

# Subsequent Report of Abandonment

## FILE NOTATIONS

Entered in NID File   
Entered On S R Sheet \_\_\_\_\_  
Location Map Pinned   
Card Indexed   
IWR for State or Fee Land \_\_\_\_\_

Checked by Chief PWB  
Copy NID to Field Office \_\_\_\_\_  
Approval Letter   
Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 12-1-66  
OW..... WW..... TA.....  
GW..... OS..... PA

Location Inspected \_\_\_\_\_  
Bond released \_\_\_\_\_  
State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log 3-2-67

Electric Logs (No.) 4

E \_\_\_\_\_ I Dual E-1  SR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic GR  Others Directional log

Formation Density log

djc  
2-6-91

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
**U.S.A. U-0146513**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Pine Ridge U.S.A.**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 33, T-20S, R-25E**

12. COUNTY OR PARISH 13. STATE  
**San Juan Utah**

22. APPROX. DATE WORK WILL START\*  
**October 6, 1966**

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
**Union Oil Company of California**

3. ADDRESS OF OPERATOR  
**P. O. Box 1611 - Casper, Wyoming**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface **1,844' FWL and 1,867' FWL (NW SE NW)** ✓  
 At proposed prod. zone

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

16. NO. OF ACRES IN LEASE  
**80**

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  
**5,500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**Ungraded ground 7,484'**

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/4"      | 13-3/8" ✓      | 48#             | 120'          | 150 sac            |
| 12-1/4"      | 9-5/8"         | 36#             | 1,980'        | 200 sac            |
| 7-7/8"       | 5-1/2" ✓       | 15.5#           | 5,500'        | 200 sac            |

Union Oil Company of California proposes to drill a 5,500' White Rim sandstone exploratory well.

No coring or drill stem testing is anticipated.

Double ram pressure operated BOP's will be used.

43-037-20144

C-R  
F-L

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.

ORIGINAL SIGNED BY  
**W. J. Mansbridge**

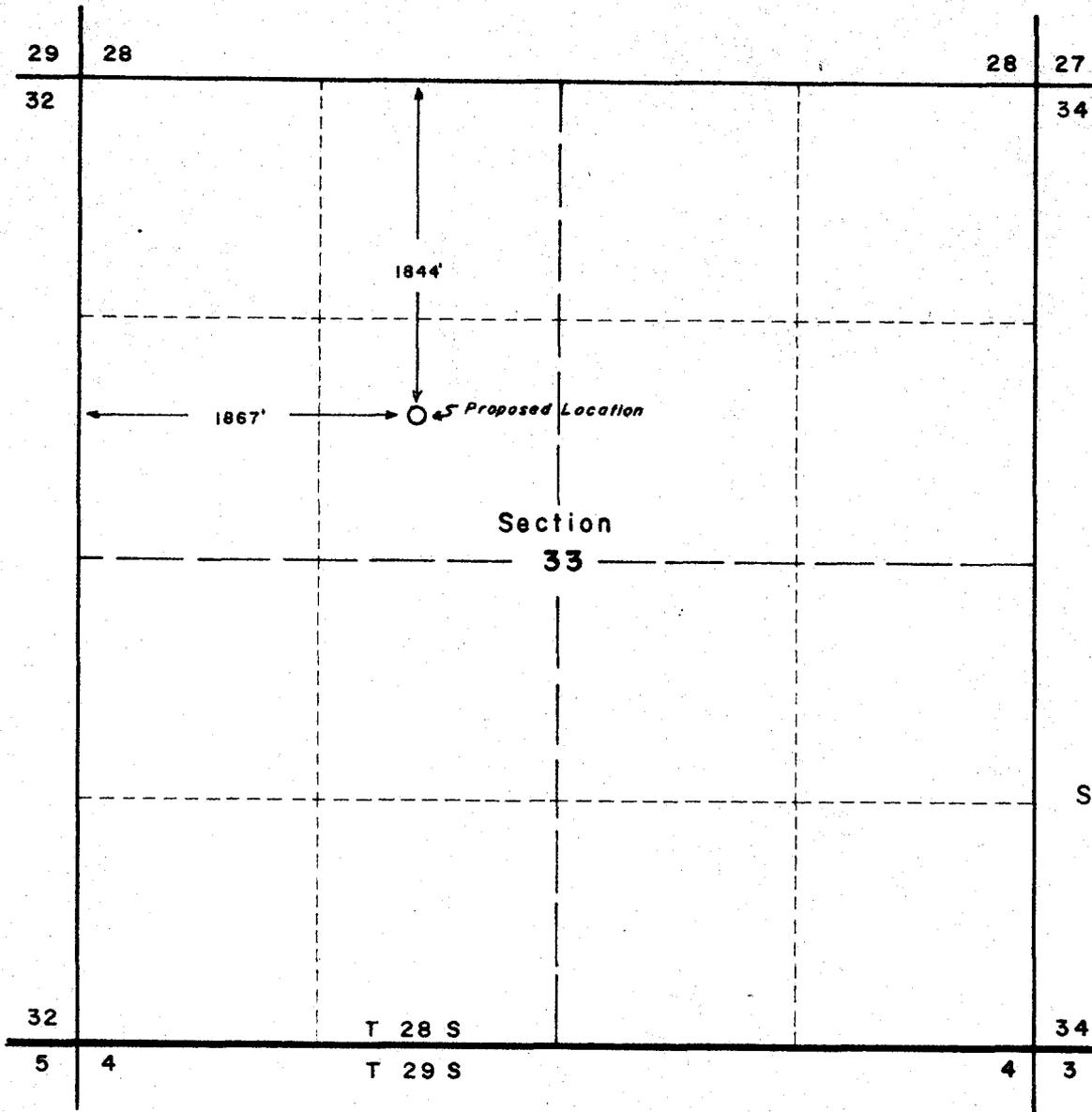
SIGNED W. J. Mansbridge TITLE Dist. Drilling Supt. DATE 9-30-66

