

# Subsequent Report of Abandonment

## FILE NOTATIONS

Entered in NID File

Entered on SR Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief DEW

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed 5-6-68

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log 1-17-68

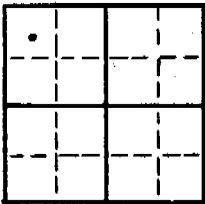
Electric Logs (No. ) 4

E Dual 1 - Pot (2) E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

Completed Formation Density Log (F)

JLC  
8-24-90



Sec. 32

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

**CONFIDENTIAL**

Fee and Patented.....  
State .....  
Lease No. ML-7140  
Public Domain .....  
Lease No. ....  
Indian .....  
Lease No. ....

**SUNDRY NOTICES AND REPORTS ON WELLS**

|  |                                     |  |  |
|--|-------------------------------------|--|--|
| Notice of Intention to Drill.....                | <input checked="" type="checkbox"/> | Subsequent Report of Water Shut-off.....       |  |
| Notice of Intention to Change Plans.....         |                                     | Subsequent Report of Altering Casing.....      |  |
| Notice of Intention to Redrill or Repair.....    |                                     | Subsequent Report of Redrilling or Repair..... |  |
| Notice of Intention to Pull or Alter Casing..... |                                     | Supplementary Well History.....                |  |
| Notice of Intention to Abandon Well.....         |                                     |  |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... April 7, ....., 1967.

Temple Wash State No. ....  
Well No. 1 is located 660 ft. from {N} line and 660 ft. from {W} line of Sec. 32  
SW NW Sec. 32 ..... 24S ..... 13E ..... SLBM  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (New Field Wildcat) ..... Emery ..... Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 4,844 feet based on USGS datum.

A drilling and plugging bond has been filed with Blanket Bond

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Union Oil Company of California proposes to drill a 2,500' exploratory well with rotary tools to test the Coconino Sandstone. Operations are expected to begin April 14, 1967.

Propose to drill 13-3/4" hole to 60', cement 10-3/4" casing to surface; drill 8-3/4" hole to 1,150', cement 7" casing to surface; drill 6-1/4" hole to 2,500'. Drilling will be done with air and/or foam, coring approximately 150' of Coconino formation. Drill stem testing will be at the discretion of the well site geologist. Well will be logged and if productive, 4-1/2" casing will be set at TD, and cemented with approximately 150 sax.

43-015-20214

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company UNION OIL COMPANY OF CALIFORNIA

