

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

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 ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
Union Oil Company of California

3. ADDRESS OF OPERATOR  
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
1650' FSL & 940' FEL (NE SE)

14. PERMIT NO.  
API No. 30-045-26437

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6574' GR (Ungraded)

5. LEASE DESIGNATION AND SERIAL NO.  
N00-C-14-20-5199

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
1-E \*

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 24, T.25N., R.11W.

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

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.) \*

6138' T.D.  
8-5/8" @ 782' w/530 sx cmt  
4-1/2" @ 6135' w/1400 sx cmt

\*Formerly Navajo (I24) Well No. 10  
Drilled in 1985  
Perfs: 5962-5966', 5982-5986',  
5996-6000', 6022-6030',  
6048-6051', 6057-6064'  
(All in Dakota Formation)  
(Bridge Plug at 6045')

MIRU well service unit on 1-6-86. SITP 950# & C.P. 970#. Bled T.P. & C.P. to zero/20 mins., with dry gas to surface. N.U. BOP. Released packer and ran one joint of 2-3/8" tubing. Tagged fill at 6023'. Reverse circulated sand with 2% KCl water to bridge plug at 6045'. Recovered estimated 5 bbls. oil emulsion and very fine sand. Lost 50 bbls. water while circulating. Retrieved bridge plug and POOH with packer and bridge plug. SDON.

SICP 0#/14 hrs. Ran and set cement retainer on wireline and tagged fill at 6052'. Set retainer at 6043'. P.U. stinger and TIH on 2-3/8" tubing and stung into retainer. Loaded tubing with 13 bbls. 2% KCl water and annulus with 30 bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8" tubing, laying down 4-1/2" casing scraper and 3-1/2" bit. P.U. 35' x 4-1/2"

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr.  
(This space for Federal or State office use)

TITLE District Drilling Supt.

DATE 1-16-86

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ACCEPTED FOR RECORD

JAN 29 1986

JAN 28 1986

OIL CON. DIV.

\*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA

BY

Union Oil Company of California  
Federal Well No. 1-E  
Basin Dakota Field  
San Juan Co., New Mexico  
1-16-86  
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casing patch on 2-3/8" tubing and RIH, setting patch from 5974-6009'. POOH. P.U. 15' x 4-1/2" casing patch and RIH, setting patch from 5956-5971'. POOH, laying down setting tools. SWION.

SICP 0#/13 hrs. P.U. 2-3/8" notched collar and 2-3/8" S.N. RIH on 2-3/8" tubing and tagged fill at 6041'. Reverse circulated hole clean (recovering sand) to 6043', with 2% KCl. Laid down 5 jts. 2-3/8" tubing. Ran and landed 191 jts. (5908.99') of 2-3/8" tubing at 5920.99' with S.N. at 5888.63'. N.D. BOP. N.U. tree. SWION.

SICP 0#/15 hrs. Unloaded hole with 36,000 SCF of N<sub>2</sub> down tubing at 0-2000-0 psi. Recovered clean to slightly black KCl water. Attempted to foam frac Graneros "A" zone perfs 6022-6030' as follows: Tested casing lines to 4000 psi, O.K. Tested tubing lines to 6000 psi, O.K. Pumped 50,000 SCF N<sub>2</sub> down tubing and 700 gals. gelled 2% KCl pad with 10% N<sub>2</sub> down casing with T.P. 0-2030 psi & C.P. 100-980 psi at 10 bpm. Tubing hanger seals failed. Bled T.P. & C.P. to 0#/30 mins. N.D. tree and replaced seals in hanger. N.U. tree.