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



Scale: 1" = 1000'

**WELL LOCATION: Union Oil Company No. 1 Pine Ridge - U.S.A.**

Located 1844 feet South of the North line and 1867 feet East of the West line of Section 33,  
 Township 28 South, Range 25 East, Salt Lake Base & Meridian  
 San Juan Co., Utah  
 Existing ground elevation determined at 7484 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor  
 State of Utah # 2689



|   |  |
|---|--|
| UNION OIL COMPANY<br>Denver, Colorado                                     |  |
| WELL LOCATION PLAT<br>Sec. 33 - T. 28 S. - R. 25 E.<br>San Juan Co., Utah |  |
| CLARK-REED & ASSOC.<br>Durango, Colorado                                  | DATE: Sept. 21, 1960<br>FILE NO: 66096 |

October 3, 1966

Union Oil Company of California  
P. O. Box 1611  
Casper, Wyoming

Re: Well No. Pine Ridge U.S.A. #1,  
Sec. 33, T. 28 S., R. 25 E.,  
San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

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

PAUL W. BURCHELL, Chief Petroleum Engineer  
HOME: 277-2890 - Salt Lake City, Utah  
OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period. Enclosed please find Form OGCC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

The API number assigned to this well is 43-037-20144 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:sc

cc: Jerry Long, District Engineer  
Box 1809  
Durango, Colorado

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**CONFIDENTIAL**

PERMIT INSTRUCTIONS  
SUBMIT INSTRUCTIONS  
OR  
DATE

Form approved.  
Bureau No. 42-R1424.  
AND SERIAL NO.

U.S.A. U-0146513

**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.)

|   |  |  |
|---|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Drilling Well</b>   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME   |
| 2. NAME OF OPERATOR<br><b>Union Oil Company of California</b>   |  | 7. UNIT AGREEMENT NAME   |
| 3. ADDRESS OF OPERATOR<br><b>P. O. Box 1611 - Casper, Wyoming</b>   |  | 8. FARM OR LEASE NAME<br><b>Pine Ridge U.S.A.</b>                                |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface <b>1,844' FNL and 1,867' FWL (NW SE NW)</b> |  | 9. WELL NO.<br><b>1</b>  |
| 14. PERMIT NO.  |  | 10. FIELD AND POOL, OR WILDCAT<br><b>Wildcat</b>                                 |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>QL 7,484'</b>  |  | 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA<br><b>Sec. 33, T-28S, R-25E</b> |
|   |  | 12. COUNTY OR PARISH <b>San Juan</b> 13. STATE <b>Utah</b>                       |

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

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <b>Supplementary Well History</b> <input checked="" type="checkbox"/>                         |  |
| (Other) <input type="checkbox"/>             |   | (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.)\*

Spudded at 12:00 noon 10-23-66 with 8-3/4" bit. Drilled to 171' with air. Reamed 8-3/4" hole to 17-1/2" to 150'.

Ran 158' of 13-3/8" 48# ST&C new casing. Cemented at 150' KB with 90 sax 50-50 Pozmix, 2% gel, 2% calcium chloride. No returns. W.O.C. 3 hours. Pumped 45 sax in annulus - same mix as above. W.O.C. 3 hours. Dumped 15 sax dry cement in annulus. Pumped 50 sax regular cement with 2% calcium chloride. Still no fill. Dumped 75 gals. of drill cuttings in annulus. Dumped 30 sax regular cement. Filled annulus to surface at 8:30 p.m. 10-25-66.

Tested BOP and surface head with 800 psi. Drilled cement from 125' to 171'. Now drilling at 737'.

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

ORIGINAL SIGNED BY  
SIGNED W. J. Mansbridge TITLE Dist. Drilling Supt. DATE 10-27-66  
W. J. Mansbridge

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# Union Oil Company of California

POST OFFICE BOX 1611



CASPER, WYOMING 82602

October 28, 1966

TEL.: 234-1565

Mr. Cleon B. Feight, Executive Director  
Utah Oil and Gas Conservation Commission  
348 East South Temple  
Suite 301  
Salt Lake City, Utah

Dear Mr. Feight:

The Pine Ridge U.S.A. No. 1, located in the NW SE NW of Sec. 33, T-28S, R-25E, San Juan County, Utah, is being drilled as a "tight hole".