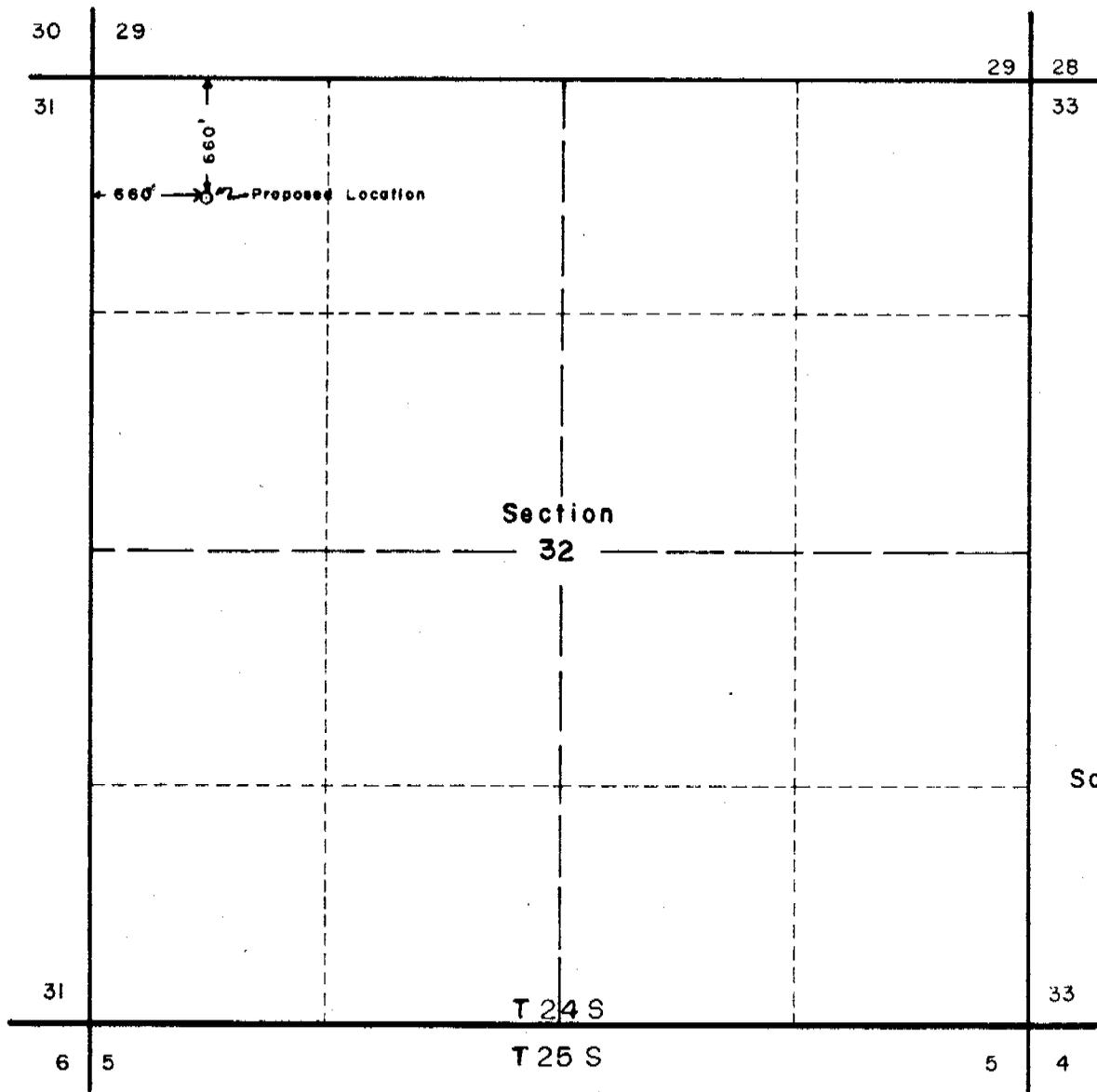
Address P. O. Box 1611

Casper, Wyoming 82601

By W. J. Mansbridge  
Title District Drilling Superintendent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

**CONFIDENTIAL**



Scale: 1" = 1000'

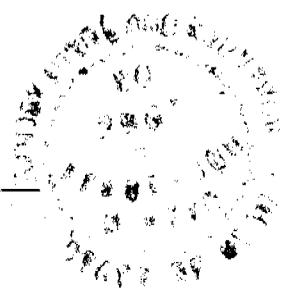
**WELL LOCATION: Union Oil Company - Temple Wash State No. 1**

Located 660 feet South of the North line and 660 feet East of the West line of Section 32,  
 Township 24 South, Range 13 East, Salt Lake Base & Meridian.  
 Emery Co., Utah  
 Existing ground elevation determined at 4844 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 No. 2889



|   |  |
|---|--|
| UNION OIL COMPANY<br>Denver, Colorado                               |  |
| WELL LOCATION PLAT<br>Sec. 32 - T 24 S. - R 13 E.<br>Emery Co. Utah |  |
| CLARK - REED & ASSOC.<br>Durango, Colorado                          | DATE: March 31, 1967<br>FILE NO: 67022 |

Blumenfeld of Calif.  
 State #1  
 Jani Gibbs -

BLB for  
 sampler

NW NW - sec 32 T 24 S 13 E

Emergy Cr.

Sample Logs -

Navyo - 90'

Kapanita - 685'

Merritt - 985'

Charlie - 1720'

Shenrump - 1515'

Maenkoya - 1560'

Lenhad - 1970'

Lower Maenkoya - 2010'

Heabat - 2130'

Cocomeni - 2195'

surface pipe -

10 3/4" @ 54'

7 5/8" @ 1755'

fresh water } 200  
 } bbls  
 } in-dip  
 } within

1400 ft - 5050 gal  
 2 1/2" @ 1070 ft  
 2 1/2" @ 1070 ft  
 2 1/2" @ 1070 ft

1200 ft = 0 gal.

75 ft = 0 gal.

310' top of cement - filled/good 15' at end.

show of oil  
 45'

heavy flow of  
 black water

Expect TD - 2250'

- ① 150' 1/2 in & 1/2 out of top of Cocomeni.
- ② 75' across Shenrump - 1375 - 1500
- ③ 100' 1/2 in & 1/2 out - 1300 - 1700
- ④ down on dry hole made/into 7-5/8" (no surface plug) for possible BLM well no.

