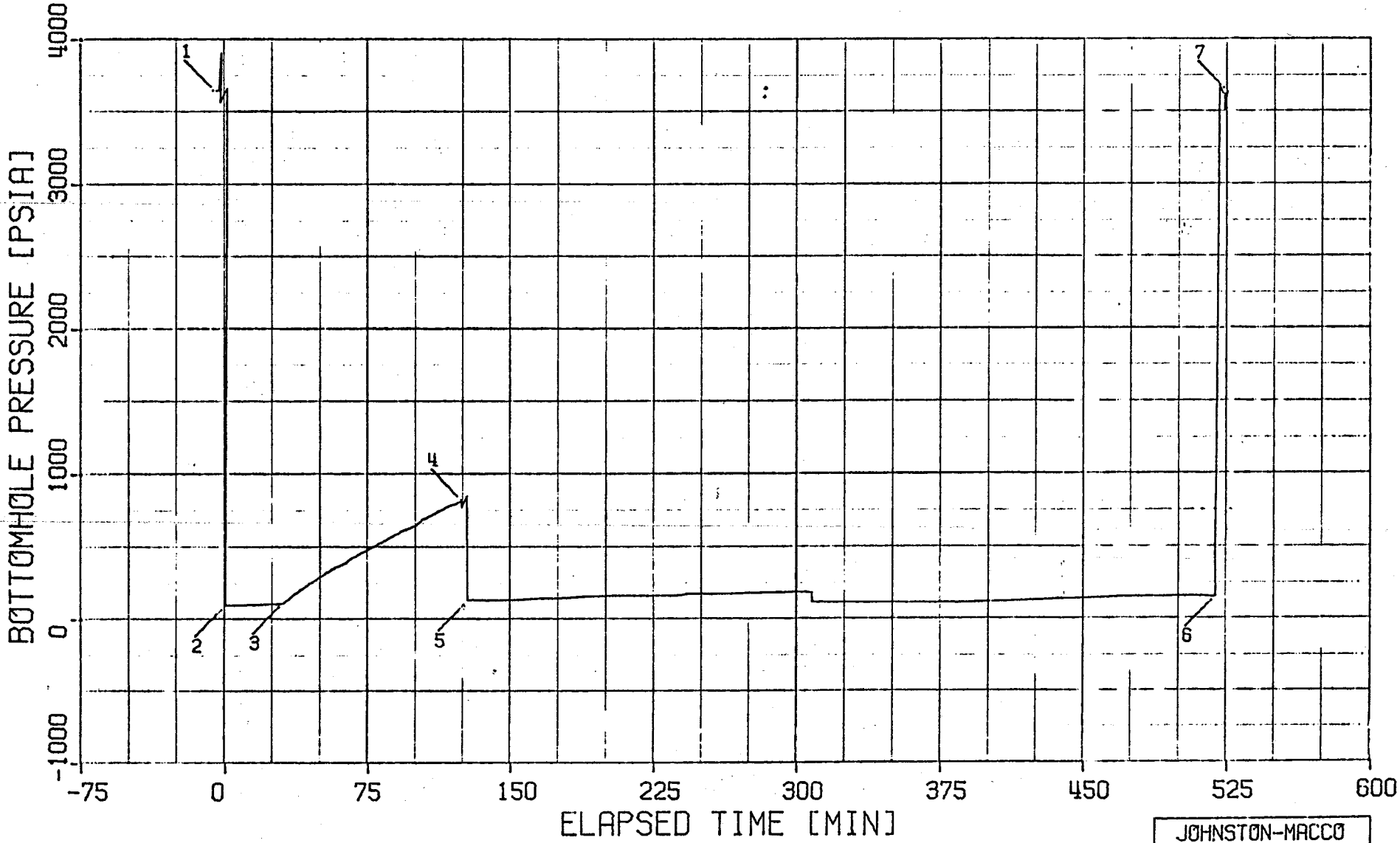



JS—167

# BØTTØMHØLE PRESSURE LØG

FIELD REPØRT NØ. 30543D
INSTRUMENT NØ. J-1401
DEPTH : 6595 FT
CAPACITY : 6400 PSI
PØRT ØPENING : ØUTSIDE

CØMPANY : DAVIS ØIL CØMPANY
WELL : GØLD BAR UNIT #2




JØHNSTØN-MACCØ
SCHLUMBERGER

# WELL TEST DATA PRINTOUT

FIELD REPORT # : 30543D

COMPANY : DAVIS OIL COMPANY
WELL : GOLD BAR UNIT #2

INSTRUMENT # : J-1401
CAPACITY [PSI] : 6400.
DEPTH [FT] : 6595.0
PORT OPENING : OUTSIDE
TEMPERATURE [DEG F] : 117.0

## LABEL POINT INFORMATION

| # | TIME OF DAY HH:MM:SS | DATE DD-MM | EXPLANATION | ELAPSED TIME,MIN | BOT HOLE PRESSURE PSIA |
|---|---|---|---|---|---|
| 1 | 23:15:31 | 29-SP | HYDROSTATIC MUD | -5.48 | 3649.15 |
| 2 | 23:21: 0 | 29-SP | START FLOW | 0.00 | 94.47 |
| 3 | 23:51:11 | 29-SP | END FLOW & START SHUT-IN | 30.18 | 112.62 |
| 4 | 1:24:46 | 30-SP | END SHUT-IN | 123.76 | 825.85 |
| 5 | 1:28:18 | 30-SP | START FLOW | 127.30 | 126.94 |
| 6 | 8: 0: 1 | 30-SP | END FLOW | 519.02 | 153.05 |
| 7 | 8: 5:59 | 30-SP | HYDROSTATIC MUD | 524.99 | 3635.14 |

## SUMMARY OF FLOW PERIODS

| PERIOD | START ELAPSED TIME,MIN | END ELAPSED TIME,MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA |
|---|---|---|---|---|---|
| 1 | 0.00 | 30.18 | 30.18 | 94.47 | 112.62 |
| 2 | 127.30 | 519.02 | 391.72 | 126.94 | 153.05 |

## SUMMARY OF SHUTIN PERIODS

| PERIOD | START ELAPSED TIME,MIN | END ELAPSED TIME,MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA | FINAL FLOW PRESSURE PSIA | PRODUCING TIME, MIN |
|---|---|---|---|---|---|---|---|
| 1 | 30.18 | 123.76 | 93.58 | 112.62 | 825.85 | 112.62 | 30.18 |

TEST PHASE : FLOW PERIOD # 1

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA |
|---|---|---|---|---|
| 23:21: 0 | 29-SP | 0.00 | 0.00 | 94.47 |
| 23:26: 0 | 29-SP | 5.00 | 5.00 | 96.56 |
| 23:31: 0 | 29-SP | 10.00 | 10.00 | 98.66 |
| 23:36: 0 | 29-SP | 15.00 | 15.00 | 100.75 |
| 23:41: 0 | 29-SP | 20.00 | 20.00 | 102.84 |
| 23:46: 0 | 29-SP | 25.00 | 25.00 | 104.94 |
| 23:51: 0 | 29-SP | 30.00 | 30.00 | 111.77 |
| 23:51:11 | 29-SP | 30.18 | 30.18 | 112.62 |

TEST PHASE : SHUTIN PERIOD # 1
FINAL FLOW PRESSURE [PSIA] = 112.62
PRODUCING TIME [MIN] = 30.18

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|---|---|---|---|---|---|---|
| 23:51:11 | 29-SP | 30.18 | 0.00 | 112.62 | 0.00 | |
| 23:52:11 | 29-SP | 31.18 | 1.00 | 120.71 | 8.09 | 1.494 |
| 23:53:11 | 29-SP | 32.18 | 2.00 | 128.80 | 16.18 | 1.207 |
| 23:54:11 | 29-SP | 33.18 | 3.00 | 136.93 | 24.31 | 1.044 |
| 23:55:11 | 29-SP | 34.18 | 4.00 | 148.71 | 36.09 | 0.932 |
| 23:56:11 | 29-SP | 35.18 | 5.00 | 160.49 | 47.87 | 0.847 |
| 23:57:11 | 29-SP | 36.18 | 6.00 | 170.74 | 58.12 | 0.780 |
| 23:58:11 | 29-SP | 37.18 | 7.00 | 180.66 | 68.04 | 0.725 |
| 23:59:11 | 29-SP | 38.18 | 8.00 | 190.58 | 77.96 | 0.679 |
| 0: 0:11 | 30-SP | 39.18 | 9.00 | 200.50 | 87.88 | 0.639 |
| 0: 1:11 | 30-SP | 40.18 | 10.00 | 210.03 | 97.41 | 0.604 |
| 0: 3:11 | 30-SP | 42.18 | 12.00 | 228.95 | 116.33 | 0.546 |
| 0: 5:11 | 30-SP | 44.18 | 14.00 | 247.70 | 135.08 | 0.499 |
| 0: 7:11 | 30-SP | 46.18 | 16.00 | 264.53 | 151.91 | 0.460 |
| 0: 9:11 | 30-SP | 48.18 | 18.00 | 281.37 | 168.75 | 0.428 |
| 0:11:11 | 30-SP | 50.18 | 20.00 | 298.20 | 185.58 | 0.400 |
| 0:13:11 | 30-SP | 52.18 | 22.00 | 315.03 | 202.41 | 0.375 |
| 0:15:11 | 30-SP | 54.18 | 24.00 | 331.31 | 218.69 | 0.354 |
| 0:17:11 | 30-SP | 56.18 | 26.00 | 347.39 | 234.77 | 0.335 |
| 0:19:11 | 30-SP | 58.18 | 28.00 | 360.74 | 248.12 | 0.318 |
| 0:21:11 | 30-SP | 60.18 | 30.00 | 372.76 | 260.14 | 0.302 |
| 0:26:11 | 30-SP | 65.18 | 35.00 | 411.70 | 299.08 | 0.270 |
| 0:31:11 | 30-SP | 70.18 | 40.00 | 449.50 | 336.88 | 0.244 |
| 0:36:11 | 30-SP | 75.18 | 45.00 | 484.17 | 371.55 | 0.223 |
| 0:41:11 | 30-SP | 80.18 | 50.00 | 519.97 | 407.35 | 0.205 |
| 0:46:11 | 30-SP | 85.18 | 55.00 | 555.50 | 442.88 | 0.190 |
| 0:51:11 | 30-SP | 90.18 | 60.00 | 591.88 | 479.26 | 0.177 |
| 1: 6:11 | 30-SP | 105.18 | 75.00 | 692.94 | 580.32 | 0.147 |
| 1:21:11 | 30-SP | 120.18 | 90.00 | 791.42 | 678.80 | 0.126 |
| 1:24:46 | 30-SP | 123.76 | 93.58 | 825.85 | 713.23 | 0.121 |

TEST PHASE : FLOW PERIOD # 2

| TIME OF DAY HH:MM:SS | DATE DD-MM | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA |
|---|---|---|---|---|
| 1:28:18 | 30-SP | 127.30 | 0.00 | 126.94 |
| 1:43:18 | 30-SP | 142.30 | 15.00 | 127.47 |
| 1:58:18 | 30-SP | 157.30 | 30.00 | 133.27 |
| 2:13:18 | 30-SP | 172.30 | 45.00 | 141.08 |
| 2:28:18 | 30-SP | 187.30 | 60.00 | 151.07 |
| 2:43:18 | 30-SP | 202.30 | 75.00 | 157.83 |
| 2:58:18 | 30-SP | 217.30 | 90.00 | 157.83 |
| 3:13:18 | 30-SP | 232.30 | 105.00 | 157.83 |
| 3:28:18 | 30-SP | 247.30 | 120.00 | 171.20 |
| 3:43:18 | 30-SP | 262.30 | 135.00 | 172.45 |
| 3:58:18 | 30-SP | 277.30 | 150.00 | 179.95 |
| 4:13:18 | 30-SP | 292.30 | 165.00 | 183.43 |
| 4:28:18 | 30-SP | 307.30 | 180.00 | 181.70 |
| 4:43:18 | 30-SP | 322.30 | 195.00 | 114.21 |
| 4:58:18 | 30-SP | 337.30 | 210.00 | 114.21 |
| 5:13:18 | 30-SP | 352.30 | 225.00 | 114.21 |
| 5:28:18 | 30-SP | 367.30 | 240.00 | 114.21 |
| 5:43:18 | 30-SP | 382.30 | 255.00 | 114.21 |
| 5:58:18 | 30-SP | 397.30 | 270.00 | 120.45 |
| 6:13:18 | 30-SP | 412.30 | 285.00 | 127.44 |
| 6:28:18 | 30-SP | 427.30 | 300.00 | 134.56 |
| 6:43:18 | 30-SP | 442.30 | 315.00 | 141.92 |
| 6:58:18 | 30-SP | 457.30 | 330.00 | 148.83 |
| 7:13:18 | 30-SP | 472.30 | 345.00 | 155.64 |
| 7:28:18 | 30-SP | 487.30 | 360.00 | 157.51 |
| 7:43:18 | 30-SP | 502.30 | 375.00 | 159.10 |
| 7:58:18 | 30-SP | 517.30 | 390.00 | 153.99 |
| 8: 0: 1 | 30-SP | 519.02 | 391.72 | 153.05 |