It is respectfully requested that all information on this well be held as confidential. It is anticipated that the information on this well will be released after it is completed. At such time as the information is released, your office will be promptly notified.

Yours very truly,

Harold Simpson  
District Superintendent

HS:js

|                            |                 |      |                  |                 |                        |   |                            |                                   |  |
|----------------------------|-----------------|------|------------------|-----------------|------------------------|---|----------------------------|-----------------------------------|--|
| Flow Time                  | 1st<br>60       | Min. | 2nd<br>15        | Min.            | Date                   | 11-9-66   | Ticket Number              | 351936                            |  |
| Closed In Press. Time      | 1st<br>60       | Min. | 2nd<br>-         | Min.            | Kind of Job            | OPEN HOLE   | Halliburton District       | FARMINGTON                        |  |
| Pressure Readings          | Field           |      | Office Corrected |                 | Tester                 | WHITESIDES  | Witness                    | CLINE                             |  |
| Depth Top Gauge            | 2553'           | Ft.  | Blanked Off      |                 | Drilling Contractor    | WILLARD PEASE DRILLING COMPANY                      |                            |                                   |  |
| BT. P.R.D. No.             | 256             |      | 12               | Hour Clock      | Elevation              | 7497'   | Top Packer                 | 2568'                             |  |
| Initial Hydro Mud Pressure | 1312            |      | 1273             |                 | Total Depth            | 2648'   | Bottom Packer              | 2573'                             |  |
| Initial Closed in Pres.    | 9               |      | 107              |                 | Interval Tested        | 2648' - 2573'                                       | Formation Tested           | CUTLER                            |  |
| Initial Flow Pres.         | 3               | 1    | 28               |                 | Casing or Hole Size    | 8 3/4"  | Casing } Top               |                                   |  |
|                            |                 | 2    | 35               |                 |                        |   | Perfs. } Bot.              |                                   |  |
| Final Flow Pres.           | 3               | 1    | 28               |                 | Surface Choke          | 1"  | Bottom Choke               | 3/4"                              |  |
| Final Closed in Pres.      | -               |      | -                |                 | Size & Kind Drill Pipe | 4 1/2" IF 3 1/2" IF                                 | Drill Collars Above Tester | 2 1/2" I.D. - LENGTH<br>300' - 60 |  |
| Final Hydro Mud Pressure   | -               |      | 1269             |                 | Mud Weight             | 9.2   | Mud Viscosity              | 50                                |  |
| Depth Cen. Gauge           |                 | Ft.  |                  | Blanked Off     | Temperature            | C-100   | Anchor Size & Length       | ID 2 1/2" X 10'<br>OD 6"          |  |
| BT. P.R.D. No.             |                 |      |                  | Hour Clock      | Depths Mea. From       | ROTARY TABLE  | Depth of Tester Valve      | 2548' Ft.                         |  |
| Initial Hydro Mud Pres.    |                 |      |                  |                 | TYPE AMOUNT            |   | Depth Back Pres. Valve     | Ft.                               |  |
| Initial Closed in Pres.    |                 |      |                  |                 | Cushion                | NONE  |                            |                                   |  |
| Initial Flow Pres.         |                 | 1    |                  |                 | Recovered              | 15'   | Feet of drilling mud       | Mea. From Tester Valve            |  |
| Final Flow Pres.           |                 | 2    |                  |                 | Recovered              |   | Feet of                    |                                   |  |
| Initial Flow Pres.         |                 | 1    |                  |                 | Recovered              |   | Feet of                    |                                   |  |
| Final Flow Pres.           |                 | 2    |                  |                 | Recovered              |   | Feet of                    |                                   |  |
| Final Closed in Pres.      |                 |      |                  |                 | Recovered              |   | Feet of                    |                                   |  |
| Final Hydro Mud Pres.      |                 |      |                  |                 | Oil A.P.I. Gravity     |   | Water Spec. Gravity        |                                   |  |
| Depth Bot. Gauge           | 2647'           | Ft.  |                  | Blanked YES Off | Gas Gravity            |   | Surface Pressure           | psi                               |  |
| BT. P.R.D. No.             | 140             |      | 24               | Hour Clock      | Tool Opened            | 6:20 PM   | A.M. Tool Closed           | 8:40 PM A.M. P.M.                 |  |
| Initial Hydro Mud Pres.    | CLOCK STOPPED.  |      |                  |                 | Remarks                | Tool opened for a 60 minute first flow              |                            |                                   |  |
| Initial Closed in Pres.    | NO READINGS ARE |      |                  |                 |                        | with a very weak blow which died in 45 minutes.     |                            |                                   |  |
| Initial Flow Pres.         | AVAILABLE.      |      |                  |                 |                        | Rotated tool for a 60 minute initial closed in      |                            |                                   |  |
| Final Flow Pres.           |                 |      |                  |                 |                        | pressure. Tool reopened for a 15 minute second      |                            |                                   |  |
| Final Closed in Pres.      |                 |      |                  |                 |                        | flow period. No final closed in pressure was taken. |                            |                                   |  |
| Final Hydro Mud Pres.      |                 |      |                  |                 |                        |   |                            |                                   |  |

PINE RIDGE U.S.A.