P.M.

# Union Oil Company of California

POST OFFICE BOX 1611



CASPER, WYOMING 82602

April 7, 1967

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 84111

Dear Mr. Feight:

Enclosed please find original and one copy of Utah Oil and Gas Conservation Commission Form 1, Notice of Intention to Drill, for Temple Wash State No. 1, located in the NW NW, Sec. 32, T-24S, R-13E, Emery County, Utah and two copies of USGS Form 9-331C, Application for Permit to Drill, for the Temple Wash Gov't. No. 019-1, located in the SW SE, Sec. 1, T-25S, R-12E, Emery County, Utah.

Both of these wells are to be drilled as "Tight Holes" and it is respectfully requested that all information on these two wells be held as "Confidential." At such time as the information is released, your office will be promptly notified. ✓

Yours very truly,

Handwritten signature of W. J. Mansbridge in cursive.  
W. J. Mansbridge  
District Drilling Supt.

WJM:js

April 10, 1967

Union Oil Company of California  
P. O. Box 1611  
Casper, Wyoming 82601

Re: Well No. Temple Wash State #1,  
Sec. 32, T. 24 S., R. 13 E.,  
Emery County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon a bond being furnished the State Land Board.

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.

Union Oil Company of California

April 10, 1967

-2-

The API number assigned to this well is 43-015-20214  
(see Bulletin D12 published by the American Petroleum  
Institute).

Very truly yours

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:sc

cc: Max Gardner  
State Land Board  
105 State Capitol Building  
Salt Lake City, Utah 84114

April 17, 1967

W. O. Arns, Chief Location Engineer  
Utah State Department of Highways  
State Office Building  
Salt Lake City, Utah

Re: Well No. Temple Wash State #1  
Sec. 32, T. 24 S., R. 13 E.,  
660' FWL & 660' FWL, C NW NW,  
Emery County, Utah.

Dear Mr. Arns:

Approval to drill the above mentioned well has been granted this date.

Would you please advise this Commission immediately if the well location is on or in close proximity to any highway which the Department of Highways intends to construct in the near future.

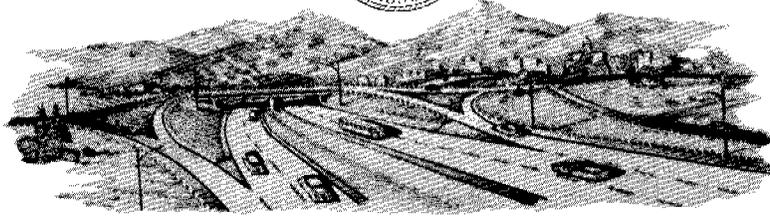
Thank you for your cooperation in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:cnp



DIRECTOR  
HENRY C. HELLAND

STATE HIGHWAY ENGINEER  
BLAINE J. KAY

5695

## Utah State Department of Highways

4-21-67

State Office Building

Salt Lake City, Utah 84114

April 19, 1967

*Called Mr. Kay  
and discussed this matter  
with him. Requested that  
he ask Mr. Arns to call  
us on the phone if  
there was a conflict  
map to write.*

*CB Feight*

*OK  
at*

Mr. Cleon B. Feight  
Executive Director  
Oil & Gas Conservative Commission  
348 East South Temple, Suite 301  
Salt Lake City, Utah 84111

Dear Mr. Feight:

Re: Well No. Temple Wash State #1,  
Sec. 32, T. 24 S., R. 13 E., 660' FNL  
& 660' FWL, C NW NW, Emery County

The above-described well location appears to be in very close proximity to State Highway 24. However, if the well is located a minimum of 200 feet from the center of this highway, there will be no conflict with our interests.

We hope we have supplied you with the necessary information so as to clarify any questions you may have had.

Very truly yours,

*W O Arns*

W. O. Arns  
Chief Location Engineer

**STATE OF UTAH**  
**OIL & GAS CONSERVATION COMMISSION**  
 State Capitol Building  
 Salt Lake City 14, Utah

**REPORT OF OPERATIONS AND WELL STATUS REPORT**

State Utah County Emery Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for April, 19 67.