Fractured Graneros "A" zone perfs 6022-6030' with 32,000 gals. 70% quality foam, consisting of 798,000 SCF of N<sub>2</sub>, 8,400 gals. gelled 2% KCl with 20#/1000 gals. WG-11, 3#/1000 gals. HYG-3, 10#/1000 gals. K-34, 2 gals./1000 gals. 3-N, 5 gals./1000 gals. Tri-S and breakers with 32,000# 20-40 sand, as follows: Pumped 14,000 gals. foam pad to perfs at 0-4860-4850-4780# T.P., 0-3430-3010# C.P., at 10 bpm. 1st Stage: Pumped 4000 gals. foam with additives with 1#/gal. 20-40 sand at 4780-4840-4850# T.P. & 3010-2800# C.P. at 10 bpm. 2nd Stage: Pumped 4000 gals. foam with additives w/2#/gal. sand at 4850-4890# T.P. & 2800-2790# C.P. at 10 bpm. 3rd Stage: Pumped 4000 gals. foam with additives with 3#/gal. 20-40 sand at 4890-4950# T.P. & 2790-3270# C.P. 4th Stage: Pumped 2000 gals. foam with additives with 4#/gal. 20-40 sand at 4950-5050 psi T.P. & 3270-3630# C.P. Flushed down annulus with 2270 gals. gelled water with 10% N<sub>2</sub> at 5050 psi T.P. & 2740-3630# C.P. at 10 bpm. ISITP 4650#. ISICP 3200#. 5 mins./T.P. 4050# & C.P. 2590#. 10 mins./T.P. 3880# & C.P. 2410#. 15 mins./T.P. 3760# & C.P. 2290#. 3 hrs./T.P. 3150 & C.P. 1800#. Opened well on 10/64" choke (after 3 hrs.) at 3050# FTP & 1750# SICP. Flowed N<sub>2</sub> for 1 hr. at 3050-1100 psi FTP & 1750-1100# SICP. Flowed 3 bbls. fluid/1/4 hour with trace of sand to moderately heavy sand. SWI at 6:45 p.m., 1-12-86, with 1600# SITP & 1200# SICP. Opened well on 10/64" choke at 10:00 p.m., 1-12-86. Flowed 86 bbls. water/8 hrs. with trace of oil last 2 hrs. and and trace of sand last hour, on 10/64" to 25/64" choke. FTP 950-400-800-100#. SICP 1200-400#.

Flow tested Graneros "A" perfs 6022-6030', recovering 6 bbls. foamy water with trace of oil/3 hrs. FTP 100-0#. SICP 400-205-290#. Well dead after 3 hrs. Tagged F.L. at 3000'. Swabbed and flowed 8 bbls. foamy water with trace to 4% green oil, cut 1% solids with trace of sand/3-1/2 hrs. F.L. 3000' and scattered. SICP 290-300-80 psi. Well dead after 3-1/2 hrs. with no fluid recovery and very weak gas blow. N.D. tree. N.U. BOP. Laid down blast jts. RIH with 2-3/8" tubing and tagged fill at 5952'. Bled casing to zero. Pumped down tubing with N<sub>2</sub> and cleaned out to 5956' (top of first casing patch) and could not work tubing below 5956'. P.U. 2 jts. and SWION.

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SITP 450# & SICP 400#/15-1/2 hrs. Bled tubing and casing to zero/10 mins., recovering gas only. POOH with 2-3/8" tubing. Found 1 notch on 2-3/8" notched collar bent inwards 1/4" with notch on each side bent outwards slightly. P.U. 5 jts. 1.9" OD D.P. w/3.5" mull shoe on bottom (end cut and beveled). RIH on 2-3/8" tubing, setting down at 5959'. Blew tubing and casing down with N<sub>2</sub>, recovering estimated 1/2 bbl. heavy black to green oil plus 15 bbls. slick water. Attempted to work below 5959'/1/2 hour without success. POOH, laying down 1.9" D.P. mull shoe (point bent inwards 3/8" and with 1/4" tear). P.U. 3.78" O.D. impression block and RIH on sand line. POOH, finding no marks on bottom of block with bottom 1/4" of sides swaged in slightly. SWION.

SICP 525#/15 hrs. Blew C.P. down/10 mins., recovering only gas. P.U. 3.5" O.D. impression block. RIH on 2-3/8" tubing setting down slightly at 5956' then fell through and set down at 5958'. POOH. Impression block had 1" diameter half-circle 3/8" deep on bottom, 1/4" from center of impression block. Sides had two 1/8" deep x 1/8" wide grooves 6" long. SWION.

SICP 400#/18-1/2 hrs. Blew C.P. to 0#/5 mins., recovering gas only. Ran and landed 190 jts. (5857.56') of 2-3/8" tubing at 5869.56' with S.N. at 5837.30'. N.D. BOP. N.U. tree. Released rig on 1-16-85. (Have recovered 115 bbls. of 271 bbl. water load.) Shut well in.