Lease Name

1

Well No.

1

Test No.

UNION OIL COMPANY OF CALIFORNIA

Lease Owner/Company Name

WILDCAT

County

SAN JUAN

State

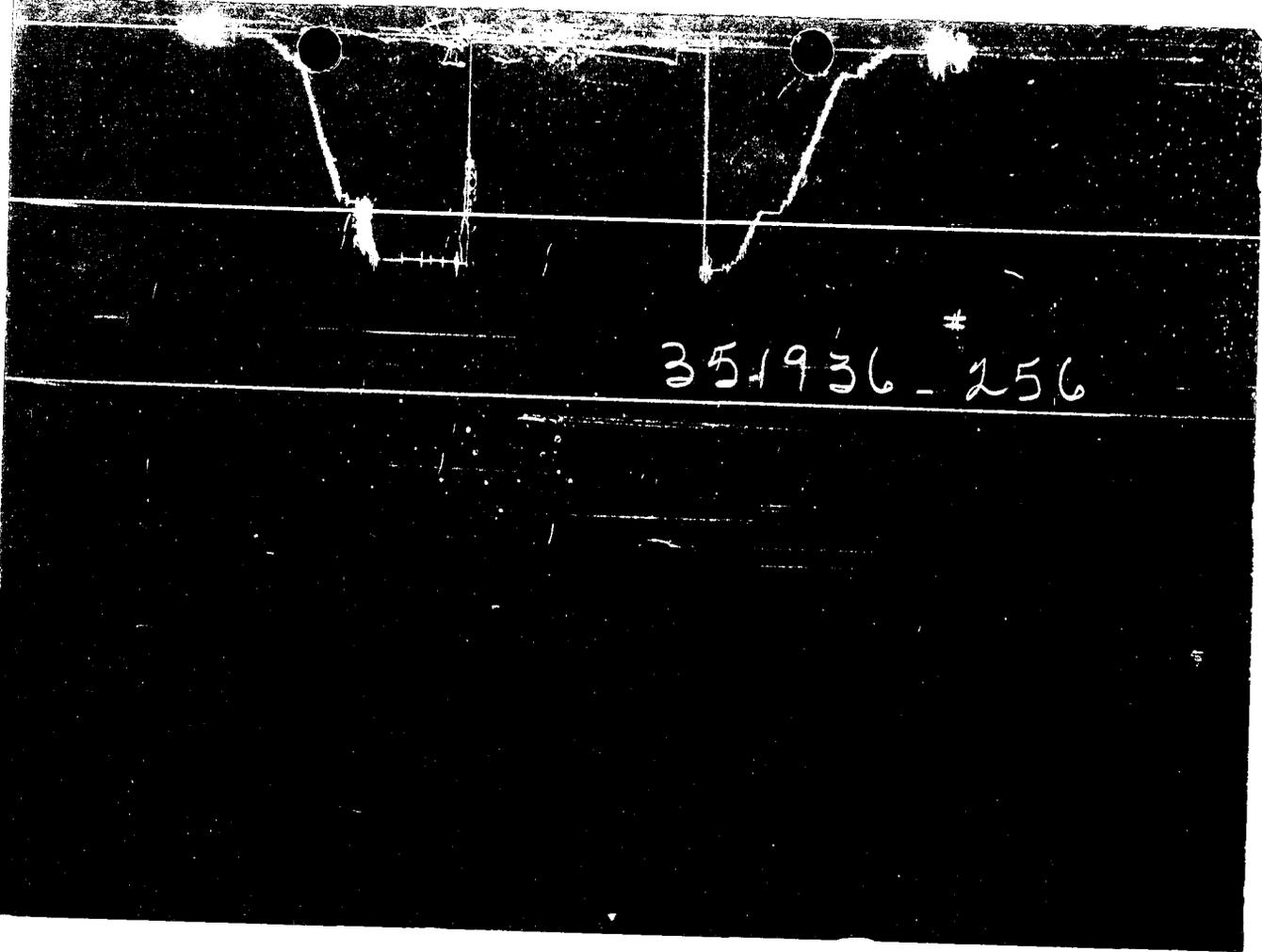
UTAH

Owner's District

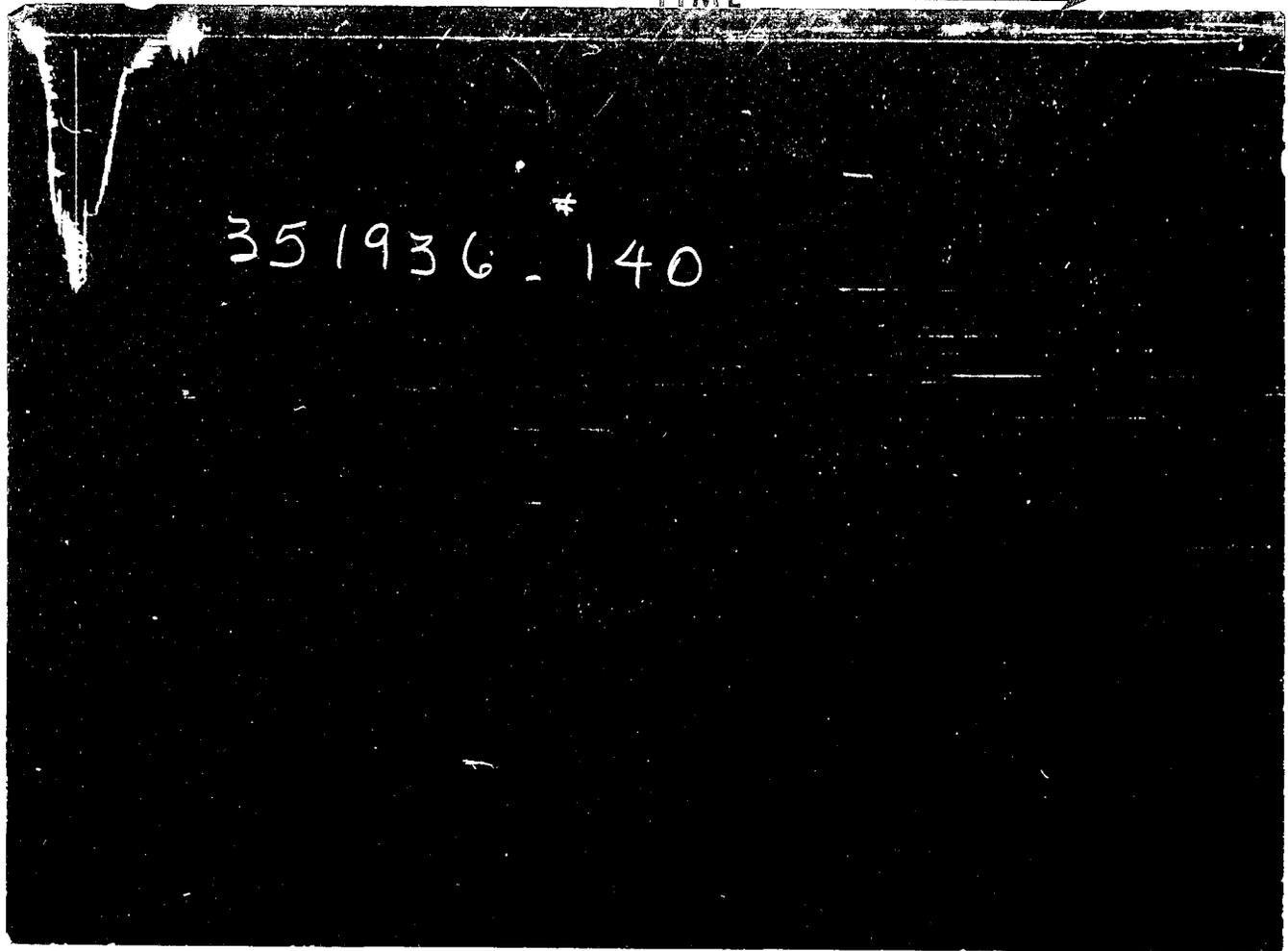
CASPER, WYOMING

FORMATION TEST DATA

220



351936-256



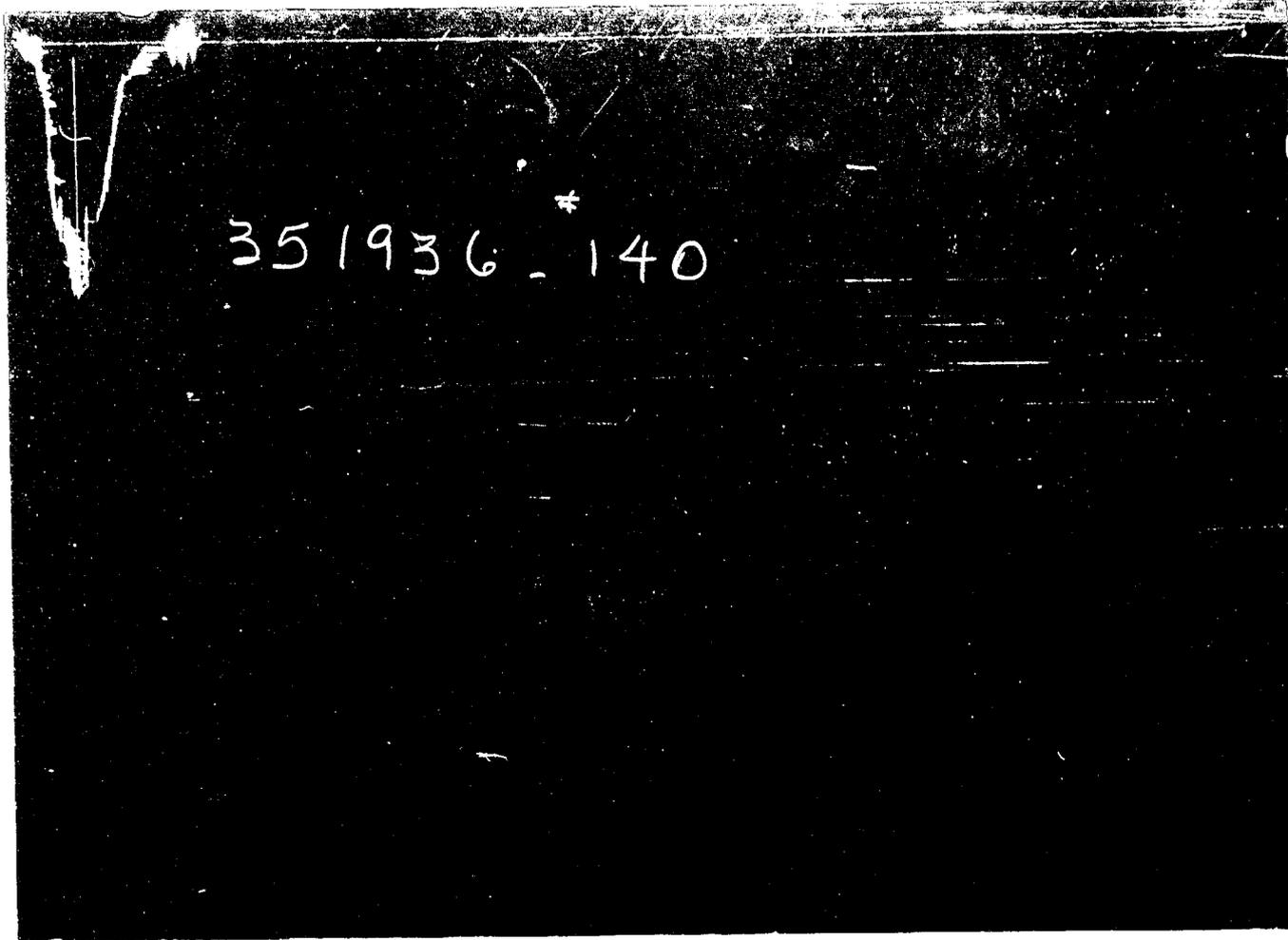
351936-140

Each Horizontal Line Equal to 1000 p.s.i.



↑  
PRESSURE  
↓

← TIME →



Each Horizontal Line Equal to 1000 p.s.i.

| Flow Time                  | 1st Min.        | 2nd Min.         | Date                   | Ticket Number                                       | Legal Location  |
|----------------------------|-----------------|------------------|------------------------|---|---|
| 60                         |                 | 15               | 11-9-66                | 351936  | Sec. - Twp. - Rng.  |
| Closed In Press. Time      | 1st Min.        | 2nd Min.         | Kind of Job            | Halliburton District                                | FARMINGTON  |
| 60                         |                 | -                | OPEN HOLE              |   |   |
| Pressure Readings          | Field           | Office Corrected | Tester                 | Witness   | CLINE   |
|                            |                 |                  | WHITESIDES             |   |   |
| Depth Top Gauge            | 2553' Ft.       | Blanked Off      | Drilling Contractor    | WILLARD PEASE DRILLING COMPANY                      |   |
|                            |                 |                  |                        |   |   |
| BT. P.R.D. No.             | 256             | 12 Hour Clock    | Elevation              | 7497'   | Top Packer 2568'  |
| Initial Hydro Mud Pressure | 1312            | 1273             | Total Depth            | 2648'   | Bottom Packer 2573'                                       |