Agent's address P. O. Box 1611 Company Union Oil Company of California

Casper, Wyoming 82601 Signed *John B. Strong*

Phone 234-1563 Agent's title General Clerk

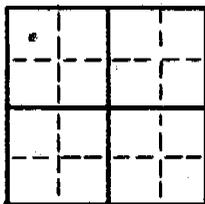
State Lease No. ML-7140 Federal Lease No. \_\_\_\_\_ Indian Lease No. \_\_\_\_\_ Fee & Pat.

| Sec. & 1/4 of 1/4  | Twp. | Range | Well No. | *Status | Oil Bbls. | Water Bbls. | Gas MCF's | REMARKS<br>(If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test) |
|--|------|-------|----------|---------|-----------|-------------|-----------|--|
| NW NW<br>Sec. 32<br>Temple Wash State No. 1  | 24S  | 13E   |          |         |           |             |           | Location: 660' FSL and 660' FWL.<br>Elevations: GL 4,844'; KB 4,854'.<br><br>Spudded at 4:00 p.m. 4-27-67.                           |
| Drilled 8-3/4" hole to 57'. Reamed to 12-1/4" to 57'. Set 2 jts. of 10-3/4" used casing at 54' KB with 40 sax regular, 3% CaCl2. Good returns.   |      |       |          |         |           |             |           |  |
| Drilled 9-7/8" hole to 1,255' with air mist, water and soap. Set 41 jts. 7-5/8" J-55 used casing at 1,255'. Cemented with 335 sax 50-50 Poz, 10% salt, 2% CaCl2, 1/4# per sack of Flocele. Partial returns while cementing. Ran wireline in annulus. Found cement 310' below surface. Filled annulus with gravel and cemented to cellar with 5 sax regular cement, 3% CaCl2. |      |       |          |         |           |             |           |  |
| Drilled 6-3/4" hole from 1,255' to 2,139'. Cored from 2,139' to 2,228-1/2'. Drilled to 2,250' TD. Ran electric logs.   |      |       |          |         |           |             |           |  |
| As per verbal approval from Mr. Paul Burchell, Utah Oil & Gas Conservation Commission, well P & A as follows:  |      |       |          |         |           |             |           |  |
| Plug No. 1 - 2,100' - 2,250' - 150' - 30 sax<br>Plug No. 2 - 1,500' - 1,575' - 75' - 15 sax<br>Plug No. 3 - 1,200' - 1,300' - 100' - 20 sax  |      |       |          |         |           |             |           |  |
| As per instructions, dry hole marker was screwed into top of 7-5/8" casing and not cemented.   |      |       |          |         |           |             |           |  |
| Rig released at 3:30 a.m. 5-6-67. <u>FINAL</u>   |      |       |          |         |           |             |           |  |

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
 SI-Shut In D-Dead  
 GI-Gas Injection TA-Temp. Aban.  
 WI-Water Injection



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

Fee and Patented .....   
State .....   
Lease No. ML-7140  
Public Domain .....   
Lease No. ....  
Indian .....   
Lease No. ....

Sec. 32

SUNDRY NOTICES AND REPORTS ON WELLS

|  |  |          |
|--|--|----------|
| Notice of Intention to Drill.....                | Subsequent Report of Water Shut-off.....       |          |
| Notice of Intention to Change Plans.....         | Subsequent Report of Altering Casing.....      |          |
| Notice of Intention to Redrill or Repair.....    | Subsequent Report of Redrilling or Repair..... |          |
| Notice of Intention to Pull or Alter Casing..... | Supplementary Well History.....                | <b>X</b> |
| Notice of Intention to Abandon Well.....         |  |          |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... May 2, ....., 19 67.  
Temple Wash State No. ....  
Well No. 1 is located 660 ft. from {N} line and 660 ft. from {E} line of Sec. 32  
NW NW Sec. 32 ..... 24S ..... 13E ..... S1E1M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat ..... Emery ..... Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ above sea level is 4,844 feet. KB 4,854'

A drilling and plugging bond has been filed with Blanket Bond

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Spudded at 4:00 p.m. 4-27-67. Drilled 8-3/4" hole to 57'. Reamed to 12-1/4" to 57'. Set 2 jts. of 10-3/4" used casing at 54' KB with 40 sax regular, 3% CaCl<sub>2</sub>. Good returns.

Drilled 9-7/8" hole to 1,255' with air mist, water and soap.