# MUD RECORD

MUDDED UP AT 4960 ON 9/25/81

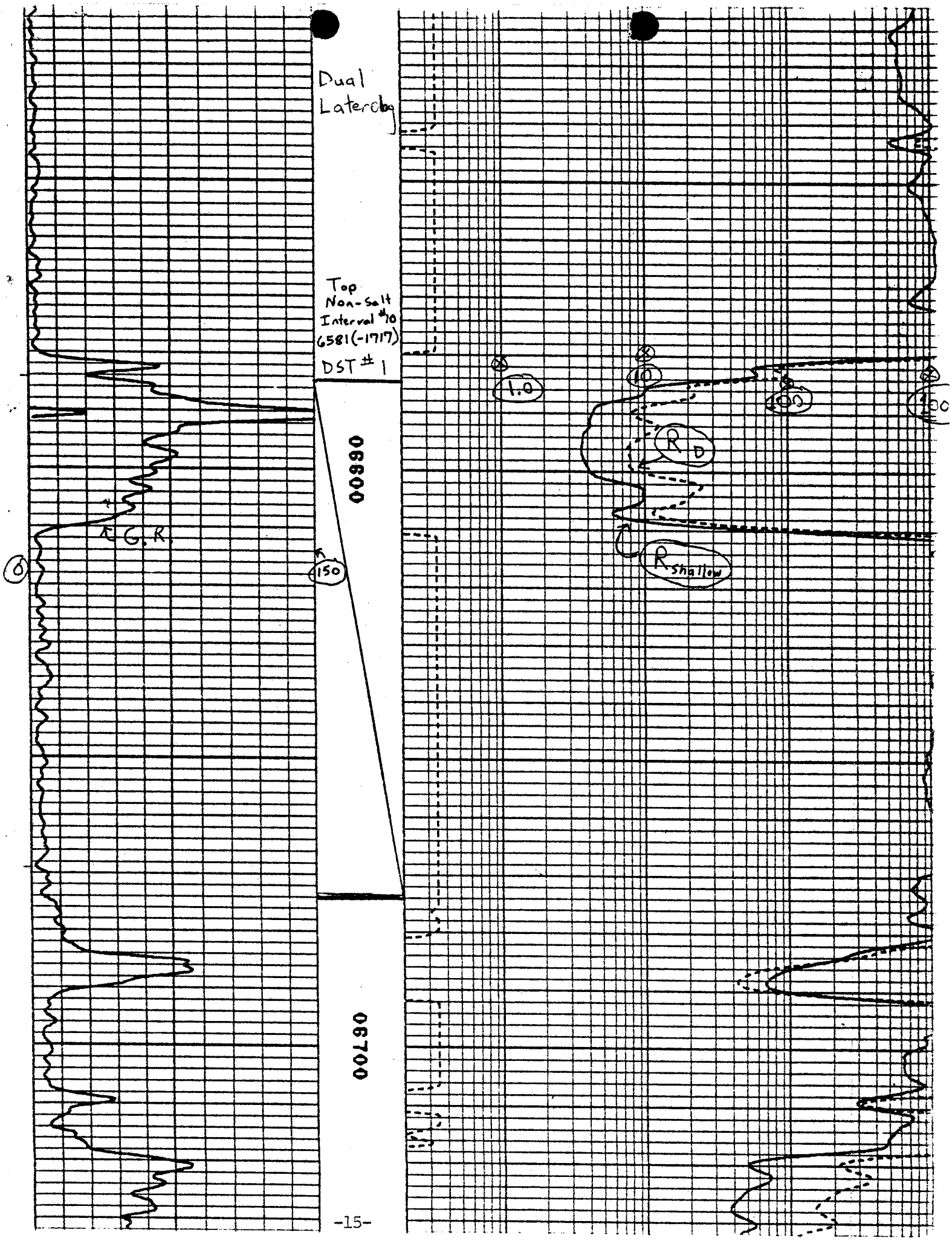
| 1981 DATE | DEPTH | WT. | F.VIS. | P.VIS. | YIELD | GEL STRNT | PH | FILTR | CK. | ALKA. | SALT | CHLO | CALCIUM | GYP / SAND | SOLID/%WTR. | CUMULATIVE COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/25 | 4960 | 9.9 | 36 | 8 | 3 | 1/– | 6.0 | 8.0 | 1/32 | .0/.1 | — | 168K | 3800 | Tr | 1%/99% | 4508 |
| 9/26 | 5297 | 10.1 | 40 | 11 | 13 | 6/10 | 6.0 | 12.4 | 2/32 | .0/.15 | — | 170K | 3600 | Tr | 3%/97% | 7311 |
| 9/27 | 5787 | 10.1 | 40 | 12 | 13 | 4/– | 6.0 | 9.6 | 1/32 | .0/.2 | — | 167K | 4000 | Tr | 2%/98% | 9604 |
| 9/28 | 6323 | 10.2 | 38 | 11 | 9 | 4/12 | 6.0 | 7.6 | 1/32 | .0/.27 | — | 165K | 4000 | Tr | 4%/96% | 10,82[illegible] |
| 9/29 | 6669 | 10.2 | 40 | 12 | 8 | 4/9 | 6.0 | 4.8 | 1/32 | .0/.27 | — | 163K | 4000 | 1% | 4%/95% | 12,319 |
| 9/30 | 6669 | 10.2 | 40 | 13 | 10 | 3/– | 6.0 | 10.4 | 1/32 | .0/.32 | — | 163K | 3800 | Tr | 4%/96% | 13,644 |
| 10/1 | 6970 | 10.3 | 37 | 10 | 7 | 3/7 | 6.0 | 8.0 | 1/32 | .0/.3 | — | 169K | 3800 | 1% | 5%/95% | 13,644 |
| 10/2 | 7469 | 10.3 | 36 | 10 | 6 | 3/7 | 6.2 | 8.8 | 1/32 | .0/.32 | — | 172K | 4100 | 1% | 5%/95% | 14,006 |
| 10/3 | 7922 | 10.3 | 42 | 12 | 8 | 2/6 | 6.8 | 11.6 | 2/32 | .1/.5 | — | 165K | 4000 | Tr | 7.8/92.2 | 14,942 |
| 10/4 | 8318 | 10.2 | 41 | 12 | 11 | 4/9 | 6.2 | 10.0 | 2/32 | .0/.37 | — | 165K | 3800 | 1% | 6%/92 | 16,152 |
| 10/5 | 8709 | 10.2 | 39 | 12 | 6 | 4/9 | 6.6 | 10.4 | 1/32 | .0/.37 | — | 167K | 3800 | Tr | 5%/95 | 16,989 |
| 10/6 | 9060 | 10.2 | 41 | 13 | 10 | 3/9 | 6.2 | 10.8 | 1/32 | .0/.45 | — | 170K | 3900 | 1% | 5%/95% | 17,88[illegible] |
| 10/7 | 9170 | 10.2 | 42 | 15 | 12 | 4/9 | 6.0 | 8.8 | 1/32 | .0/.47 | — | 172K | 4000 | 1% | 5%/95% | 19,016 |
| 10/8 | 9260 | 10.2 | 46 | 18 | 11 | 4/11 | 6.0 | 8.0 | 1/32 | .0/.5 | — | 168K | 4000 | 1½% | 6%/94% | 20,296 |
| 10/9 | 9271 | 10.1 | 48 | 17 | 16 | 5/14 | 6.0 | 10.0 | 1/32 | .0/.2 | — | 170K | 4000 | Tr | 5%/95% | 28,421 |
| 10/10 | 9271 | 10.1 | 40 | 12 | 8 | 2/5 | 6.8 | 11 | 1/32 | .0/.3 | — | 168K | 4100 | Tr | 5%/95% | 28,421 |
| 10/11 | 9276 | 10.2 | 46 | 14 | 8 | 2/4 | 6.8 | 6 | 1/32 | .0/.3 | — | 170K | 4000 | Tr | 6%/94% | 36,539 |
| 10/12 | 9387 | 10.1 | 44 | 16 | 14 | 4/7 | 6.8 | 9.8 | 1/32 | .0/.2 | — | 171K | 3900 | Tr | 5%/95% | 41,468 |
| 10/13 | 9552 | 10.2 | 45 | 18 | 15 | 5/12 | 6.0 | 11.2 | 1/32 | .0/.2 | — | 170K | 4600 | 1½% | 5%/95% | 42,978 |
| 10/14 | 9650 | 10.2 | 45 | 15 | 12 | 4/[illegible] | 6.0 | 10.0 | 1/32 | .0/.24 | — | 170K | 4400 | 1% | 5%/95 | 43,745 |

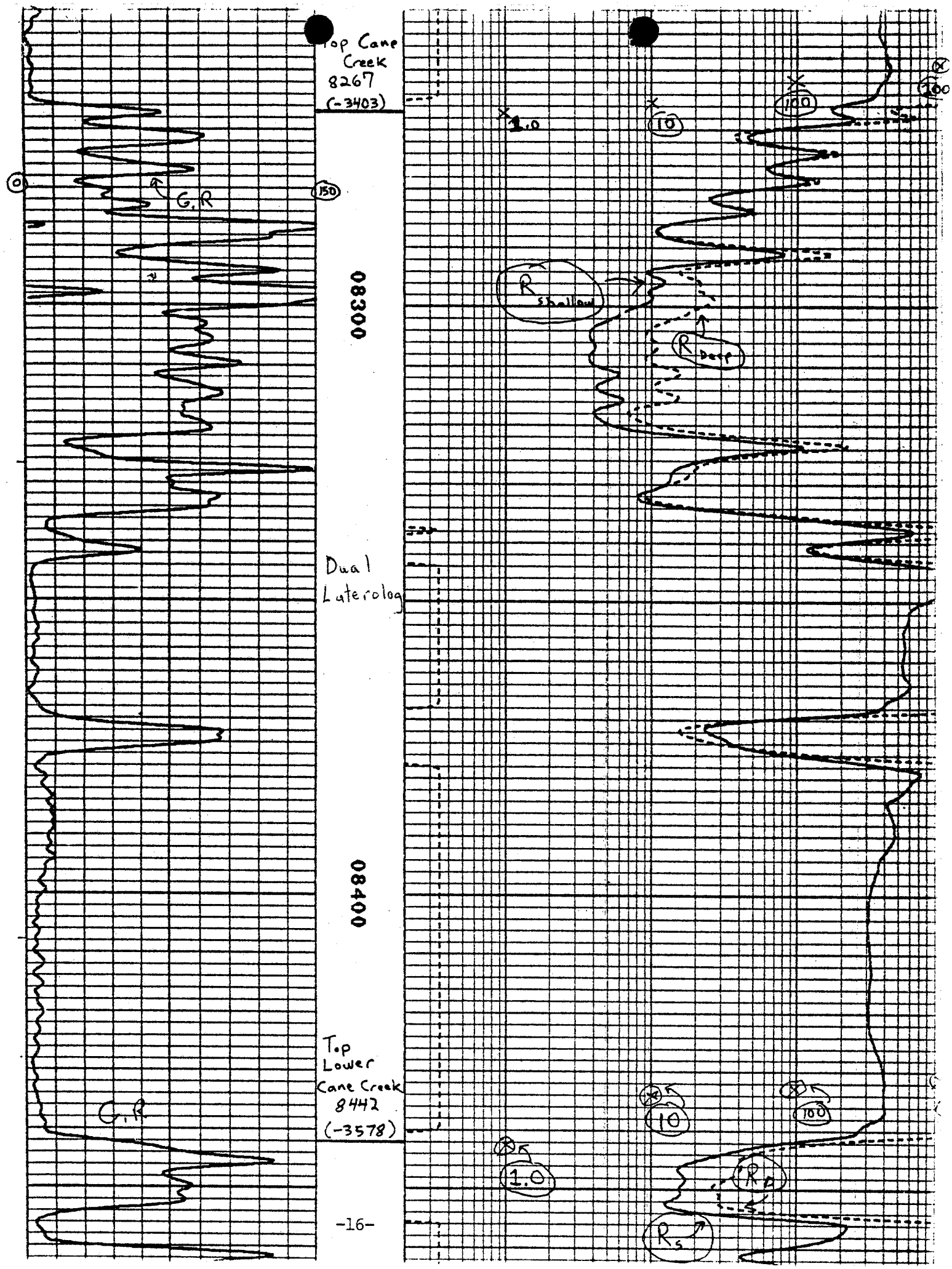
## BIT RECORD

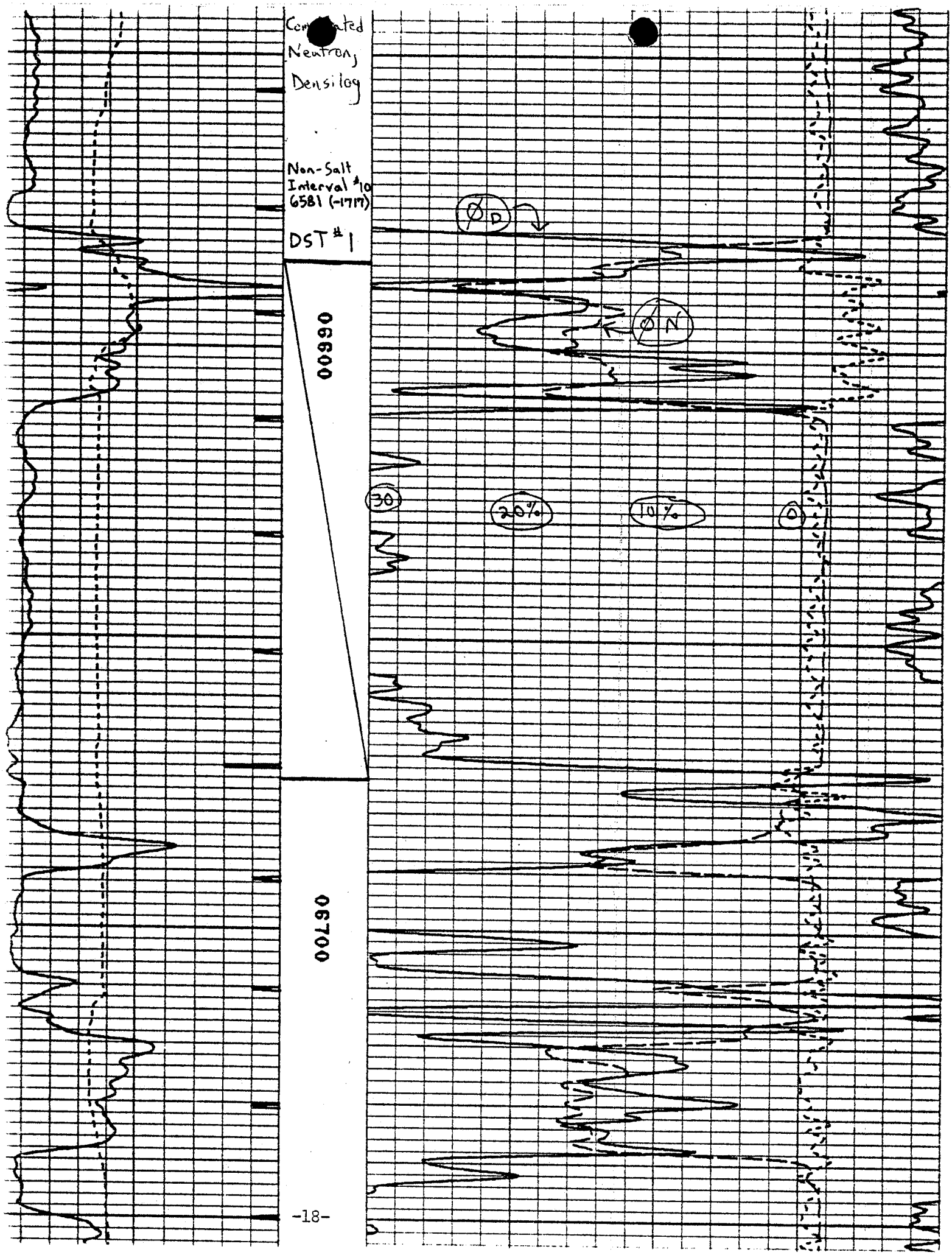
| BIT NO. | MAKE | TYPE | SIZE | DEPTH IN | DEPTH OUT | FOOTAGE | HOURS |
|---|---|---|---|---|---|---|---|
| 1 | SECURITY | S35 | 17½ | -- | 505 | 475 | 18¼ |
| 2 | HUGHES | J-22 | 12¼ | 505 | 2,520 | 2,015 | 43½ |
| 3 | SECURITY | S84F | 12¼ | 2,520 | 3,816 | 1,296 | 92-3/4 |
| 4 | REED | FP52 | 12¼ | 3,816 | 4,976 | 1,160 | 48¼ |
| 5 | SMITH | F2 | 8½ | 4,976 | 6,669 | 1,693 | 81½ |
| 6 | SMITH | F2 | 8½ | 6,669 | 9,271 | 2,602 | -- |
| 7 | SMITH (RR#5) | F2 | 8½ | 9,271 | 9,682 | 411 | -- |