| Initial Closed in Pres.    | 9               | 107              | Interval Tested        | 2648' - 2573'                                       | Formation Tested CUTLER                                   |
| Initial Flow Pres.         | 1               | 28               | Casing or Hole Size    | 8 3/4"  | Casing Perfs. { Top Bot.                                  |
|                            | 3               | 35               |                        |   |   |
| Final Flow Pres.           | 1               | 28               | Surface Choke          | 1"  | Bottom Choke 3/4"   |
|                            | 3               | 28               |                        |   |   |
| Final Closed in Pres.      | -               | -                | Size & Kind Drill Pipe | 4 1/2" IF 3 1/2" IF                                 | Drill Collars Above Tester 2 3/4" I.D. - LENGTH 300' - 60 |
| Final Hydro Mud Pressure   | -               | 1269             | Mud Weight             | 9.2   | Mud Viscosity 50  |
| Depth Cen. Gauge           | Ft.             | Blanked Off      | Temperature            | C-100 °F Est. °F Actual                             | Anchor Size ID OD 2 1/2" X 6" 10'                         |
| BT. P.R.D. No.             |                 | Hour Clock       | Depths Mea. From       | ROTARY TABLE  | Depth of Tester Valve 2548' Ft.                           |
| Initial Hydro Mud Pres.    |                 |                  | TYPK AMOUNT            |   | Depth Back Pres. Valve Ft.                                |
|                            |                 |                  | Cushion                | NONE  |   |
| Initial Closed in Pres.    |                 |                  | Recovered              | 15' Feet of drilling mud                            | Mea. From Tester Valve                                    |
| Initial Flow Pres.         | 1               |                  | Recovered              | Feet of   |   |
|                            | 2               |                  | Recovered              | Feet of   |   |