Set 41 jts. (1262.12') 7-5/8" J-55 used casing at 1,255' and cemented with 335 sax 50-50 Poz, 10% salt, 2% CaCl<sub>2</sub>, 1/4# per sack of Flocele. Partial returns while cementing. Ran wireline in annulus. Found cement 310' below surface. Filled annulus with gravel and cemented to cellar with 5 sax regular cement, 3% CaCl<sub>2</sub>.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Union Oil Company of California

Address P. O. Box 1611

Casper, Wyoming 82601

By W. J. Mansbridge  
Title District Drilling Superintendent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
348 East South Temple  
Suite 301  
Salt Lake City, Utah 84111

May 5, 1967

MEMO TO THE COMMISSIONERS

Union Oil Company of California  
Well No. Temple Wash State #1  
Sec. 32, T. 24 S., R. 13 E.,  
Emery County, Utah

On May 5th, 1967, a plugging program was given to Mr. Jim Gibbs for the above mentioned well. The operator had drilled to a total depth of 2250' in the Coconino Formation and encountered a heavy flow of salt water. Of interest was the fact that they topped the Navajo Formation at 90' and found a considerable amount of fresh water. Saturations continued to a depth of 685'. Although the water did not flow, the company had made over 200 barrels per hour while drilling with air. For a water shut off, they set 7 5/8" casing at 1255' with sufficient cement to almost reach the surface. No surface plugs were set and the well was abandoned in such a manner that any interested party could re-enter and complete as a water well. It should be noted that the nearby Federal Well in Section 1, T. 25 S., R. 12 E., also encountered fresh water from the Navajo.

(Please hold this information confidential)



1588 West North Temple  
Salt Lake City, Utah 84116  
323-5771

January 11, 1968

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

Re: Well No. Temple Wash State #1,  
Sec. 32, T. 24 S., R. 13 E.,  
Emery 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 Forms OGC-3, "Well Completion or  
Recompletion Report and Log", in duplicate and forward them to  
this office as soon as possible.

Thank you for your cooperation in this matter.

Very truly yours,

**DIVISION OF OIL & GAS CONSERVATION**

**SHARON CAMERON  
RECORDS CLERK**

sc

Enclosure: Forms OGC-3

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

ML - 7140

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Temple Wash State

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 32, T-24S-R-13E

12. COUNTY OR PARISH  
Emery

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  DEEP. RESVR.  Other \_\_\_\_\_

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 660' FNL and 660' FWL (NW NW)

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED  
43-015-20214 4-10-67

15. DATE SPUNDED 4-27-67 16. DATE T.D. REACHED 5-6-67 17. DATE COMPL. (Ready to prod.) Dry hole 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* GR 4,844 KB 4,854 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 2250 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN IES, Gamma Ray 27. WAS WELL CORED Yes

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD   | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|--------------------|---------------|
| 10-3/4"     | 32#             | 54             | 12 1/4    | 40 sax reg.        |               |
| 7-5/8"      | 26#             | 1,255          | 9-7/8     | 335 sax 50-50- pos |               |

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)

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

33.\* PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in) \_\_\_\_\_

Dry hole

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 and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE District Drilling Supt. DATE 1-15-68

\*(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.), formations 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         |                  | DESCRIPTION, CONTENTS, ETC.  | BOTTOM      |                  | GEOLOGIC MARKERS   |   |
|-----------|-------------|------------------|--|-------------|------------------|--|---|
|           | MEAS. DEPTH | TRUE VERT. DEPTH |  | MEAS. DEPTH | TRUE VERT. DEPTH | NAME   | TOP   |
| Kaibab    | 2106        | 2192             | Core No. 1 - 2139-83' Rec. 44' IS, dolomite and cherty, gry to white, stained with dk br crude upper 38'. No staining last 6'.   | 2192        |                  | Nava Jo<br>Kayenta<br>Wingate<br>Chinle<br>Shinarump<br>Moenkopi<br>Sinbad<br>Lwr Moenkopi<br>Kaibab<br>Cocorino | 78<br>684<br>877<br>1,225<br>1,516<br>1,560<br>1,991<br>2,028<br>2,106<br>2,192 |
| Cocorino  | 2192        | 2250             | Core No. 2 - 2205-28' Rec. 9' SS blk stn, fn to med gra, 3' poor per, waxy blk oil in intergranular pores. GD flr and cut. 10' SS fn to med gra. 4' SS lt gry, poor por. no stn. |             |                  |  |   |

JAN 17 1968