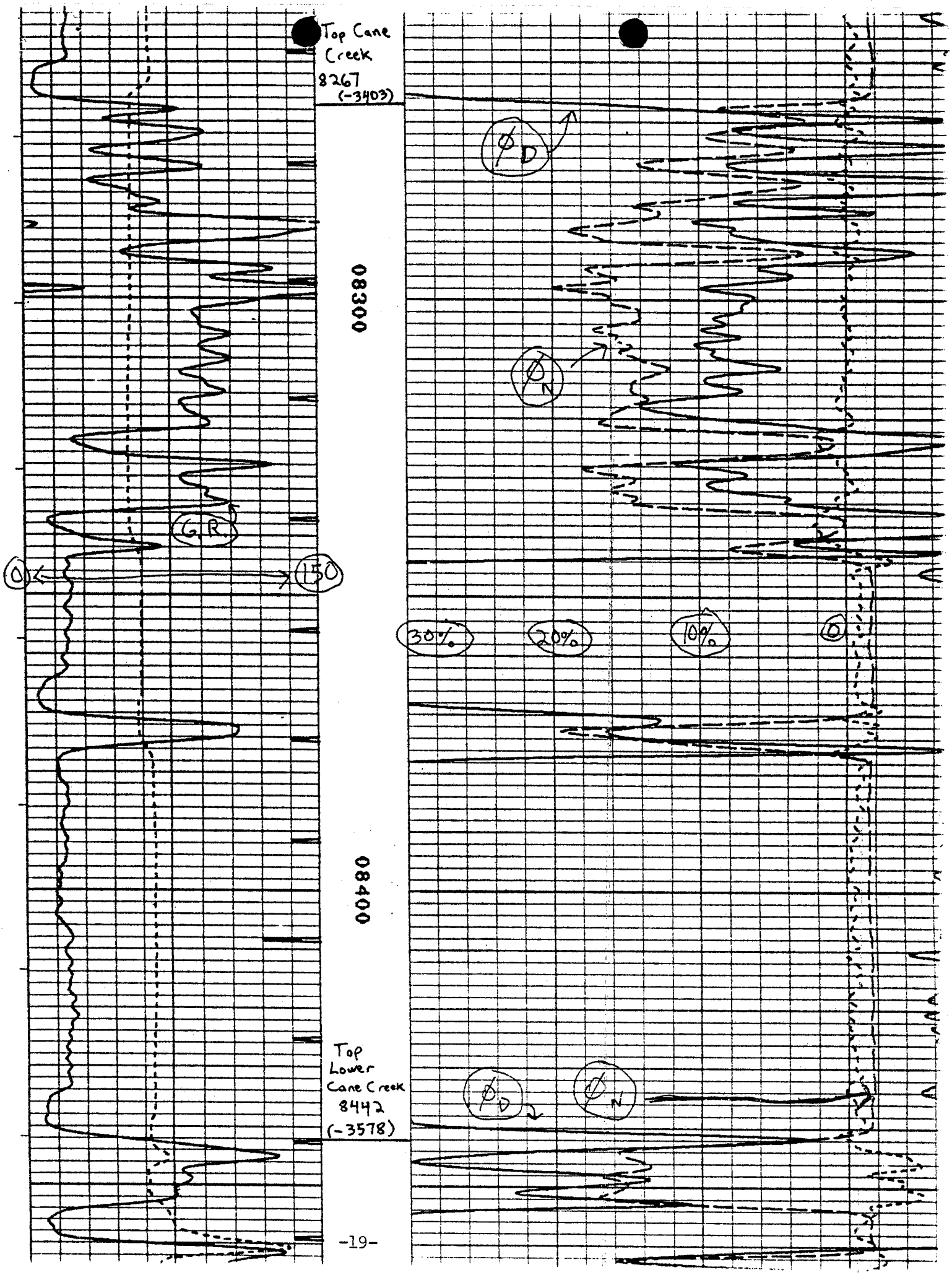
## DEVIATION RECORD

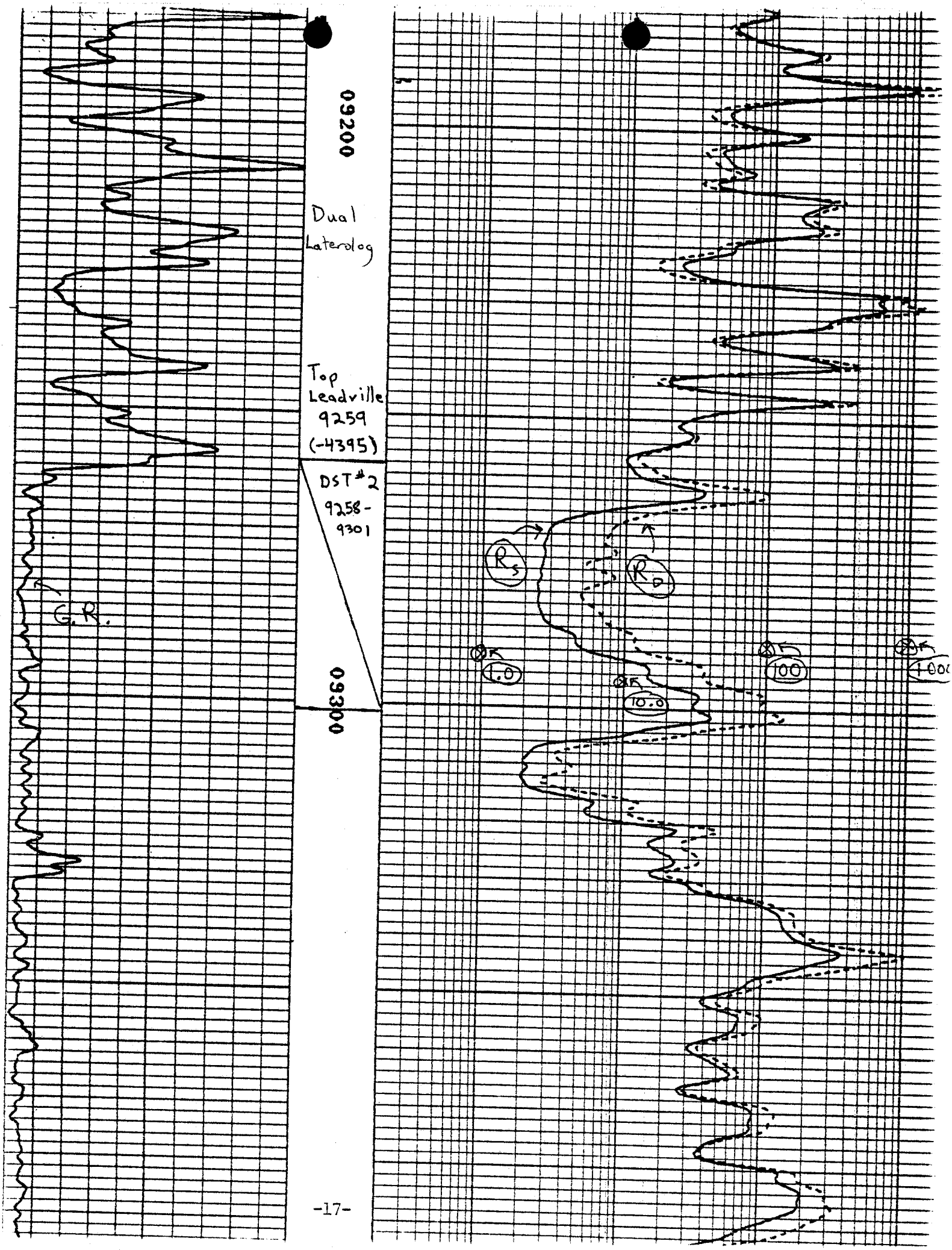
| DEPTH | DEVIATION |
|---|---|
| 3,665 | 1-3/4° |
| 4,366 | 2° |
| 4,702 | 1-3/4° |
| 5,071 | 1° |
| 6,115 | 2° |
| 6,614 | 2½° |
| 6,740 | 3° |
| 7,336 | 3° |
| 8,158 | 3° |
| 8,394 | 2-3/4° |
| 9,271 | 4° |

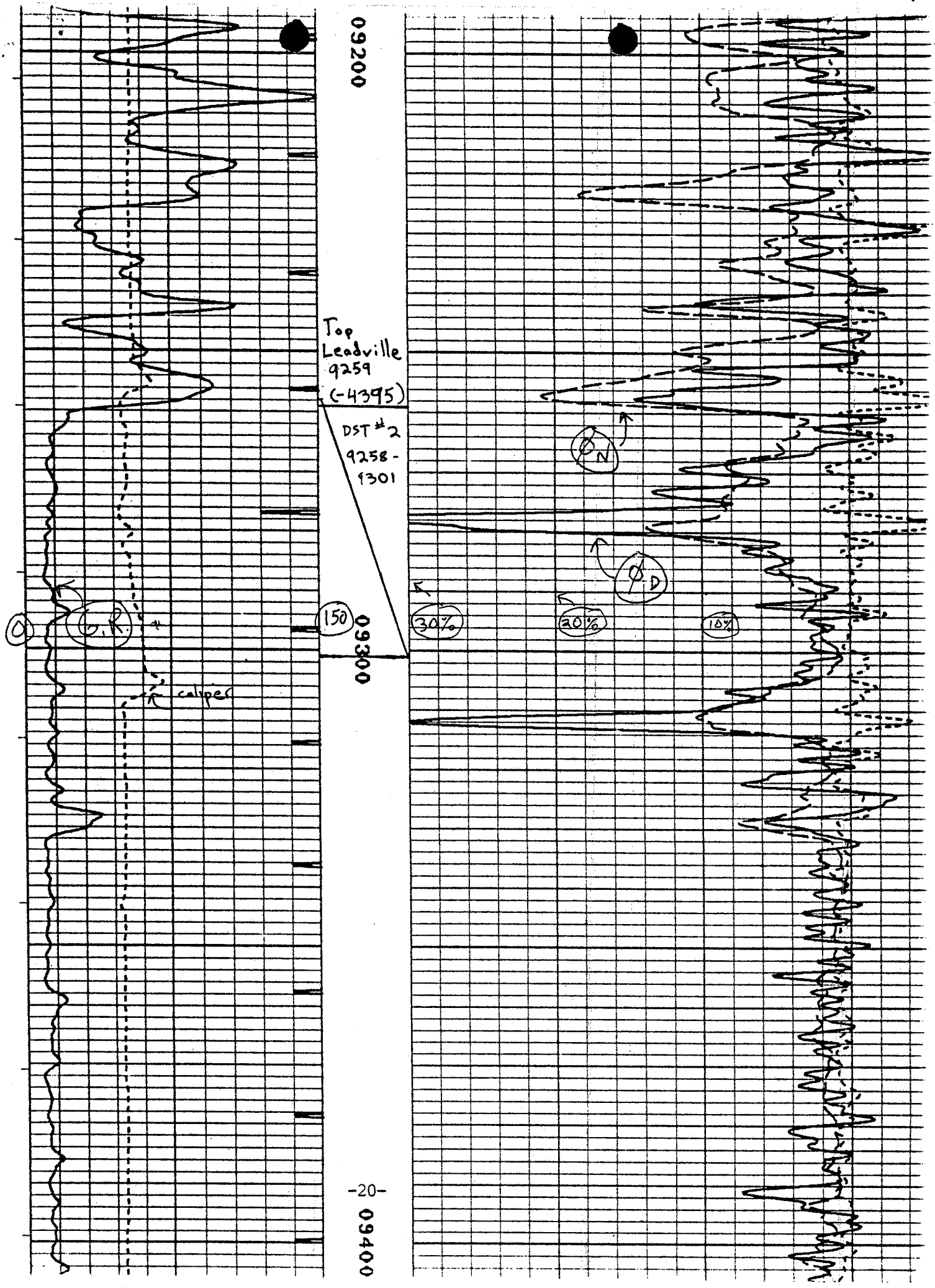

Dual Laterolog
Top Non-Salt Interval #10 (6581(-1717)
DST # 1
00690
00700
G.R.
0
150
1.0
10
100
1000
$R_D$
$R_{shallow}$


Top Cane Creek
8267
(-3403)
0
150
G.R
08300
Dual Laterolog
08400
Top Lower Cane Creek
8442
(-3578)
G.R
1.0
10
100
R shallow
R deep
10
100
1.0
R_d
R_s


Computated
Neutron,
Densilog
Non-Salt
Interval #10
6581 (-1717)
DST #1
ØD
ØN
00600
30
20%
10%
0
00700


Top Cane Creek
8267
(-3403)
08300
GR
0
150
08400
Top Lower Cane Creek
8442
(-3578)
ØD
ØN
30%
20%
10%
0


09200
Dual
Laterolog
Top
Leadville
9259
(-4395)
DST #2
9258-
9301
G.R.
09300
Rs
Rd
1.0
10.0
100
1000


09200
Top
Leadville
9259
(-4395)
DST #2
9258 -
9301
ØN
ØD
30%
20%
10%
150
09300
G.R.
caliper
09400

## DRILL STEM TEST #2

| | |
|---|---|
| Formation: | Leadville |
| Interval: | 9,258' To 9,301' after 30' downhole depth correction made at T.D. |
| Reason for Test: | Drill break from 9,264' - 9,277', oil stain in samples from drill break, gas increase from 30 to 88 units. |
| Type Test: | Conventional bottom-hole |
| Testing Company: | Johnston - Schlumberger |
| Tester: | Dennis Rosenberg |
| Water Cushion: | None |
| IF 30 Minutes: | Open tool w/ strong blow to bottom of bucket, increased to 2 lbs in 1 minute, 4-3/4 lbs in 5 minutes, 8 lbs after 10 minutes, 12.5 lbs after 15 minutes, 17 lbs after 23 minutes, decreased to 16 lbs after 28 minutes, close tool with 16 lbs pressure, no gas to surface. |
| ISI 90 Minutes: | -- |
| FF: 90 Minutes: | Open tool w/weak surface blow in bucket, 1 oz. pressure, increased to 1.5 oz. after 3 minutes, decreased to very weak surface blow after 5 minutes, remained at no blow or very weak blow for rest of flow period. |
| FSI 300 Minutes: | -- |
| Recovery: | 6,532' very slightly gas cut drilling mud. |
| Bottom Hole Sampler: | Pressure: 94 p.s.i.<br>Recovery: 2,250 c.c. water, diluted approx. 10% by mud filtrate, plus one sample cylinder of gas. |
| Resistivity Data: | Drill Pipe Recovery: --<br>Top: .05 @ 68° F 189,000 PPM Cl<br>Middle: .05 @ 68°F 189,000 PPM Cl<br>Bottom: .05 @ 68°F 189,000 PPM Cl<br>Sampler: .055 @ 68°F 122,500 PPM Cl<br>Mud Pit: .06 @ 70°F 200,500 PPM Cl |

Pressures:

| Top Chart (9,197') | Bottom Chart (9,240') |
|---|---|
| IH: 4,891 | IH: 4,840 |
| IF: 2,388 To 2,883 | IF: 3,525 To 3,908 |
| ISI: 3,907 To -- | ISI: 3,920 To -- |
| FF: 3,907 To 3,907 | FF: 3,920 To 3,920 |
| FSI: 3,907 To -- | FSI: 3,920 To -- |
| FH: 4,879 | FH: 4,827 |

Top Choke: ¼" (Bubble Hose) Bottom Choke: 11/16"

DRILL STEM TEST #2 (CONTINUED)

| | |
|---|---|
| Bottom Hole Temperature: | 140° |
| Additional Remarks: | Test may be inconclusive because of drilling mud in formation due to lost circulation problems. Approximately 300 bbls of mud were lost into test interval while drilling, plus more just prior to opening test tool. |

## DRILL STEM TEST #1

| | |
|---|---|
| Formation: | Paradox Salt |
| Interval: | 6,582' To 6,669' |
| Reason for Test: | Oil show in samples from non-salt interval #10, gas show. |
| Type Test: | Conventional bottom-hole. |
| Testing Company: | Johnston - Schlumberger |
| Tester: | Eugene Torgenson |
| Water Cushion: | None |
| IF 30 Minutes: | Open tool w/strong blow to bottom of bucket, 1.5 lbs pressure. Climbed to 2 lbs after 10 min, remained at 2 lbs thru 25 min, close tool after 30 min with 1.75 lbs pressure, no gas to surface. |
| ISI 90 Minutes: | -- |
| FF 90 Minutes: | Open tool with blow to bottom of bucket, 1.5 lbs pressure at 1 min., remained at 1.5 lbs thru 40 min, dropped to 1 lb pressure for remainder of flow period, no gas to surface. |
| FSI 300 Minutes: | -- |
| Recovery: | 225' of oil cut and gas cut drilling mud, approx. 10% oil. |
| Bottom Hole Sampler: | Pressure: 35 p.s.i.<br>Recovery: .49 cu. ft. gas, 900 cc oil (42 gravity), 550 cc mud. |
| Resistivity Data: | Drill Pipe Recovery: Data not given by tester.<br>Top: --<br>Middle: --<br>Bottom: --<br>Sampler: Data not given.<br>Mud Pit: .04 @ 70°F 279,000 PPM Cl |

Pressures:

| Top Chart (6,589') | Bottom Chart (6,595') |
|---|---|
| IH: 3,697 | IH: 3,639 |
| IF: 108 To 127 | IFL 79 To 89 |
| ISI: 824 To -- | ISI: 856 To -- |
| FF: 127 To 174 | FF: 102 To 158 |
| FSI: 136 To -- | FSI: 115 To -- |
| FH: 3,659 | FH: 3,639 |

Top Choke: ¼" (Bubble Hose) Bottom Choke 15/16"

Bottom Hole Temperature: 117°

## LITHOLOGY

Poor sample quality to 4,970 - air drilling (30' samples).