| Final Flow Pres.           | 1               |                  | Recovered              | Feet of   |   |
|                            | 2               |                  | Recovered              | Feet of   |   |
| Final Closed in Pres.      |                 |                  | Recovered              | Feet of   |   |
| Final Hydro Mud Pres.      |                 |                  | Oil A.P.I. Gravity     |   | Water Spec. Gravity                                       |
| Depth Bot. Gauge           | 2647' Ft.       | Blanked YES Off  | Gas Gravity            |   | Surface Pressure psi                                      |
| BT. P.R.D. No.             | 140             | 24 Hour Clock    | Tool Opened            | 6:20 PM A.M. P.M.                                   | Tool Closed 8:40 PM A.M. P.M.                             |
| Initial Hydro Mud Pres.    | CLOCK STOPPED.  |                  | Remarks                | Tool opened for a 60 minute first flow              |   |
| Initial Closed in Pres.    | NO READINGS ARE |                  |                        | with a very weak blow which died in 45 minutes.     |   |
| Initial Flow Pres.         | 1               |                  |                        | Rotated tool for a 60 minute initial closed in      |   |
|                            | AVAILABLE. 2    |                  |                        | pressure. Tool reopened for a 15 minute second      |   |
| Final Flow Pres.           | 1               |                  |                        | flow period. No final closed in pressure was taken. |   |
|                            | 2               |                  |                        |   |   |
| Final Closed in Pres.      |                 |                  |                        |   |   |
| Final Hydro Mud Pres.      |                 |                  |                        |   |   |

