

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0122353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Caldwell Federal

9. WELL NO.

1 (M-13)

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 13, T.21N., R.5W.

12. COUNTY OR PARISH

Sandoval

13. STATE

New Mexico

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 ☒ GAS ☐
WELL WELL OTHER

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, Wyoming 82601

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

654' FWL & 657' FSL, Section 13

14. PERMIT NO.

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

7136' GR

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:

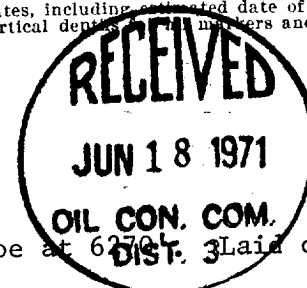
WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Supplementary Well History ☒
(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, and numbers and zones perti-
nent to this work.)*

5-16-71: Plugged well back for further testing as follows:

150 sx - T.D. to 11,650'	Top Mississippian
70 sx - 10,260-10,110'	Top Penn.
70 sx - 8,310-8,160'	Top Perm.
45 sx - 6,320-6220'	Across 9-5/8" casing shoe at 6270'

Above program approved by Mr. Seelinger, USGS-Farmington, and Mr. Arnold, New Mexico
Oil and Gas Conservation Commission, Aztec, New Mexico. Well idle from 5-17 to 6-2-71.

MIRU service unit on 6-2-71. Ran Schlumberger CBL & PDC Log. Good cement bond indicated 4200-3860'. No indication of cement 3860-3640', fair to poor bond 3640' to top cement at 2700'. Perforated 5 holes 3830-32'. Set Baker "K" cement at 3826'. RIH w/Retainer Mandrel on 2-7/8" tubing. Stabbed into retainer. Pressured casing annulus to 1000 psi. Pressured tubing to 2200 psi. FBD to 1500 psi at 3 BPM. Pump in 200 sacks class "A" cmt at 750-1500 psi at 3 BPM. Slowed rate to 3/4 BPM with 10 bbls displ remaining. Press increased 650 psi to 1850 psi at final displacement. Cleared perfs with 8 BW. Pulled out of retainer. S.D. 1 hour. Stabbed into retainer. Pressured to 3000 psi. No FBD. POH. Ran Schlumberger CBL 3820-2700'. Log showed good to excellent bonding 3820-3756'. RIH w/tubing open end. Swabbed down fluid. Dumped 3500 gal. diesel down annulus. Swabbed all water from tubing. (CONTINUED ON ATTACHED SHEET.)

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

SIGNED

A. T. Mannon, Jr.

TITLE District Drilling Supt.

DATE 6-14-71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
JUN 17 1971

Union Oil Company of California
Sundry Notices and Reports on Wells (Form 9-331)
Caldwell Federal No. 1 (M-13)
June 14, 1971

Left 1100' diesel in hole. POH. Perforated with 4" hyperjet decentralized, 2 spf, 3783-3790', 3794-3803', 3806-3820'. No change in fluid level after perforations. RIH with Baker "C" Fulbore Packer on 120 joints 2-7/8" EUE tubing. Set packer at 3750' KB. Ran swab. F.L. 500' (2200' rise in 12 hours). Swabbed 6.5 bbls diesel oil & 65 BW/9 hours. Last 5 hours swabbing from bottom at 5-6 BWPH w/slight show of oil. Checked 2 water samples - No. 1: RW 0.592 at 68° chlor, 6360 ppm calc. No. 2: RW 0.550 at 68° chlor, 6850 ppm calc. DST #1 Water Sample: RW 0.588 at 68° chlor, 8580 ppm titrated. T.P. 20 psi, F.L. 500'. No free oil on first swab. 1/4" oil sum on pit. Estimate 28° API. Next day T.P. 20 psi, F.L. 500'. Swabbed 40 BW/6 hours with show of oil & gas. Released packer. POH. Preparing to plug.