3,550 - 3,570 (60%) DOLOMITE - brn, gn-brn, crpxl, mod arg, sl pyr, p vis Ø, NSFOC, much limy grdg to LIMESTONE.
(40%) SANDSTONE - f gr, sbang, composed of ANHYDRITE grains, calc cmt, NSFOC.

3,570 - 3,600 (70%) LIMESTONE - brn,gn-brn, crpxl, sl-mod arg, occ pyr, p vis Ø, much dol, NSFOC.
(30%) SANDSTONE - ANHYDRITE - as above.

3,600 - 3,630 (60%) LIMESTONE - brn, gn-brn, tan, gy-blk, crpxl, sl-mod arg, p vis Ø, dol in pt, occ sl ring cut, occ min flor, some tan v foss, w/ ghost allochems, no show.
(20%) SANDSTONE - wh, f gr, sbang, ANHYDRITE, calc cmt, NSFOC.
(20%) ANHYDRITE - wh, sft, crpxl.

3,630 - 3,660 (60%) LIMESTONE - brn, gn-brn, tan, pred crpxln w/occ micxl, sl arg, p vis Ø, sme dol grdg to DOLOMITE, some min flor, occ p sl ring cut.
(30%) SANDSTONE - as above.
(10%) ANHYDRITE - wh, sft, crpxl.

3,660 - 3,690 (50%) LIMESTONE - gn-brn, brn, tan, pred crpxl w/ occ micxl, non-sl arg, p vis Ø, no stn, some min flor, some p ring cut.
(30%) SANDSTONE - wh, f gr, sbang, ANHYDRITIC,calc cmt, NSFOC.
(20%) ANHYDRITE - wh, sft, crpxl, occ clear xln.

3,690 - 3,720 (30%) DOLOMITE - gn - brn, brn, micxl - v f gran, non-sl arg, p vis Ø, NSFOC.
(30%) LIMESTONE - gen as above.
(30%) SANDSTONE - as above.
(10%) ANHYDRITE - wh, sft, crpxl.

3,720 - 3,750 (80%) LIMESTONE - gn-brn, brn, gy, crpxl - v f gran, sl arg, occ mic, p - fr vis Ø, no stn, some yel min flor, occ p-fr milky cut.

"Begin 10' samples at 3,750'"

3,750 - 3,790 (70%) LIMESTONE - gn-brn, gy, tan, crpxl - v f gran, sl arg, occ mic, p vis Ø, no stn, dol in pt, some min flor, some p-fr ring cut.
(20%) ANHYDRITE - wh, sft, crpxl.
(10%) SANDSTONE - wh, ANHYDRITIC, f gr, sbang, mod well srtd, NSFOC.

3,790 - 3,810 (80%) LIMESTONE - gen as above, some p-fr ring cut.
(20%) ANHYDRITE - wh, sft, crpxl.

3,810 - 3,820 No Sample.

3,820 - 3,840 (60%) LIMESTONE - brn, gn-brn, tan, crpxl - micxl, occ mic, non-sl arg, gen p vis Ø, some min flor, no stn, occ p ring cut.
(20%) SANDSTONE - wh, ANHYDRITIC, fr gr, sbang, mod well srtd, NSFOC.
(20%) ANHYDRITE - wh, sft, crpxl.

3,840 - 3,850 (80%) LIMESTONE - gen as above.
(20%) ANHYDRITE - wh, sft, crpxl.

LITHOLOGY (CONTINUED)

3,850-3,870 LIMESTONE - brn, gn-brn, micxl w/ some crpxl , dol in pt, non-sl arg, occ mic, p vis Ø, NSFOC.

3,870-3,900 (90%) LIMESTONE - tan, wh, brn, crpxl - micxl, non-sl arg, dol in pt, p vis Ø, some min flor, no stn, tr sl ring cut.
(10%) SANDSTONE - wh, ANHYDRITIC, f gr, sbang, mod w srtd, NSFOC.

3,900-3,930 LIMESTONE - brn, gn-brn, tan, buff, pred crpxl w/ some micxl clean-sl arg, p vis Ø, some min flor, no stn or cut, dol in pt.

3,930-3,950 LIMESTONE - gen as above, increase in brn, tr siliceous LIMESTONE grdg to chert.

3,950-3,990 LIMESTONE - brn, tan, bf, crpxl-micxl, clean-sl arg, dol inpt, p vis Ø, occ min flor, no stn or cut.

3,990-4,030 LIMESTONE - gen as above, occ mic, occ siliceous.
(10%) SANDSTONE - wh - buff, ANHYDRITIC, f gr, sb ang, mod w srtd,NSFOC.

4,030-4,060 (90%) LIMESTONE - brn, tan, bf, crpxl-micxl, clean-sl arg dol in pt w/ some grdg to DOLOMITE, p vis Ø, occ min flor, no stn or cut.
(10%) ANHYDRITE - wh, sft, crpxl.

4,060-4,070 LIMESTONE - gen as above, w/ trace p milky cut.

4,070-4,100 (70%) LIMESTONE - brn, gy-brn, tan, pred cpxl w/ some micxl, clean-sl arg, dol in pt, some p-fair milky cut.
(20%) SHALE - blk-brn, mod fissile, calc.
(10%) ANHYDRITE - wh-clear, crpxl w/some xln, no show.

4,100-4,140 (80%) LIMESTONE - as above, some p-fr milky cut.
(10%) ANHYDRITE - wh-clear, xln, sft.
(10%) SANDSTONE - wh - clear, ANHYDRITIC, f gr, sbang, NSFOC.

4,140-4,170 (70%) SANDSTONE - wh-clear, composed of ANHYDRITE grains, f gr, sbang, mod w srtd, dol, some min flor, no stn or cut, occ pyr.
(30%) LIMESTONE - gen as above, some p - fr milky cut.

4,170-4,200 (80%) LIMESTONE - brn, tan, gn-brn, pred crpxl w/some micxl, clean-sl arg, clean-sl arg, much dol grdg to DOLOMITE, p vis Ø, no stn, occ min flor, some p-fr milky cut, occ mic.
(20%) ANHYDRITE - wh - clear, sft - mod hd, xln, no show.

4,200-4,250 (90%) LIMESTONE - brn, gn-brn, tan, gen as above, much dol, some gn-brn sil grdg to chert.
(10%) ANHYDRITE - no change.

4,250-4,300 (60%) SANDSTONE - wh-clear, composed of ANHYDRITE grains, f gr, sbang, DOLOMITIC, no stn or cut, some min flor.
(40%) LIMESTONE - brn, gy-brn, tan, pred crpxl, clean-sl arg, much dol, p vis Ø, no stn, occ min flor, occ p-fr ring cut, some mic, rr sil grdg to chert.

4,300-4,350 DOLOMITE - gy-brn, brn, tan, crpxl w/occ micxl, non-sl arg, some grdg to LIMESTONE, p vis Ø, NSFOC, occ sil.

LITHOLOGY (CONTINUED)

4,350-4,380 (80%) DOLOMITE - gen as above.
(10%) ANHYDRITE - wh, sft, crpxl.
(20%) SANDSTONE - wh-clear, ANHYDRITE, f gr, sbang, NSFOC.

4,380-4,400 LIMESTONE/DOLOMITE - brn, gn-brn, gy, tan, pred crpxl w/occ micxl, clean- sl arg, occ sil, p vis Ø, no stn or flor, occ p ring cut.
(20%) ANHYDRITE - wh, sft, crpxl.
(10%) SANDSTONE - as above.

4,400-4,450 DOLOMITE - gn-brn, brn, gy-blk, tan, pred crpxl w/some micxl, non-sl arg, much limy grdg to LIMESTONE, occ mic, p vis Ø, no stn or flor, occ p ring cut, some sil.

4,450-4,460 (80%) DOLOMITE - gen as above.
(20%) ANHYDRITE - wh, sft, crpxl.

4,460-4,600 SALT - wh-clear, xln.

4,600-4,610 ANHYDRITE - wh-lt gy, sft, crpxl.

4,610-4,630 (60%) LIMESTONE - brn, gn-brn, tan, crpxl, non-sl arg, dol in pt, occ mic, NSFOC.
(30%) DOLOMITE, blk, sl fis, v arg grdg to dol SHALE, no flor, fair - good strmg cut.
(10%) ANHYDRITE - as above.

4,630-4,650 Poor sample, salt only in sample.

4,650-4,920 SALT - wh-clear, xln.

4,920-4,930 LIMESTONE - gn-brn, brn, crpxl, dol w/much grdg to DOLOMITE, clean-sl arg, tite, NSFOC.

4,930-4,970 Very poor samples, only salt in samples.
"Intermediate casing run to 4,960'"

4,970-4,980 DOLOMITE - blk-dk brn, crpxl, arg, tite, no flor, some p-fr slow strmg cut

4,980-4,990 DOLOMITE - med-dk brn, pred crpxl w/some micxl, some v arg, limy in pt, no flor, occ p-fr slow strmg cut.

4,990-5,000 (30%) DOLOMITE - as above.
(70%) ANHYDRITE - wh, sft, crpxl.

5,000-5,020 ANHYDRITE - wh - tan, sft-mod hd, crpxl - v f gran, DOLOMITIC, no show.

5,020-5,160 SALT - wh-clear, xln.

5,160-5,170 ANHYDRITE - wh-tan, sft-mod hd, crpxl.

5,170-5,180 (80%)DOLOMITE - tan-ltbrn, micxl, microsucrosic texture, sl-mod arg, p vis por, NSFOC.
(20%) ANHYDRITE - as above.

5,180-5,200 DOLOMITE - no change.

LITHOLOGY (CONTINUED)

5,200-5,230 SHALE - dkbrn-blk, blky, DOLOMITIC, sl petro-odor, slow fair-good strmg cut, no flor.

5,230-5,240 DOLOMITE - tan - lt brn, micxl - v f gran, microsucrosic, p-fr vis Ø, some lt brn stn, no flor or cut.

5,240-5,250 (40%) DOLOMITE - as above.
(60%) ANHYDRITE - wh, sft, crpxl.

5,250-5,400 SALT, wh-clear, xln.

5,400-5,410 Pred SALT - w/tr ANHYDRITE, wh, sft, crpxl.

5,410-5,420 DOLOMITE - m-dk brn, micxl - v f gran, fine sucrosic texture, sl arg, fr-good vis Ø, some fair yel flor, occ brn oil stn, slow fair w/occ g strmg cut.

5,420-5,430 DOLOMITE - as above, increase in flor and cut.

5,430-5,450 (90%) DOLOMITE - tan, cream, blk-gy, crpxl - vf gran, most microsucrosic, sl arg, p vis Ø, some min flor, no stn or cut.
(10%) ANHYDRITE - wh, sft, crpxl.

5,450-5,460 DOLOMITE - tan-lt brn, cream, gy, micxl, most microsucrosic, clean-sl arg, p vis Ø, NSFOC.

5,460-5,590 SALT - wh-clear, tan, xln.

5,590-5,610 DOLOMITE, lt-m brn, pred crpxl w/some micxl, sl arg, p vis Ø, NSFOC.

5,610-5,620 (80%)SHALE - blk-dk brn, blocky, sl calc, no ordor, no flor or cut.
(20%) DOLOMITE - as above.

5,620-5,630 (60%) DOLOMITE - lt-m brn, crpxl-micxl, much microsucrosic, sl arg, p vis Ø, NSFOC.
(20%) SHALE - as above.
(20%) ANHYDRITE - wh, sft, crpxl.

5,630-5,640 ANHYDRITE - wh, sft, crpxl.
5,640-5,650 (70%) ANHYDRITE - wh, sft, crpxl.
(30%) DOLOMITE -lt-m brn, gy, micxl, microsucrosic texture, sl arg, p vis Ø, NSFOC.

5,650-5,660 DOLOMITE - gen as above, NSFOC.

5,660-5,850 SALT - wh-clear, xln.

5,850-5,900 SALT - as above, and sylvite, lt orng, xln.
5,900-5,960 SALT - wh-clear, xln.

5,960-5,990 (60%) DOLOMITE - tan-m brn, micxl, microsucrosic texture, sl-v arg, gen p vis Ø, tr blk oil stn, no flor or cut.
(30%) ANHYDRITE - wh, sft, crpxl.
(10%) SHALE - blk, blky, DOLOMITIC, no show.

LITHOLOGY (CONTINUED)

5,990-6,080 SALT - wh-clear, xln.

6,080-6,090 SALT - w/ tr ANHYDRITE, wh, sft, crpxl.

6,090-6,100 (50%) DOLOMITE - lt-dk brn, crpxl- micxl, sl-v arg, p vis Ø, occ dd oil stn, no flor, occ fr ring cut.
(50%) ANHYDRITE - wh, sft, crpxl.

6,100-6,200 SALT - wh-clear, xln.

6,200-6,240 SALT - wh-clear, and sylvite, lt orng, xln.

6,240-6,330 SALT - wh-clear, xln.

6,330-6,340 (70%) DOLOMITE - tan-m brn, micxl, most microsucrosic, sl arg, p-fr vis Ø, NSFOC.
(30%) ANHYDRITE - wh, sft, crpxl.

6,340-6,350 (50%) DOLOMITE - gen as above, tr oil stn, no cut.
(50%) SHALE - blk, blky, DOLOMITIC, no flor, fr-good strmg yel cut.

6,350-6,360 (60%) SHALE - as above, fr-good strmg yel cut.
(40%) DOLOMITE, as above.

6,360-6,370 (70%) DOLOMITE - tan-m brn, micxl, most microsucrosic, sl arg, p-fr vis Ø, NSFOC.
(20%) SHALE - as above.
(10%) ANHYDRITE - wh, sft, crpxl.

6,370-6,580 Samples all salt, wh-clear, xln.

6,580-6,590 (70%) DOLOMITE - lt-m brn, crpxl, much microsucrosic, mod- v arg, p vis Ø, no flor or stn, occ fair slow strmg cut.
(30%) SHALE - blk, blocky, DOLOMITIC, no flor, fr-good slow strmg cut.

6,590-6,595 (40%) SHALE - as above.
(20%) DOLOMITE - brn, gen as above, fr slow strmg cut.
(40%) DOLOMITE - cream-tan, micxl-v f gran, microsucrosic texture, sl arg, fair w/occ good vis Ø, good yel flor, occ fr strmg cut, most w/ fr milky cut, tr oil stn.

6,595-6,600 (60%) DOLOMITE - brn, as above, no flor.
(20%) DOLOMITE, cream-tan, gen as above, good yel flor.
(20%) SHALE - blk, blocky, DOLOMITIC, no flor, fr-good strmg cut.

6,600-6,610 (80%) DOLOMITE - lt-dkbrn, cream, micxl, much microsucrosic, sl-v arg, p-fr vis Ø, no flor or stn, occ fair slow strmg cut, most w/ fair ring cut.
(20%) SHALE - blk, blocky, DOLOMITIC, no flor, fr-good strmg cut.

6,610-6,670 SALT - wh - clear, xln.

6,670-6,680 (80%) DOLOMITE - cream-tan, lt-dk brn, micxl, cream sl arg, brn mod-v arg, p - fr vis Ø, no flor or stn, cream w/no cut, brn w/ show poor strmg cut.
(20%) SHALE - blk, blocky, DOLOMITIC grdg to arg DOLOMITE, no flor, some fair strmg cut.

LITHOLOGY (CONTINUED)

6,680-6,690 (80%) DOLOMITE - gen as above, w/some fair slow milky cut in brn, no cut in cream-tan.
(20%) SHALE - gen as above, occ slow p strmg cut.

6,690-6,700 SALT - wh - clear, xln.