Legal Location: 33 - 28S - 25E  
 Lease Name: PINE RIDGE U.S.A.  
 Well No.: 1  
 Test No.: 1  
 Field Area: WILDCAT  
 County: SAN JUAN  
 State: UTAH  
 Lease Owner/Company Name: UNION OIL COMPANY OF CALIFORNIA  
 Owner's District: CASPER, WYOMING

FORMATION TEST DATA

20

JH Moab (11/29/66) - Dick Andraberton  
 Uncon. Calif - Penneridge  
 sec 33 T 28 S R 25 E San Juan Co.

Top Smei Logs:

- Moroni - 74'
- Enlid - 466
- Carmel - 570
- Haraji - 870 <sup>Water</sup>
- Hayonta - 1368 <sup>to 228'</sup>
- Wingote - 1596 <sup>same as</sup>
- Charlie - 1904
- Worshpe - 2110 ?
- Culla - 2522 <sup>same as</sup>
- Powder Coy Deck - 3468
- Pure of " = 4079
- White Dome = 4664
- T. D. - 4751

DST  
 Culla = gr. beds = 100 psi - no  
 White Dome = substantial <sup>rearing</sup> water  
 flow = 200 gpm/hr.  
 fresh hr/flowing  
 9.3 mud  
 10.6 to drill

Jerry Fry = U.S.G.S.

- ① 100' = across bottom Culla  
50' above & below (4076)
- ② 2522' = top of Culla (100' -  
50' above 50' below)
- ③ 1904' = Charlie (100' - 50'  
above 50' below)

Hayonta = 1368 = (50' above  
and below)

④ ~~3~~ 9 5/8" @ 1340' = 100' - 50' in  
50' out.

⑤ 10 sh @ surface/mud.

⑥ ~~Recommended~~ well check porosity  
 in Hayonta (1368  
 to 1596) and if it will  
 set additional 100' plug  
 across top of Wingote (1596)  
 50' above & 50' below

Well Test Culla gas and might complete

JHB

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN THIS DIRECTION\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**U.S.A. U-0116513**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Pine Ridge U.S.A.**

9. WELL NO.

**1**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

**Sec. 33, T-28S, R-25E**

12. COUNTY OR PARISH 13. STATE

**San Juan Utah**

1.

OIL WELL  GAS WELL  OTHER **Dry Hole**

2. NAME OF OPERATOR

**Union Oil Company of California**

3. ADDRESS OF OPERATOR

**P. O. Box 1611 - Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)

At surface **1,844' FNL and 1,867' FWL (NW SE NW)**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**GL 7,484'**

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

Drilled 737' to 1,950'. Set 9-5/8" 36# used casing at 1,342'. Cemented with 200 sax 50-50 Poz, 2% gel, 10% NaCl. Plug down at 3:30 p.m. 11-4-66. Drilled to 2,648'. Ran DST No. 1 - 2,573' - 2,648' - Cutler Sandstone. Tool open 1 hr., shut in 1 hr., open 15 mins., no final shut in. Opened with very weak blow. Decreased to no blow in 45 mins. No blow on 2nd opening. Recovered 15' of drilling mud. Pressures: IH & FH 1312; IF & FF 3-3; ISI & PSI 9. Drilled to 4,751' TD. Drilling completed 11-27-66. Ran Schlumberger electric logs. As per verbal approval from U.S.G.S., well plugged and abandoned as follows:

Plug No. 1 - 4,126' - 4,026' - 100' - 49 sax

Plug No. 2 - 2,572' - 2,472' - 100' - 44 sax

Plug No. 3 - 1,954' - 1,854' - 100' - 82 sax

Plug No. 4 - 1,418' - 1,318' - 100' - 82 sax

Plug No. 5 - 10 sax at surface with dry hole marker installed in accordance with U.S.G.S. regulations. Rig released at 3:00 a.m. 12-1-66.