6,700-6,710 (70%) DOLOMITE, cream-tan, m-dk brn, cream: micxl, sl arg, p-fr vis Ø, NSFOC, brn: crpxl, mod-v arg, p vis Ø, no stn or flor, occ p-fr slow strmg cut.
(30%) SHALE - blk, blocky, DOLOMITE, no flor, occ fair - good slow strmg cut.

6,710-6,730 Poor samples, mostly salt, with some DOLOMITE and SHALE, as above.

6,730-6,740 (70%) DOLOMITE - pred tan, micxl, microsucrosic, sl arg, p-fr vis Ø, NSFOC, some dk brn, crpxl, mod-v arg, p vis Ø, no flor or stn, some p-fr milky cut.

6,740-6,860 SALT - wh-clear, xln.

6,860-6,870 (80%) DOLOMITE - pred tan-gy, micxl, microsucrosic, sl-mod arg, p vis Ø, NSFOC.
(20%) SHALE - blk, sl fis, DOLOMITIC, no flor, slow fr-good strmg cut.

6,870-6,880 (70%) DOLOMITE - most as above, some dk brn, crpxl, v arg, tr blk oil stn, w/occ fr strmg cut, no flor.
(30%) SHALE - as above, slow fr-good strmg cut.

6,880-6,900 (70%) ANHYDRITE - wh, sft, crpxl, sl calc.
(20%) DOLOMITE - brn, gy, cream, crpxl-micxl, sl-v arg, p vis Ø, NSFOC.
(10%) SHALE - blk, sl fis, DOLOMITIC, no flor, some fr milky, cut.

6,900-7,010 SALT - wh-clear, xln.

7,010-7,030 (60%) SHALE - blk, blocky, DOLOMITIC, no flor or cut.
(30%) DOLOMITE - pred m-dk brn, some tan, crpxl-micxl, mod-v arg, some microsucrosic, tr dd oil stn, no flor or cut.
(10%) ANHYDRITE - wh, sft, crpxl.

7,030-7,070 SALT - wh - clear, xln.

7,070-7,080 (40%) DOLOMITE - m-dk brn, tan, crpxl-micxl, sl-v arg, p vis Ø, no flor or stn, p-fr ring cut.
(40%) SHALE - dk brn-blk, blocky, DOLOMITIC w/some grdg to arg DOLOMITE, no flor, p-fr ring cut.
(20%) ANHYDRITE - wh-tan, sft-mod hd, crpxl.

7,080-7,090 (40%) DOLOMITE - as above.
(30%) SHALE - no change.
(30%) ANHYDRITE - as above.

7,090-7,100 (40%) ANHYDRITE - wh, sft-mod hd, crpxl, sl calc.
(20%) SHALE - dk brn - blk, blocky, DOLOMITIC, no flor, p-fr ring cut.
(40%) DOLOMITE - no change.

7,100-7,260 SALT - wh-clear, xln.

LITHOLOGY (CONTINUED)

7,260-7,270 (50%) DOLOMITE - tan-m brn, buff, micxl, sl arg, p-fair vis Ø, occ min flor, occ dd oil stn, some fair ring cut.
(30%) SHALE - blk, blocky, sl calc, no flor, fair-good strmg cut.
(20%) ANHYDRITE - wh, sft, crpxl.

7,270-7,310 SALT - wh-clear, xln.

7,310-7,320 Sample all salt, w/ tr ANHYDRITE, wh, sft-mud hd, crpxl.

7,320-7,370 SALT - wh-clear, xln.

7,370-7,380 (70%) DOLOMITE - lt-m brn, buff, tan, micxl, sl-v arg, fr w/occ good vis Ø, microsucrosic, no flor, some brn oil stn, p-fr ring cut.
(30%) SHALE - blk, dk brn, blocky, DOLOMITIC, no flor, some fair milky cut.

7,380-7,590 SALT - wh-clear, xln.

7,590-7,600 (40%) DOLOMITE - gn-brn, brn, micxl, much microsucrosic, mod-v arg, p vis Ø, NSFOC.
(50%) SHALE - blk, blky, sl calc, no flor, some fair milky cut.
(10%) ANHYDRITE, wh, sft, crpxl, sl calc.

7,600-7,840 SALT - wh-clear, xln.

7,840-7,850 (90%) SHALE - blk, dk brn, blky, dol grdg to arg DOLOMITE, no flor, fair-good strmg cut.
(10%) LIMESTONE - cream-tan, brn, some dol, crpxl-micxl, sl-v arg, p vis Ø, tr dd oil stn, no flor, some p-fr milky cut.

7,850-7,860 (50%) SHALE - as above.
(50%) DOLOMITE - cream-tan, brn, crpxl-micxl, some grdg to LIMESTONE, mod - v arg, p vis Ø, no flor, tr dd oil stn, occ p-fair milky cut.

7,860-7,870 (50%) DOLOMITE - gen as above, some p-fr milky cut.
(30%) SHALE - as above.
(20%) ANHYDRITE - wh, sft, crpxl.

7,870-8,010 SALT - wh-clear, xln.

8,010-8,020 (50%) SHALE - blk, blocky, sl DOLOMITIC, no flor, slow fr-good strmg cut.
(30%) DOLOMITE- brn, tan, buff, micxl, most microsucrosic, no flor, occ dd oil stn, p ring cut, p vis Ø, mod-v arg.
(20%) ANHYDRITE - wh, sft, crpxl.

8,020-8,260 SALT - wh-clear, xln.

8,260-8,265 (70%) LIMESTONE - m-dk brn, crpxl-micxl, mod - v arg, dol in pt, p vis Ø, tr dd oil stn, no flor or cut.
(20%) SHALE - blk, blky, calc grdg to LIMESTONE, no flor, fair-good milky cut.
(10%) ANHYDRITE - wh, clear, sft-mod hd, sl calc.

8,265-8,275 (50%) DOLOMITE/LIMESTONE - m-dk brn, crpxl-micxl, much microsucrosic, mod-v arg, p vis Ø, some blk dd oil stn, no flor, occ fr-good strmg cut, most w/ fr milky cut only.
(30%) SHALE - as above, w/some fr-g strmg cut.
(20%) ANHYDRITE - as above.

LITHOLOGY (CONTINUED)

8,275-8,280 (50%) LIMESTONE - blk, occ brn, crpxl, v arg grdg to SHALE, dol in pt, p vis Ø, no flor, slow fr-g strmg cut.
(40%) DOLOMITE - brn, pred crpxl w/ some micxl, most v arg, p vis Ø, no flor, p-fr ring cut.
(10%) ANHYDRITE - wh, sft, crpxl.

8,280-8,285 (40%) LIMESTONE - gen as above, more dol grdg to DOLOMITE.
(50%) DOLOMITE - as above.
(10%) ANHYDRITE - no change.

8,285-8,290 LIMESTONE - brn, tan, gy, blk, crpxl-micxl, mod-v arg, some dol, p vis Ø, occ ANHYDRITIC, no flor, some blk stn, p-fr ring cut, rr good strmg cut.

8,290-8,295 (70%) LIMESTONE - as above.
(30%) SHALE - blk, blky, DOLOMITIC, no flor, fr-g strmg cut.

8,295-8,300 LIMESTONE - tan- gy, brn, blk, crpxl-micxl, some grdg to DOLOMITE, brn and blk v arg grdg to SHALE, p vis Ø, no flor, no stn, some p-fr milky cut, most w/ no cut.

8,300-8,310 LIMESTONE - gen as above, some blk w/ v slow fair strmg cut, blk possibly from uphole.

8,310-8,315 LIMESTONE - no change, increase in blk.

8,315-8,320 LIMESTONE/DOLOMITE - blk, crpxl, v arg, p vis Ø, no flor, fr-g slow strmg cut.

8,320-8,325 (80%) LIMESTONE/DOLOMITE - gen as above, w/ p milky cut only.
(20%) ANHYDRITE - wh-bf, sft-mod hd, crpxl, sl calc.

8,325-8,330 (60%) LIMESTONE - gy, blk, crpxl-micxl, v arg grdg to SHALE, p vis Ø, blk w/ some fr slow strmg cut, possibly from uphole, gy w/ no flor or cut.
(20%) DOLOMITE - tan-lt brn, micxl, microsucrosic, mod-v arg, p-fr vis Ø, no flor or cut.
(20%) ANHYDRITE - no change.

8,330-8,340 (60%) ANHYDRITE, wh-tan, crpxl, sft-mod hd, sl calc.
(20%) LIMESTONE - as above.
(20%) DOLOMITE - as above.

8,340-8,360 SALT - wh-clear, xln.

8,360-8,370 (80%)LIMESTONE - brn, blk, crpxl, v arg grdg to SHALE, brn dol in pt, p vis Ø, blk w/ fr-g slow strmg cut, brn w/ fr milky cut only.
(20%) ANHYDRITE - wh, sft, crpxl.

8,370-8,375 (70%) LIMESTONE - as above.
(30%) ANHYDRITE - wh, sft, crpxl.

8,375-8,430 SALT - wh-clear, beige, xln.

8,430-8,450 (80%) DOLOMITE - pred tan-lt brn, micxl, microsucrosic, mod- v arg, fr w/ occ g vis Ø, NSFOC, some brn, blk, crpxl-micxl, v arg grdg to SHALE, p vis Ø, no flor, some blk carb stn, occ slow good milky cut.

LITHOLOGY (CONTINUED)

8,430-8,450 (CONTINUED)
(10%) SHALE - dk brn, blk, blky, sl dol, no flor, fr - g milky cut.
(10%) ANHYDRITE - wh, sft-mod hd, crpxl.

8,450-8,460
(70%) DOLOMITE - gen as above, w/less cut in brn-blk.
(30%) ANHYDRITE - as above.

8,460-8,530 SALT - wh-clear, beige, xln.

8,530-8,550 (Poor sample quality) SHALE - blk, blky, DOLOMITIC grdg to DOLOMITE, no flor, occ p ring cut.
ANHYDRITE - wh, sft, crpxl.
DOLOMITE, tan, brn, micxl, microsucrosic, fr vis Ø, no flor, some blk stn, p ring cut.

8,550-8,560 SALT - wh-clear, xln.

8,560-8,570 LIMESTONE - pred blk, dk brn, crpxl, v arg grdg to SHALE, dol in pt, p vis Ø, no flor, slow fr-good strmg cut in blk.

8,570-8,640 SALT - wh-clear, beige, xln.

8,640-8,650 LIMESTONE - blk, dk brn, v arg grdg to SHALE, crpxl, dol in pt, p vis Ø, no flor, p milky cut.
ANHYDRITE - wh, sft, crpxl.

8,650-8,690 SALT - wh-clear, xln.

8,690-8,700
(50%) DOLOMITE - dk brn, tan, crpxl, v arg, p vis Ø, no flor, some p ring cut.
(40%) SHALE - blk, DOLOMITIC, blky, no flor, some slow fr strmg cut, most w/ milky cut only.
(10%) ANHYDRITE - wh, sft, crpxl, no show.

8,700-8,710
(50%) DOLOMITE - gen as above.
(30%) SHALE - as above.
(20%) ANHYDRITE - no change.

8,710-8,840 SALT - beige - clear, xln.

8,840-8,850
(90%) LIMESTONE - m-dk brn, blk, v arg, crpxl, brn w/ some dd oil stn, no flor, p-fr milky cut.
(10%) DOLOMITE - cream-tan, micxl, sl arg, microsucrosic, NSFOC.

8,850-8,860
(80%) ANHYDRITE - wh, sft, crpxl, sl calc.
(20%) DOLOMITE - as above.

8,860-8,880
(80%) LIMESTONE - blk, brn-tan, crpxl, v arg, blk grdg to SHALE, dol in pt, p vis Ø, no flor, some carb stn, blk w/ fr-g strmg cut.
(20%) ANHYDRITE - wh, sft, crpxl, sl calc.

8,880-9,080 SALT - wh-clear, xln.

9,080-9,090
(80%) LIMESTONE - blk, v arg grdg to SHALE, dol in part, crpxl, p vis Ø, no flor, p-fr milky cut.
(20%) DOLOMITE - m brn, crpxl, v arg, p vis Ø, no stn or flor, some p milky cut.

LITHOLOGY (CONTINUED)

9,090-9,110 SALT - wh-clear, xln.

9,110-9,130 LIMESTONE - blk, dk brn, v arg grdg to SHALE, dol in part, p vis Ø, no flor, some fair slow strmg cut, most w/ p-fr milky cut.

9,130-9,140 LIMESTONE - blk, m-dk brn, tan-gy, crpxl, v arg grdg to SHALE, dol in pt, p vis Ø, no stn or flor, occ fair slow strmg cut, most w/ p ring cut.

9,140-9,150 (90%) LIMESTONE - gen as above.
(10%) ANHYDRITE - wh, sft, crpxl.

9,150-9,160 LIMESTONE - m-dk brn, blk, gy, crpxl, v arg grdg to SHALE, dol in pt, p vis Ø, no stn or flor, occ fr slow strmg cut, most w/ p ring cut.

9,160-9,170 LIMESTONE - tan-m brn, crpxl-micxl, v arg, p vis Ø, no stn or flor, p ring cut.

9,170-9,180 LIMESTONE - tan-dk brn, dk gn-brn, crpxl, mod hd, sl arg, brit, p vis Ø, NSFOC.

9,180-9,190 LIMESTONE - as above.
(10%) ANHYDRITE - wh, sft, crpxl.

9,190-9,210 LIMESTONE - lt-dk brn, blk, gn-brn, gy, crpxl, sft-mod hd, some brn dol, mod - v arg, p vis Ø, no stn or flor, some p milky cut.

9,210-9,230 LIMESTONE - gn-brn, lt-dk brn, mot blk and wh, crpxl, sl - v arg, p vis Ø, dol in pt, no flor or stn, p milky cut.

9,230-9,240 LIMESTONE - cream, gy, tan-brn, gn-brn, crpxl, mod hd-hd, mod-v arg, occ sil, p vis Ø, no stn or flor, p ring cut.

9,240-9,250 (80%) LIMESTONE - cream-tan, gy, lt-dk brn, crpxl, sl-v arg, p vis Ø, dol in pt, no flor or stn, p milky cut.
(20% ) SILTSTONE - red-brn, mod hd, arg grdg to SHALE, no show.
Tr SHALE - green, maroon, fissile.

9,250-9,260 (80%) LIMESTONE - wh, tan, gy, gn-brn, crpxl, mod hd, clean-sl arg, much chalky, p vis Ø, some min flor, no stn or cut.
(20%) SILTSTONE - as above.

9,260-9,280 LIMESTONE - wh-cream, tan-lt brn, gy, crpxl, some chalky, clean-sl arg, some very fos (fusilinids?), p-fr vis Ø, occ pinhole Ø, some yel min flor, approx. 20% w/ good brn oil stn, p-fr strmg cut, w/occ g strmg cut, most of samples w/ no stn or cut.

9,280-9,320 No Samples.

9,320-9,330 Poor sample quality, SHALE shaker by passed until T.D., samples caught in bucket.
Tr LIMESTONE - wh, mod hd, crpxl, chalky, clean, NSFOC.

9,330-9,340 LIMESTONE - wh, mot brn and wh, tan-gy, mod hd, crpxl, chalky, clean, p vis Ø, NSFOC.

LITHOLOGY (CONTINUED)

9,340-9,350 LIMESTONE - gen as above, occ p ring cut.
Tr CHERT - tan, bfn, crpxl, v hd.

9,350-9,370 LIMESTONE - wh, mod brn-wh, tan-lt brn, mod hd, crpxl, clean, p vis Ø, much chalky, no flor or stn, some p-fr ring cut.
Tr CHERT - as above.

9,370-9,380 No Samples.

9,380-9,400 LIMESTONE - wh-cream, mot brn and wh, mod hd, crpxl, clean, p vis Ø, NSFOC.
Tr DOLOMITE - dk brn, micxl, mod- v arg, p-fr vis Ø, no flor, p ring cut.

9,400-9,410 LIMESTONE - gen as above, some tan, w/some p ring cut.

9,410-9,440 LIMESTONE - wh-cream, tan-lt gn, mod hd, crpxl, clean, p vis Ø, some lt gn pyritic, occ min flor, no stn or cut.
Tr DOLOMITE - m-dk brn, micxl, mod-v arg, p-fr vis Ø, no stn or flor, p ring cut.

9,440-9,460 Very poor samples from 9,440-9,510.
LIMESTONE - wh-cream, mod hd, crpxl, clean, much chalky, occ min flor, no stn or cut.

9,460-9,480 LIMESTONE - wh-cream, gy, gy-gn, mod hd, crpxl, much chalky, clean-sl arg, gy DOLOMITIC, p vis Ø, some min flor, no stn or cut.

9,480-9,490 LIMESTONE - wh-cream, gy, gy-gn, gen as above.
DOLOMITE - gy, micxl, microsucrosic, mod arg, fr vis Ø, NSFOC.

9,490-9,510 LIMESTONE - wh-cream, tan, lt gn, crpxl, mod hd, clean, much chalky, p vis Ø, occ min flor, no stn or cut.
DOLOMITE - as above.
Tr CHERT - tan, crpxl, v hd.

9,510-9,530 (20%) LIMESTONE - wh-cream, crpxl, chalky, mod hd, clean, p vis Ø, occ min flor, no stn or cut.
(80%) DOLOMITE - gn-gy, gy, tan- brn, pred crpxl w/occ micxl, mod hd-hd, sl-v arg, occ blk carb residue, no flor or cut.

9,530-9,540 (20%) LIMESTONE - as above.
(80%) DOLOMITE - gen as above, incr in brn, NSFOC.

9,540-9,570 (80%) DOLOMITE - tan-brn, gn-gy, gy, mod hd-hd, crpxl w/ tr micxl, sl-mod arg, occ grdg to LIMESTONE, p vis Ø, occ blk carb residue, no flor or cut.
(20%) LIMESTONE - wh-cream, crpxl, chalky, mod hd, clean, p vis Ø, some min flor, no stn or cut.

9,570-9,600 (10%) LIMESTONE - no change.
(90%) DOLOMITE - tan-brn, gn-gy, gy, mod hd-hd, crpxl w/ tr micxl, sl-mod arg, occ grdg to LIMESTONE, p vis Ø, occ blk dd oil stn, tr fr strmg cut from pieces w/ dd oil stn, most w/ NSFOC.

9,600-9,630 DOLOMITE - gen as above.

LITHOLOGY (CONTINUED)

9,630-9,650 (10%) LIMESTONE - wh-cream, crpxl, mod hd, chalky, clean, some min flor, no stn or cut.
(90%) DOLOMITE - pred lt-dk brn, tan, cream, some gy, crpxl-micxl, mod hd-hd, occ grdg to LIMESTONE, sl-mod arg, p vis Ø, tr dd oil stn, occ fr milky cut from pieces w/ stn, most w/ NSFOC.

9,650-9,680 DOLOMITE - gen as above, pred tan, bf, incr limy grdg to LIMESTONE.

GOLD BAR UNIT # 2
C SW Sec. 23 T25S-R20E
Grand, UT
U-17435

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,499'-6,500' 4 HOLES
PBTD 9,220' — T.D. 9,682'

DAYS FROM RIG UP 76 — CUM IDC $362,376.00
PRESENT OPERATION - Swabbing perfs for evaluation.
2-16-82 TOOH w/ pkr. Perf Clastic #10 formation w/ 4" csg gun from 6,580'-6,609' 2 JSPF 57 holes. Correlated w/ CNL-FDC log dated 10-16-81. TIH w/ pkr. SD for night.

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,580'-6,609' 57 HOLES
PBTD 9,220' — T.D. 9,682'
DAYS FROM RIG UP 78 — CUM IDC $364,576.00
PRESENT OPERATION - Swabbing for evaluation.
2-17-82 Rigged up to swab. Swabbed from 8:30 to 4:30

| | | | | | |
|---|---|---|---|---|---|
| 8:30 | 2 Runs | 2,000' FL | 30 BF | 0 BO | 30 BW |
| 9:30 | 2 Runs | 6,000' FL | 12 BF | 0 BO | 12 BW |
| 10:30 | 2 Runs | 6,000' FL | 0 BF | 0 BO | 0 BW |
| 2:30 | 2 Runs | 6,000' FL | 3 BF | 0 BO | 3 BW |

Totals 45 BF, 45 BW. First 30 BBLS was load fluid. BLOTR +15.

RECEIVED
MAR 18 1982
DIVISION OF
OIL, GAS & MINING

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,580'-6,609' 57 HOLES
PBTD 9,220' — T.D. 9,682'
DAYS FROM RIG UP 79 — CUM IDC $366,776.00
PRESENT OPERATION - Swabbing, waiting on orders.
2-18-82 7:30 to 4:00 4 swab runs, fluid level 6,000', first run made 1 BF, 50% oil, last 3 runs dry. BLWTR +15.

DAYS FROM RIG UP 80 — CUM IDC $376,376.00
PRESENT OPERATION - Swabbing after oil breakdown
2-19-82 Made 1 dry swab run moved in breakdown fluid and equipment rigged up Western could not pump in at 5000 PSI increased to 6000 at 2 BPM rate decreased to 1 BPM at end of job ISIP 5100 15 min. 4950. Total load 47 BBLS. SI for nite. BLOTR -47.

PRESENT OPERATION - Swabbing
2-20-82 Made 4 swab runs and swabbed dry after opening well to tank. Flowed 3.7 BBLS of oil then had to swab.

| Hour | Runs | FTP | BF | BO | BW |
|---|---|---|---|---|---|
| 7:30 - 8:30 | Flow | | 3.7 | 3.7 | 0 |
| 8:30 - 9:00 | 1 | Surface | 14.6 | 14.6 | 0 |
| 9:00 - 9:30 | 1 | 2000 | 11.0 | 11.0 | 0 |
| 9:30 - 10:00 | 1 | 4000 | 11.0 | 11.0 | 0 |
| 10:00 - 10:30 | 1 | 6000 | 0 | 0 | 0 |

BLOTR -6.7 BLWTR 0

2-21-82 Shutdown

DAYS FROM RIG UP 84
PRESENT OPERATION - Swabbing
2-22-82 Made 4 swab runs, 1 run every 2 hours. Swab will only go to 6,000'. There is some kind of obstruction in the tubing.

| | | | | | |
|---|---|---|---|---|---|
| 8:00 - 10:00 | 1 | 5000 | 8 | 8 | 0 |
| 10:00 - 12:00 | 1 | 6000 | 0 | 0 | 0 |
| 12:00 - 2:00 | 1 | 6000 | 0 | 0 | 0 |
| 2:00 - 4:00 | 1 | 6000 | 0 | 0 | 0 |

BLOTR +1

DAYS FROM RIG UP 85
PRESENT OPERATION - Running tracer test
2-23-82 Made 4 swab runs while WOO. Did not swab anything. After receiving orders to run a tracer test, pumped breakdown fluid (oil) down tubing to fill it up in order to run tracer test.

| Time | Runs | FTP | BF | BO |
|---|---|---|---|---|
| 1:30 - 2:00 | 4 | 6000 | 0 | 0 |

BLOTR +1

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,580' - 6,609' 57 HOLES
PBTD 9,220' — T.D. 9,682'
DAYS FROM RIG UP 86 — CUM IDC $390,276.00
PRESENT OPERATION - Running tracer test
2-24-82 Ran sinker bar down tubing and it stopped at 6,000'. Released packer and reversed circulated. Circulated out some free balls. Rigged up and ran tracer test. Had problems with NOWSCO pump truck. Didn't get good test. Will try again this morning. BLOTR +1 BLWTR 0.

BEST COPY AVAILABLE

GOLD BAR UNIT #2
C SW Sec. 23 T25S R20E
Grand, Ut
U-17435

PRESENT OPERATION-Swabbing perfs at 9,302-9,472'
12-15-81 Finished running tubing with scraper to 9490'. Tested caseing to 2000 psi, OK, and swabbed fluid down to 5000'. Pulled tubing and scraper and ran down hole with 4" casing gun and perforated 9392-9472. ( 45 holes)

GOLD BAR #2
LEADVILLE FORMATION PERFORATION 9,392-9,472
PBTD 9,600 T.D. 9,682

DAYS FROM RIG UP 18 CUM IDC $ 184,048.00
PRESENT OPERATION - Swabbing
12-16-81 Swabbed 198 bbls of fluid, all water no oil. 139.9 bbls came from the formation. Fluid level stayed at 1500' throughout the day.

| | | | | | |
|---|---|---|---|---|---|
| 12:00 | 2 | 1500 | 20.9 BF | 20.9 BW | Rigged up to swab and swabbed |
| 1:00 | 2 | " | 21 BF | 21 BW | |
| 2:00 | 3 | " | 46 BF | 46 BW | |
| 3:00 | 3 | " | 42.8 BF | 42.8 BW | |
| 4:00 | 3 | " | 37.2 BF | 37.2 BW | |
| 5½ | | | 193 | 193 | |

BLOTR 0 BLWTR +139.9

DAYS FROM RIG UP 19 CUM IDC $186,048.00
PRESENT OPERATION - Swabbing.
12-17-81 Released pkr and reset it just below top perfs to find out if the water was coming through those perfs. Swabbed about the same amount of water as the day before so water is coming from the lower perfs. (9,438'-72').

| | | | |
|---|---|---|---|
| 10:00 | 3 Runs | 1,500' FL | 35.2 BF |
| 12:30 | Drain tank. | | |
| 1:30 | 3 Runs | 1,500' FL | 33.1 BF |
| 2:30 | 3 Runs | 1,500' FL | 36.6 BF |
| 3:30 | 3 Runs | 1,500' FL | 36.8 BF |

Form No. DOC DR/PF

5½ hrs, 139.7 BF. BLWTR +279.10.

GOLD BAR #2
F LEADVILLE FORMATION PERFORATION 9,392'-9,472' 45 HOLES
PBTD 9,600' T.D. 9,682'
L DAYS FROM RIG UP 20 CUM IDC $187,948.00
PRESENT OPERATION - POOH w/ tbg.
( 12-18-81 Swabbed 259 BF, all water. Will pull tbg and go back in the hole w/ a CIBP and set it at +9,350'. BLWTR +538.

DAYS FROM RIG UP 22 CUM IDC $193,248.00

PRESENT OPERATION - Swab. POOH. Perf.

12-19-81 Pulled and stood the tbg. Ran down hole with a CIBP on a wire line and set it at 9,350'. Ran back in hole w/ the tbg to swab, fluid in csg down to 5,000' before perforating.

12-20-81 SD Sunday.

DAYS FROM RIG UP 23 CUM IDC $199,548.00
PRESENT OPERATION - Swabbing.
12-21-81 Press tested csg to 2,500 PSI. Held for 15 min. Swabbed fluid in csg down to 5,000 POOH w/ tbg and then perforated csg w/ 4" csg gun from 9,267'-9,272'. RIH w/ the pkr and set it at 9,139'.

DAYS FROM RIG UP 24 CUM IDC $201,548.00
PRESENT OPERATION - Swabbing.
12-22-81 Swabbed 104.7 BF, all water. Had to pull 7 stands of tbg and replace a joint that was slightly collapsed and was hanging up the swab.

| | | | | | | |
|---|---|---|---|---|---|---|
| 5:30 | 1 Run | 1,000' FL | 12.6 BF | 0 BO | 12.6 BW | Had trouble getting swab down hole. |
| 10:30 | 1 Run | 1,000' FL | 8.3 BF | 0 BO | 8.3 BW | Had trouble getting swab down hole. |
| 12:30 | Pulled tbg (7 stands) | | | | | |
| 1:30 | 3 Runs | 1,000' FL | 33.5 BF | 0 BO | 33.5 BW | |
| 2:30 | 3 Runs | 1,000' FL | 33.6 BF | 0 BO | 33.6 BW | |
| 3:30 | 2 Runs | 1,000' FL | 16.7 BF | 0 BO | 16.7 BW | |

BLOTR 0, BLWTR +104.7 (zone 9,267'-72' only).

POOR COPY

GOLD BAR UNIT #2

BEST COPY AVAILABLE

PRESENT OPERATION - Swabbing. CUM IDC $205,548.00

12-23-81 Swabbed 138.8 BBLS in 8 hrs, all water, not even a trace of oil.

| | | | | | |
|---|---|---|---|---|---|
| 7:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW |
| 9:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW |
| 10:30 | 2 Runs | 1,000' FL | 21 BF | 0 BO | 21 BW |
| 11:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW |
| 12:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW |
| 1:30 | 1 Run | 1,000' FL | 10 BF | 0 BO | 10 BW |
| 2:30 | 1 Run | 1,000' FL | 10 BF | 0 BO | 10 BW |
| 3:30 | 1 Run | 1,000' FL | 9.8 BF | 0 BO | 9.8 BW |

BLOTR 0, BLWTR +243.5.

12-24-81 Swabbed all day.

| | | | | | | |
|---|---|---|---|---|---|---|
| 7:30 | 1 Run | 1,000' FL | 7.3 BF | 0 BO | 7.3 BW | Swab |
| 8:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW | Swab |
| 9:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW | Swab |
| 10:30 | 2 Runs | 1,000' FL | 22 BF | 0 BO | 22 BW | Swab |
| 11:30 | 2 Runs | 1,000' FL | 7.4 BF | 0 BO | 7.4 BW | Swab |
| 12:30 | 2 Runs | 1,000' FL | 23.9 BF | 0 BO | 23.9 BW | Swab |

Totals 10 runs, 104.6 BF, 0 BO, 104.6 BW. BLOTR 0, BLWTR 348.1

Gold Bar #2 pg 2

Form No. DOC DR PR02

12-25-81 through 12-27-81 SD, no crews out.

PAGE: _

DAYS FROM RIG UP 27 CUM IDC $207,548.00

PRESENT OPERATION - Pulling tbg to run CIBP.

12-28-81 Swabbed 130 BF, all water. BLOTR 0, BLWTR +514.

DAYS FROM RIG UP 28 CUM IDC $218,248.00

PRESENT OPERATION - Perforating 8,444'-8,454'.

12-29-81 Pulled tbg and pkr. Ran back in the hole w/ a CIBP on a wire line and set it at 9,220'. Ran back in the hole w/ the tbg to swab fluid down to 5,000'. Will pull tbg and perforate csg today. BLOTR 0, BLWTR +514.

DAYS FROM RIG UP 29 CUM IDC $218,648.00

PRESENT OPERATION - Test csg and perforating.

12-30-81 Swabbed fluid in hole down to 5,000'. Changed out tree from 3,000 PSI to 5,000 PSI. Waited on pump truck to press test csg. Did not arrive will press test csg first thing this morning. Pull tbg and perforate. BLOTR 0, BLWTR 0.

DAYS FROM RIG UP 33 CUM IDC $226,648.00

PRESENT OPERATION - Swabbing.

12-31-81 Press tested csg to 7,000 PSI and held for 10 min. Swabbed fluid level down to 5,000'. POOH and perforated from 8,440' to 8,454' (11) holes. Will finish runni tbg in the hole, set the pkr and swab today. BLOTR 0, BLWTR 0.

1-1-82 7:30 to 9:30 RIH w/ 40 stands of tbg. Set pkr at 8,430'. 9:30 to 2:30 Swabbing.

| | | | | | |
|---|---|---|---|---|---|
| 9:30 | 2 Runs | 5,000' FL | 22 BF | 0 BO | 22 BW |
| 10:30 | 2 Runs | 8,400' FL | 9.3 BF | 0 BO | 9.3 BW |
| 11:30 | Wait on fluid level to increase. | | | | |
| 1:30 | 1 Run | 8,400' FL | 0 BF | 0 BO | 0 BW |

Totals 31.3 BF, 31.3 BW.