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

ORIGINAL SIGNED BY  
SIGNED W. J. Mansbridge  
W. J. Mansbridge

TITLE Dist. Drilling Supt.

DATE Dec. 2, 1966

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

**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.

5. LEASE DESIGNATION AND SERIAL NO.

**U.S.A. U-0146513**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Pine Ridge U.S.A.**

9. WELL NO.

**1**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Sec. 33, T-208, R-25E**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**Utah**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR

**Union Oil Company of California**

3. ADDRESS OF OPERATOR

**P. O. Box 1611 - Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface **1,844' FNL & 1,867' FNL (NW SE NW)**

At top prod. interval reported below

At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

|                                     |  |  |   |                      |
|-------------------------------------|--|--|---|----------------------|
| 15. DATE SPUNDED<br><b>10-23-66</b> | 16. DATE T.D. REACHED<br><b>11-27-66</b> | 17. DATE COMPL. (Ready to prod.)<br><b>12-1-66</b> | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br><b>OL 7,484'</b> | 19. ELEV. CASINGHEAD |
|-------------------------------------|--|--|---|----------------------|

|  |                               |                                   |                               |                                  |             |
|--|-------------------------------|-----------------------------------|-------------------------------|----------------------------------|-------------|
| 20. TOTAL DEPTH, MD & TVD<br><b>4,751'</b> | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY<br>→ | ROTARY TOOLS<br><b>0'-4,751'</b> | CABLE TOOLS |
|--|-------------------------------|-----------------------------------|-------------------------------|----------------------------------|-------------|

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

**Dry Hole**

**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**IES; GR-S; Density; Laterolog; Dipmeter**

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 |
|----------------|-----------------|----------------|----------------|--------------------------|---------------|
| <b>13-3/8"</b> | <b>48#</b>      | <b>150'</b>    | <b>17-1/2"</b> | <b>90 sax 50-50 Pos</b>  | <b>-0-</b>    |
| <b>9-5/8"</b>  | <b>36#</b>      | <b>1,342'</b>  | <b>12-1/4"</b> | <b>200 sax 50-50 Pos</b> | <b>-0-</b>    |

29. LINER RECORD

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

30. TUBING RECORD

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
|                     |                                  |
|                     |                                  |
|                     |                                  |

31. PERFORATION RECORD (Interval, size and number)

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

33.\* PRODUCTION

|  |  |                                    |                         |          |            |                         |               |
|--|--|------------------------------------|-------------------------|----------|------------|-------------------------|---------------|
| DATE FIRST PRODUCTION<br><b>Dry Hole</b> | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |                         |          |            |                         |               |
| 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

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

**ORIGINAL SIGNED BY**

SIGNED **W. J. Mansbridge**  
**W. J. Mansbridge**

TITLE **Dist. Drilling Supt.**

DATE **2-6-67**

\*(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.)

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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.   |
|--|--------|--------|---|
| DST No. 1 - 2,573' - 2,648'  |        |        | Tool open 1 hr., shut in 1 hr., open 15 mins., no final shut in. Opened with very weak blow. Decreased to no blow in 45 mins. No blow on second opening. Recovered 15' of drilling mud. |
| White Rim  | 4,648' | 4,752' | Well flowed 4" stream of water.   |
| Well P & A December 1, 1966 as follows:  |        |        |   |
| Plug No. 1 - 4,126' - 4,026'   |        |        | 100' - 49 sax   |
| Plug No. 2 - 2,572' - 2,472'   |        |        | 100' - 44 sax   |
| Plug No. 3 - 1,954' - 1,854'   |        |        | 100' - 82 sax   |
| Plug No. 4 - 1,418' - 1,318'   |        |        | 100' - 82 sax   |
| Plug No. 5 - 10 sax at surface with dry hole marker installed in accordance with U.S.G.S. regulations. |        |        |   |

38.

GEOLOGIC MARKERS

| NAME       | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|------------|-------------|-----|------------------|
| L/O TIPS:  |             |     |                  |
| Morrison   | 94'         |     |                  |
| Entrada    | 466'        |     |                  |
| Carmel     | 570'        |     |                  |
| Navajo     | 870'        |     |                  |
| Kayenta    | 1,368'      |     |                  |
| Wingate    | 1,596'      |     |                  |
| Chinle     | 1,904'      |     |                  |
| Moenkopi   | 2,110'      |     |                  |
| Cutler     | 2,522'      |     |                  |
| Paradox    | 3,468'      |     |                  |
| Cutler     | 4,076'      |     |                  |
| White Rim  | 4,644'      |     |                  |
| TD-Driller | 4,751'      |     |                  |
| TD-Log     | 4,749'      |     |                  |