1-2-82 SD, no crews out.

1-3-82 SD, no crews out.

PAGE:

DAYS FROM RIG UP 34 CUM IDC $228,648.00

PRESENT OPERATION - Pulling tbg and pkr.

1-4-82 SITP 0. There was not any press on well after being SI over the weekend. Made 1 swab run immediatly after arriving on location. Did not swab anything. Made anoth swab run at 12:00 (noon), still nothing. Made another swab run at 3:00 P.M. and se crew home. 7:30 to 3:00, made 3 swab runs, 8,400' FL, recovered 0 BO, 0 BW. BLOTR 0, BLWTR 0.

DAYS FROM RIG UP 35 CUM IDC $230,648.00

PRESENT OPERATION - Running in hole to set CIBP.

1-5-82 Finished pulling tbg, and pkr. Waited on OWP. They arrived late because of be road condition. BLOTR 0, BLWTR 0.

DAYS FROM RIG UP 36 CUM IDC $235,348.00

PRESENT OPERATION - Rerun CIBP.

1-6-82 Ran CIBP and set it at 8,420'. Spotted two sacks of cement on top. Tested csg t 7,000 PSI, did not hold. Let press drop to 4,500 PSI and pumped 3 BPM at this press. Worked with it trying to get CIBP to seal but it would not hold. SD for night. BLOTR 0, BLWTR 0.

DAYS FROM RIG UP 37 CUM IDC $239,288.00

PRESENT OPERATION - Press testing CIBP.

1-7-82 Ran down hole w/ a CIBP on wire line and set it at 8,400'. Filled hole w/ water i order to press test CIBP to 7,000 PSI first thing this morning. If CIBP holds, wi run tbg in hole and swab fluid down to 5,000'. BLOTR 0, BLWTR 0.

POOR COPY

WELL NAME: Gold Bar #2

GOLD BAR # 2
CANE CREEK FORMATION PERFORATION 8,444' - 54'
PBTD 9,220' T.D. 9,682'
DAYS FROM RIG UP 38 CUM IDC $ 246,788.00
PRESENT OPERATION - Running tubing and packer

1-8-82 Tested CIBP to 7000 psi, hold 10 min., Ran tubing down hole and swabbed fluid down to 5,00'. Pulled tubing and perforated casing as follows: 8270-74' 3 holes, 8276-78' 3 holes, 8282-83' 2holes, 8286-89' 4 holes, 8294-8316 23 holes.

DAYS FROM RIG UP 40 CUM IDC $248,888.00

PRESENT OPERATION - Swab test.

1-9-82 Ran in the hole w/ tbg and pkr, and set the pkr at 8,226'. Rigged up and swabbed 4½ hrs. Swabbed hole dry. Recovered 29 BW. BLOTR 0, BLWTR 0.

1-10-82 SD, no crews out.

DAYS FROM RIG UP 41 CUM IDC $250,888.00
PRESENT OPERATION - Preparing to breakdown Upper Cane Creek.

1-11-82 When crew arrived on location, there was not any press on the tbg. They made a swab run immediatly upon arrival and one every two hours thereafter. There was not any fluid in the tbg. The formation did not produce any fluid from Saturday (5:00 P.M.) until Monday (8:00 A.M.) BLOTR 0, BLWTR 0.

DAYS FROM RIG UP 42 CUM IDC $258,400.00
PRESENT OPERATION - Swabbing.

1-12-82 SITP 50#. Rigged up and broke down formation, (Upper Cane Creek). Treated with 3,000 gals of lease crude oil containing 1 gal/1,000 F-Flow, 600 SCF/BBL $N_2$ and 5 gal/1,000 FR-5A, 75 (1.1 sp gr) RCN ball sealers. Avg rate 4 BPM, avg press 6,400 PSI, max rate 4 BPM, max press 6,500 PSI. Open well and flowed 2 hrs and died. No gauge on fluid recovered. BLOTR -122.

DAYS FROM RIG UP 43 CUM IDC $260,400.00
PRESENT OPERATION - Swabbing.

1-13-82 Rigged up swabbing unit and made 4 swab runs and swabbed well dry. Swabbed 74 BBLS of the 122 BBLS of lease oil that had been pumped into the formation during the breakdown. BLOTR -48, BLWTR 0.

DAYS FROM RIG UP 44 CUM IDC $262,400.00
PRESENT OPERATION - Swabbing.

1-14-82 SITP 0#, SICP 0#. No pressure on well. Made a swab run and did not pick up anything. Made 4 more swab runs and did not swab any oil or water.

| | | | | |
|---|---|---|---|---|
| 7:30 | 1 Run | 8,000' FL | 0 BF | 0 BO |
| 9:00 | 1 Run | 8,000' FL | 0 BF | 0 BO |
| 11:00 | 1 Run | 8,000' FL | 0 BF | 0 BO |
| 1:00 | 1 Run | 8,000' FL | 0 BF | 0 BO |
| 8:00 | 1 Run | 8,000' FL | 0 BF | 0 BO |

BLOTR -48, BLWTR 0.

Form No.
DOC DR/PR026 (4/81)

GOLD BAR UNIT # 2
C SW Sec. 23 T25S-R20E
Grand, UT
U-17435

PAGE

GOLD BAR # 2
CANE CREEK FORMATION — PERFORATION 8,270'-8,316'
PBTD 9,220 — T.D. 9,682'
DAYS FROM RIG UP 45 — CUM IDC $264,400.00
PRESENT OPERATION - shut down

1-15-82 No pressure on wellhead. Made 3 swab runs and did not swab anything.
BLOTR -48 BLWTR 0

DAYS FROM RIG UP 47 — CUM IDC $264,400.00

PRESENT OPERATION - Swab test.

1-16-82 SD, no crews out. BLOTR -48, BLWTR 0.

1-17-82 SD, no crews out. BLOTR -48, BLWTR 0.

DAYS FROM RIG UP 48 — CUM IDC $266,400.00
PRESENT OPERATION - Hauling water to frac with.

1-18-82 SITP 0#, SICP 0#. Upon arrival at location there was not any press on well (SI 60 hrs). Made one swab run and swabbed 3½ BO, no water. Made 2 more swab runs, but both were dry. Hauling fresh water today to get ready to frac tomorrow morning.

| | | | | | |
|---|---|---|---|---|---|
| 8:00 | 2 Runs | 7,400' FL | 3.5 BF | 3.5 BO | 0 BW |
| 11:00 | 1 Run | 8,000' FL | 0 BF | 0 BO | 0 BW |

BLOTR -44.5, BLWTR 0.

DAYS FROM RIG UP 49 — CUM IDC $269,900.00
PRESENT OPERATION - Moving Western in to frac.

1-19-82 Changed out BOP and hauled frac water. 7:30-9:30 Rigged up 5,000 PSI BOP's, 9:30-3:30 Hauled water. BLOTR -44.5, BLWTR 0.

DAYS FROM RIG UP 50 — CUM IDC $273,790.00
PRESENT OPERATION - Flow back.

1-20-82 Frac upper Cane Creek w/ 25,200 gals Apollo 40 gal containing 5% KCL 1 gal/1,000 Aquaflow, 1 gal/1,000 Fracide, 46,000# 20/40 sand. Flushed w/ 7,728 gals 2% KCL, avg rate 25 BPM, avg press 5,500 PSI, max rate 25 BPM, max press 5,600 PSI. ISIP 4,900 PSI 15 min 4,600 PSI. Breakdown 1-13-82. BLOTR -44, BLWTR -706.

DAYS FROM RIG UP 51 — CUM IDC $276,090.00
PRESENT OPERATION - Swabbing.

1-21-82 Released press off well and let well flow. Flowed 185 BW, ran tbg and tried to set Baker pkr. Could not set it. Swabbed 60 BF, no oil or gas.

| | | | | | |
|---|---|---|---|---|---|
| 7:30 | Flowed well. | | | | |
| 1:00 | Ran tbg and pkr. Could not set pkr. | | | | |
| 2:30 | 4 Runs | 0 | 27 BF | 0 BO | 27 BW Swabbed. |
| 8:30 | 4 Runs | 1,206' FL | 27 BF | 0 BO | 27 BW |
| 4:30 | 4 Runs | 2,500' FL | 26 BF | 0 BO | 26 BW |

BLOTR -44, BLWTR -441.

DAYS FROM RIG UP 52 — CUM IDC $278,290.00
PRESENT OPERATION - Swabbing

1-22-82 Swabbed all day - Fluid level came up 1000' over night. No pressure on tubing. Swab test on next page.

| | | FTP | BF | BW |
|---|---|---|---|---|
| 7:30 A.M. | 2 | 3000 | 16.7 | 16.7 |
| 8:30 | 2 | 3500 | 25.1 | 25.1 |
| 9:30 | 2 | 4500 | 20.9 | 20.9 |
| 10:30 | 1 | 5500 | 8.4 | 8.4 |
| 11:30 | 2 | 6500 | 20.9 | 20.9 |
| 12:30 P.M. | 1 | 7000 | 0 | 0 |
| 1:30 | 1 | 7000 | 0 | 0 |
| 2:30 | 1 | 6500 | 5.2 | 5.2 |

BLOTR -44 BLWTR -344

PRESENT OPERATION - Swabbing and WOO.

1-23-82 Swabbed 8 hrs, (6 swab runs) and swabbed 21 BF, all frac water, no oil. Swabbed off after third run.

| | | | | | |
|---|---|---|---|---|---|
| 7:30 | 3 Runs | 4,500' FL | 21 BF | 0 BO | 21 BW |
| 11:30 | 1 Run | 8,000' FL | 0 BF | 0 BO | 0 BW |
| 1:30 | 1 Run | 8,000' FL | 0 BF | 0 BO | 0 BW |
| 3:30 | 1 Run | 8,000' FL | 0 BF | 0 BO | 0 BW |

BLOTR -44, BLWTR -323.

1-24-82 SD Sunday. BLOTR -44, BLWTR -323.

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DAYS FROM RIG UP 55 CUM IDC $282,290.00
PRESENT OPERATION - Pulling tbg.

1-25-82 SI for 38 hrs, was not any press on tbg. Made 5 swab runs and swabbed 17 BW.

| | | | | | | |
|---|---|---|---|---|---|---|
| 8:00 | 2 Runs | 5,000' FL | 14 BF | 0 BO | 14 BW |
| 10:00 | 1 Run | 7,500' FL | 3 BF | 0 BO | 3 BW |
| 12:00 | 1 Run | 8,000' FL | 0 BF | 0 BO | 0 BW |
| 3:00 | 1 Run | 8,000' FL | 0 BF | 0 BO | 0 BW |

BLOTR -44, BLWTR -309.

DAYS FROM RIG UP 56 CUM IDC $289,090.00
PRESENT OPERATION - Test CIBP and perforate.

1-26-82 POOH w/ tbg and pkr. Hauled brine water to location to fill hole for press test. RIH w/ CIBP on wire line and set it at 8,200'. Spotted 2 sacks of cement on top of it. SD for night. BLOTR -44, BLWTR -309.

DAYS FROM RIG UP 57 CUM IDC $294,020.00
PRESENT OPERATION - Swabbing.

1-27-82 Pressured up on CIBP to 6,500 PSI and held press 10 min. Perf csg w/ 4 shot at 6,625' then ran tbg and pkr down hole. Set pkr at 6,506' and swabbed 38 BW. Started swabbin drilling mud so released pkr and circ mud from hole. Clean out.

GOLD BAR #2
CANE CREEK FORMATION PERFORATION 6,625'-26' 4 HOLES
PBTD 9,220' T.D. 9,682'
DAYS FROM RIG UP 58 CUM IDC $296,202.00
PRESENT OPERATION - Swab and inject water down backside.

1-28-82 Swabbed 238 BF, all drilling mud. Stopped swabbing at 10:30 and reverse circ mud out of the hole because it was to thick to swab. Drilling mud starting to thin out. BLOTR 0, BLWTR 0.

PRESENT OPERATION-Swabbing

1-29-82 Swabbed from 7:30 to 12:00 then released packer and tried to reverse circulated. Pumped 130 bbls but could not get any fluid back to surface. Stopped trying to circulate and swabbed again. Mud had thinned out to some degree.

DAYS FROM RIG UP 61 CUM IDC $301,102.00

PRESENT OPERATION - Cement squeeze.

1-30-81 Swabbed 40 BBLS of mud first 1½ hrs, while hauling water to location. Then started pumping the brine water down the tbg trying to circ up hole between the 5½" and 9 5/8" csg. No return of the water (200 BBLS). No pump press. Tbg on vacuum after stopped pumping. BLOTR 0, BLWTR -310.

1-31-82 SD Sunday. BLOTR 0, BLWTR -310.

DAYS FROM RIG UP 62 CUM IDC $317,177.00
PRESENT OPERATION - WOO.

2-1-82 Called Dowell in Grande Junction to go to Gold Bar #2 to pump 400 sacks of cement behind 5½" csg. Dowell arrived on location at 4:00 P.M. and pumped the 400 sacks down tbg at 3½ BPM. Followed cement with brine water. Max press 300 PSI and oil started coming out of 5½" - 9 5/8" csg annulus at end of job. SI for night. BLOTR 0, BLWTR -310.

DAYS FROM RIG UP 63 CUM IDC $320,177.00
PRESENT OPERATION - Running.

2-2-82 Pressured up to 500 PSI on tbg and held 10 min. Released pkr and pulled tbg. After the tbg and pkr were out of the hole, checked to find out if cement job would hold press and it held 2,000 PSI for 10 min. Ran csg scraper and 20 jts tbg in hole. BLOTR 0, BLWTR -310.

DAYS FROM RIG UP 64 CUM IDC $325,277.00
PRESENT OPERATION - WOO.

2-3-82 Ran on down hole w/ scraper to 8,065'. Circ hole and cleaned down to 8,097'. Pulled the tbg and scraper and then ran a cement bond log. Log didn't look very good. Sent copy to Denver. BLOTR 0, BLWTR -310.

DAYS FROM RIG UP 64 CUM IDC $329,677.00
PRESENT OPERATION - Rigging up Dowell to pump into perfs.

2-4-82 Waited on Denver to look at logs then received orders to shoot 4 squeeze holes at 6500'. Called Gearhart to location ( arrived at 2:00 P.M.) They rigged up to run the 4" gun and their equipment broke down. They repaired their equipment and shot the four holes at 6500' using premium charges.
BLOTR 0 BLWTR -310

POOR COPY

CUM IDC $ 340,922.00
DAYS FROM RIG UP 66
PRESENT OPERATION Pulling tubing

2-5-82 Rigged up Dowell and pumped into perfs, at 2 BPM (4000 psi) . Set cement retainer and ran tubing in hole stung into retainer and pumped 50 sks of cement at 2 BPM & 4000PSI stagged last 50 sks bu pumping 1/2 sks and waiting 15 min. at end of job pressured up to 5000 psi.

BLOTR 0 BLWTR - 310

DAYS FROM RIG UP 68 CUM IDC $331,677.00

PRESENT OPERATION - Drill out retainer and cement.

2-6-82 Pulled tbg out of the hole. Picked up bit and scruper and ran them in hole on the tbg. Will start drilling out cement retainer and cement tomorrow.

2-7-82 Well SI, no crews out.

DAYS FROM RIG UP 69 CUM IDC $333,877.00
PRESENT OPERATION - Drilling cement retainor and cement.

2-8-82 Ran bit, scruper and tbg down to top of cement retainer and drilled most of cement retainer.

DAYS FROM RIG UP 70 CUM IDC $337,877.00
PRESENT OPERATION - Fishing for cone off bit.

2-9-82 Drilled on retainer for 1 hr and drill string started torquing up. Pulled tbg and left a cone in the hole. Ran a magnet on the sand line and picked up pieces of the CIBP. One piece was 6" long and 2"in diameter. Did not pick up the cone.

DAYS FROM RIG UP 71 CUM IDC $341,377.00
PRESENT OPERATION - Drill cement and press test csg.

2-10-82 Made 6 runs with the magnet on the sand line and picked up alot of junk. Ran in the hole with a mill and milled the remaining part of the cement retainer and 12' of cement. Probably have about 40' of cement to drill.

DAYS FROM RIG UP 72 CUM IDC $344,377.00
PRESENT OPERATION - Pulling tbg and log.

2-11-82 Milled down to 6,630' and drilled through cement. Ran on down to 6,727'. Hit a few cement stringers. Tried to press test csg and Western's truck broke down.

DAYS FROM RIG UP 73 CUM IDC $351,707.00
PRESENT OPERATION - Run pkr to isolate csg leak.

2-12-82 Press tested csg, at 4,000 press held, at 5,000 PSI pumped 2.5 BPM. Pulled tbg and drill collars and ran a bond log. Log looked good. Copy sent to Denver.

DAYS FROM RIG UP 75

PRESENT OPERATION - WOC.

2-13-82 Ran a pkr down to 6,646' (1st squeeze holes at 6,625') and pressured up to 6,000 PSI, held 15 min. Moved pkr up to 6,550' and pumped 1.1 BPM down tbg at 4,200#. Pressured up on back side to test squeeze holes at 6,499' and it held 6,000 PSI.

2-14-82 SD for Sunday.

GOLD BAR #2
CLASTIC #10 FORMATION PERFORATION 6,499'-6,500' 4 HOLES
PBTD 9,220' T.D. 9,682'
DAYS FROM RIG UP 76 CUM IDC $356,776.00
PRESENT OPERATION - POOH and perf.

2-15-82 Wait on orders.

GOLD BAR #2
CLASTIC #10 FORMATION — PERFORATION 6,580'-6,609' 57 HOLES
PBTD 8,200' — T.D. 9,682'
DAYS FROM RIG UP 87 — CUM IDC $399,055.00
PRESENT OPERATION - Squeeze cementing.

2-25-82 Ran tracer test at .5 BPM. Logs show fluid going out of the holes at 6,625'.

DAYS FROM RIG UP 88 — CUM IDC $401,555.00
PRESENT OPERATION - Squeeze cement

2-26-82 Released the packer. Ran it down hole and swabbed the oil out of the hole. Pulled tubing, picked up CIBP and ran it down hole. Set it at 6,550'. Ran CIBP stinger and tubing back in hole.

DAYS FROM RIG UP 90 — CUM IDC $411,153.00

PRESENT OPERATION - Drill out cement retainer and cement.

2-27-82 Rigged up Dowell and press tested flow lines and manifold. Pressured up on back side to 2,000 PSI. Pumped 50 sx cement at 1 BPM then staged next 50 sx ½ BBL then waited 15 min. After 6 BBLS press went to 4,800# PSI. Pulled out of cement retainer and reverse hole to clean out all cement in tbg. POOH w/ 20 jts. SD for night. 7:30-8:30 WO Dowell. 8:30-11:30 Rigged up Dowell and tested lines. 11:30-1:15 Pumped 50 sx cement. 1:15-3:20 Staged cement. BLOTR +1, BLWTR 0.

2-28-82 SD Sunday.

CUM IDC $413,803.00
PRESENT OPERATION - Drilling cement retainer.

3-1-82 Pulled tbg and picked up drill collars and mill. RIH and tagged cement retainer (6,560'). Milled retainer (6") in 1 hr and 45 min. Hope to mill out rest of the retainer and all of the cement today. BLOTR +1, BLWTR 0.

CUM IDC $416,653.00
PRESENT OPERATION - Run cement bond log and press test.

3-2-82 Milled cement retainer and cement. Fell through cement at 6,625'. Ran on down to 6,700'. Hole was clean. Pulled tbg, drill collars and mill. BLOTR +1, BLWTR 0.

CUM IDC $427,295.00
PRESENT OPERATION - WOO.

3-3-82 Picked up csg scraper and ran it to 7,000'. POOH and ran bond log to 6,800'. Bond looked good from 6,550' to 6,650'. Otherwise not so good. Pressureed up to 4,500 PSI and pumped fluid away at 2½ BPM. BLOTR +1, BLWTR 0.

GOLD BAR #2
CLASTIC #10 FORMATION — PBTD 8,200'
T.D. 9,682' — DAYS FROM RIG UP 94
CUM IDC $430,335.00
PRESENT OPERATION - Squeeze cementing.

3-4-82 Waited on orders until about 10:30 A.M. Started in hole w/ R-3 pkr at 12:00 noon. Had pkr set at 6,080' by 3:00 P.M. and sent crew to town. Dowell is scheduled to be on location early this morning to squeeze.

CUM IDC $437,440.00
PRESENT OPERATION - Drill out cement after squeeze

3-5-82 Squeezed four holes at 6,625'. Pumped brine water to establish a rate of 2 BPM at 4,500 PSI. Then pumped 50 sacks cement at 1 BPM. Stage cemented 1/2 BBL and waited 15 min (at 1/2 BPM) until pressure reached 6,000 PSI. Released packer, circulated bottoms up and pulled 16 stands.

CUM IDC $440,140.00

PRESENT OPERATION - Drilling cement.

3-6-82 Picked up bit, csg scraper and drill collars and ran them down hole. Hit cement at 6,200'. Drilled down to 6,342' and then pulled one stand and reverse circulated. Will continue drilling tomorrow.

3-7-82 SD Sunday.

CUM IDC $442,840.00
PRESENT OPERATION - Drilling cement if any.

3-8-82 Drilled cement from 6,347' to 6,593'. Driller seemed to think we were out of cement at this point. Will go on down hole to find out. 7:30-3:30 Drilled cement 6,347' to 6,593'.

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 23, 1982

Davis Oil Company
410 17th Street, Suite 1400
Denver, Colorado 80202

Re: Well No. Gold Bar Unit #2
Sec. 23, T. 25S, R. 20E.
Grand County, Utah

Well No. Oles Federal #1
Sec. 15, T. 38S, R. 24E.
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

CF/cf
Enclosure

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen

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Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-17435

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ----------

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: Gold Bar Unit

2. NAME OF OPERATOR: Davis Oil Company

8. FARM OR LEASE NAME: ----------

3. ADDRESS OF OPERATOR: 410 17th St. Suite 1400, Denver, CO 80202

9. WELL NO.: #2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: CSW Sec. 23 T25S R20E

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 23 T25S R20E

14. PERMIT NO.: 43-01930810

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4852 GL 4864 KB

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | | PULL OR ALTER CASING | | WATER SHUT-OFF | | REPAIRING WELL | |
| FRACTURE TREAT | | MULTIPLE COMPLETE | | FRACTURE TREATMENT | | ALTERING CASING | |
| SHOOT OR ACIDIZE | | ABANDON* | X | SHOOTING OR ACIDIZING | | ABANDONMENT* | |
| REPAIR WELL | | CHANGE PLANS | | (Other) | | | |
| (Other) | | | | | | | |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

RECEIVED
OCT 22 1982
DIVISION OF
OIL, GAS & MINING

Current Status: TA as of March 18, 1982
TD: 9682'
PBTD: 6620'
Casing Record: 13 3/8", 54.5#, K-55 set @ 500' w/400 sx.
9 5/8", 36#, K-55 set @ 4960' w/1300 sx.
5½", 20#, set @ 9682' w/155 sx.
(Casing will be abandoned in place)
Perfs: 6593'-6600', 8270'-8316, 8444'-54, 9267'-72, 9392'-9472', 9522'-9560
Leadville Formation, Clastic #10 Formation and Cane Creek Formation
Plugging Procedure:
1. Spot a 25 sx cement plug across existing perfs (6593'-6600')
2. Pump 35 sx down surface casing/production casing annulus. This will cover a minimum of 100' of annular space.
3. Place a 25 sx cement plug in smallest csg. extending to surface and install a regulation dryhole marker.
4. Clean, level and re-seed per landowners satisfaction.

18. I hereby certify that the foregoing is true and correct

SIGNED REB TITLE Rocky Mountain Division Mgr. DATE 10/19/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

**HALLIBURTON SERVICES**
# JOB LOG

FORM 2013 R-2

WELL NO. 2 LEASE Gold Bar TICKET NO. 574761
CUSTOMER Davis Oil Co. PAGE NO. 1
JOB TYPE Plug To Abandon DATE 11-8-92

| CHART NO. / TIME | CHART NO. | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS T | PUMPS C | PRESSURE (PSI) TUBING | PRESSURE (PSI) CASING | DESCRIPTION OF OPERATION AND MATERIALS |
|---|---|---|---|---|---|---|---|---|
| 8 | 0 | | | | | | | SAFETY meeting |
| 10:35 | 1 | | | | | | | Set Bridge Plug START To Fill Hole |
| 10:37 | 2 | | 6 | | | | | Hole Filled pumped 2 BBL in 9 5/8 |
| 10:40 | 3 | | | | | | | STAND OUT OF Bridge Plug |
| 10:4[illegible] | 4 | | | | | | | START WATER Ahead |
| 10:[illegible] | 5 | 2 | 2 | | | 400 | | WATER Ahead START mixing cmt |
| 10:53 | 6 | 3 | 15 | | | | | cmt mixed START on Displ. |
| 10:59 | 7 | 1.8 | 11 | | | | | W/15 BBL cmt & 11 BBL of mud in STAND PIPE |
| 11:06 | 8 | — | 2 | | | | | W/2 BBL Mud in TOP Bridge OFF |
| 11:08 | 9 | | — | | | 4000 | — | INCREASE PRESSURE To 4000psi |
| 11:20 | 10 | | | | | | | pull 3 STAND Rig up To Reverse out |
| 11:45 | 11 | | | | | | | START To Reverse out |
| 11:57 | 12 | 3.3 | 24 | | | | | Reverse out all cmt. |
| 12:08 | 13 | | | | | | | START pumping To CIRULAT HOLE |
| 12:40 | 14 | 3.4 | 147 | | | | | HOLE STANED CIRULAT START down |
| 13:17 | 15 | | | | | | | START WATER Ahead |
| 13:18 | 16 | 2 | 2 | | | 100 | — | WATER Ahead START mixing cmt (25 |
| 13:[illegible] | 17 | 2 1/2 | 5.2 | | | 500 | — | Cmt mixed START on Displ. |
| 13:33 | 18 | 1.9 | 25.5 | | | 800 | — | Displ in Plug @ 5000 – 4800 |
| 17:[illegible] | 19 | | | | | | | Set Bridge Plug @ 2000 ft |
| 17:15 | 20 | 2 3/4 | | | | 800 | | START To ESTABLISH RATE TO [illegible] |
| 17:25 | 21 | | | | | | | START WATER Ahead |
| 17:26 | 22 | 4 | 2 | | | | | WATER Ahead START mixing cmt |
| 17:32 | 23 | 1.8 | 15 | | | | | Cmt mixed START on Displ. |
| 17:38 | 24 | 1.75 | 10.5 | | | | | Displ in Plug @ 2000-1920 |
| | 25 | | | | | | | Job Complete |
| | 26 | | | | | | | |
| | 27 | | | | | | | Thank you |
| | | | | | | | | Ron & Drew |

CUSTOMER

HALLIBURTON SERVICES

# JOB LOG

WELL NO. 2 LEASE Gallup Ark TICKET NO. 5746

CUSTOMER Davis oil Company PAGE NO. 1

FORM 2013 R-2 JOB TYPE Plug To Abandon DATE 11-8-82

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS T | PUMPS C | PRESSURE (PSI) TUBING | PRESSURE (PSI) CASING | DESCRIPTION OF OPERATION AND MATERIALS |
|---|---|---|---|---|---|---|---|---|
| 0 | 11:20 | | | | | | | SAFETY meeting |
| 1 | 11:24 | | | | | | | START pumping To Circulate HOLE |
| 2 | 13:33 | | 162 | | | | | HOLE circulated w/ mud |
| 3 | 13:37 | | | | | | | START water Ahead |
| 4 | 13:39 | | 5 | | | | | water Ahead START to mix Sx2 |
| 4 | 13:30 | | | | | | | Cement mixed START on Disp. |
| 5 | 13:48 | | 37 | | | | | Disp in plug @ 6659-6457 |
| | | | | | | | | Job complete For The Day |
| | | | | | | | | Thank You |
| | | | | | | | | Run + Get Gas |

CUSTOMER

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 22, 1983

Davis Oil Company
410 17th Street, Suite # 1400
Denver, Colorado 80202

Re: Well No. Gold Bar Unit # 2
Sec. 23, T. 25S, R. 20E.
Grand County, Utah

Well No. Matthew Federal # 2
Sec. 4, T. 26S, R. 20E.
Grand County, Utah

Gentlemen:

The above referred to wells have been currently under a temporarily abandoned status for six months or longer. Would you be kind enough to inform this office of a change in status, or let us know if they are still temporarily abandoned, submitted on a Sundry Notice (Form OGC-1B, enclosed).

Thank you for your prompt attention to the above submittal.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Well Records Specialist

CF/cf
Enclosure

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen

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Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

14

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other

2. NAME OF OPERATOR
Davis Oil Company

3. ADDRESS OF OPERATOR
410 17th St Suite 1400 Denver Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: CSW Sec. 23, T25S, R20E
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
Gold Bar Unit

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. #2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T25S R20E

12. COUNTY OR PARISH: Grand
13. STATE: Utah

14. API NO.
43-01930810

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4852 GL 4864 KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: |
|---|---|---|
| TEST WATER SHUT-OFF | ☐ | ☐ |
| FRACTURE TREAT | ☐ | ☐ |
| SHOOT OR ACIDIZE | ☐ | ☐ |
| REPAIR WELL | ☐ | ☐ |
| PULL OR ALTER CASING | ☐ | ☐ |
| MULTIPLE COMPLETE | ☐ | ☐ |
| CHANGE ZONES | ☐ | ☐ |
| ABANDON* | ☐ | ☒ |
| (other) | | |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugged well as per instructions from Mr. Ressoul (Minerals Management) Nov. 7, 82 as follows:
1. Displaced fluid in casing with 10.5# mud.
2. Set cement plug from 6659'-6459' (25 sacks).
3. Perforated casing (5½") at 5000'. Tried to pump cement outside casing through perfs. Pressured up 4000 psi
4. Set cement plug 5000'-4800' (25 sacks) inside 5½".
5. Perforated casing at 2000'. Pumped 50 sacks cement outside casing through perfs.
6. Set cement plug 2000' to 1800' (25 sacks).
7. Set cement plug 200' to 4' inside and outside

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED C. E. Powell TITLE Asst Dist Supt DATE 11/11/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/12/82
BY: [signature]

*See Instructions on Reverse Side

replace 2nd page of REB-142-980

ROCKY MOUNTAIN DIVISION
SUNDRY NOTICE DISTRIBUTION

Federal Lease

Original + two copies: U.S.G.S. District Office
One copy : State Oil & Gas Conservation Commission

State or FEE Lease

Original + two copies: State Oil & Gas Conservation Commission

One copy to each of the following for all Sundry Notices except as noted:

B.R. PORTER - District Superintendent - Casper DOC

C.H. HERRING - Ass't. District Superintendent - Gillette DOC

Wyoming, Counties of: (only)
Campbell
Sheridan
Johnson
Crook
Weston

C.E. POWELL - Ass't. District Superintendent - Cortez DOC

All of Utah except Rich & Summit Counties
All of Colorado and New Mexico

Garry Roggow
Permit Representative - Casper DOC

Maria McHenry
Engineer Tech - Denver

Julie McGee
Geological Clerk - Denver

Chris Jones
Production Clerk - Denver

Jane Satre
General Acctg. Manager - Denver

B.J. Crawford
Manager of Lse. Records - Denver

Sally Kicklighter
Division Orders - Denver

Ed Phillips
Legal Dept. - Denver

Robert E. Blaylock
Rocky Mountain Division Manager - Denver

REB 4/5/82