

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Form approved.  
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  
790' FNL & 1000' FWL (NW NW)

14. PERMIT NO.  
API 30-045-25759

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6623' GR (Ungraded)

RECEIVED

JAN 31 1986

5. LEASE DESIGNATION AND SERIAL NO.  
NOO-C-14-20-5197

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Navajo - D30

9. WELL NO.  
9

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 30, T.25N., R.10W.

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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

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.)

6126' TD  
8-5/8" @ 758' w/500 sx cmt  
5-1/2" @ 6126 w/960 sx cmt  
(set in 2 stages)

Perfs: 5978-5982', 6004-6006',  
6020-6036', 6040-6046'  
(All in Jicarilla-Graneros)

MIRU well service unit on 1-7-86. Retrieved plunger. Pumped 50 bbls. 2% KCl water down tubing and annulus to kill well. N.D. tree and N.U. BOP. Tagged ETD @ 6018'. Cleaned out fill to 6075' with hydrostatic bailer. P.U. retrievematic packer and S.N. on 2-3/8" tubing, RIH and set packer at 5947'. SDON.

SITP 700# & C.P. 0#/13-1/2 hrs. Flowed well to tank with pressure bleeding to zero with steady gas flow after 1/2 hr., flowing at 116 MCF/D rate through 1/2" orifice. Loaded annulus with 74 bbls. 2% KCl water and pressured casing to 1000#, O.K. Acidized perfs 5978-5982', 6004-6006', 6020-6036', and 6040-6046' with 500 gals. 15% HCl acid with 0.2% HCII, 0.2% Lo-Surf 259, 1% FE-1A, 0.4% inhibitor, and 40 ball sealers, dropping 3 balls every 40 gals. of acid pumped, as follows: Loaded tubing and hit pressure after pumping 500 gals. acid with ball sealers followed by 6 bbls. KCl water at

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr.

TITLE District Drilling Super

DATE 1-27-86

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

RECEIVED  
FEB 20 1986  
OIL CON. DIV  
FEB 19 1986  
ACCEPTED FOR RECORD  
FARMINGTON RESOURCE AREA  
BY 293

\*See Instructions on Reverse Side

NMOC

Union Oil Company of California  
Navajo (D30) Well No. 9  
Basin Dakota Field, San Juan Co., NM  
1-27-86  
Page 2

5 bpm at 0-500#. Treated perfs at 4-1/2 bpm to 5 bpm at 500-2300-1800-2100-1800-2800-2550#. Displaced acid to perfs with 23-1/2 bbls. 2% KCl water. ISDP 750#. Released pressure and surged balls off perfs. S.D. 5 mins. for balls to fall. Pumped to perfs to establish an injection rate with 10 bbls. water at 5 bpm at 2700#. ISDP 750#. 200#/1 min. 0#/5 mins. Vac./7 mins. Pressure tested tubing-casing annulus to 3300#, O.K. Bled C.P. to zero. (Total load 45-1/2 bbls. acid and water.) Swabbed 34 bbls. gas-cut load water/4 hrs. with moderate gas blow after each swab run, decreasing to very weak blow. F.L. 2600' to 5500' and steady. Released packer and tagged fill at 6054'. TOOH and laid down packer.

P.U. 2-3/8" notched collar on 2-3/8" tubing and TIH to 6042'. Unloaded hole with nitrogen. Lowered tubing to 6070' while unloading hole to clean out fill. Ran and landed 2-3/8" tubing at 5895.65' with top of 2-3/8" S.N. at 5894.43'. N.D. BOP. N.U. tree. R.U. tree saver. SWION.

SITP 500 psi & SICP 370 psi/17 hrs. Foam fractured perfs 5978-5982', 6004-6006', 6020-6036', and 6040-6046' with 32,000 gals. 70% quality N<sub>2</sub> foam, containing 978,000 SCF N<sub>2</sub> and 40,000# 20-40 radioactive tagged sand, with 2% KCl, 20#/1000 gals. WG-11, 2.5#/1000 HYG-3, 7.5#/1000 K-34, 0.2#/1000 gals. FP breaker, 5 gals./1000 Tri-S, 1 gal/1000 gal. 3-N, and 3 gals./1000 gals. Enwar 288. 90% of N<sub>2</sub> pumped down tubing, and 10% N<sub>2</sub> and all fluid and sand pumped down annulus. Pumped 2000 gals. foam pre-pad of 50% methonal with 50% 2% KCl with 3 gals./1000 of Enwar-288 and 3 gals./1000 gal. 3-N, at 0-20 bpm at 0-3340# T.P. and 0-500 psi C.P. S.D. due to leak in tree saver. Pumped 12,000 gals. foam pad with additives at 0-20 bpm at 500-2670-2420# C.P. and 1050-5700# T.P. 1st Stage: Pumped 4000 gals. foam w/additives w/1#/gal. 20-40 tagged sand at 20 bpm, 2420-2350# C.P. and 5700-6000# T.P. 2nd Stage: Pumped 8000 gals. foam w/additives w/2#/gal 20-40 tagged sand at 20 bpm at 2350-2580# C.P. and 6000-6060 psi T.P. 3rd Stage: Pumped 4000 gals. 70% foam with additives with 3#/gal. 20-40 tagged sand at 20-18 bpm at 2580-3270-2980 psi C.P. and 6060-6150-5810 psi T.P. 4th Stage: Pumped 2000 gals. foam with additives with 4#/gal. tagged sand at 18-15 bpm at 2980-3260-3240 psi C.P. and 5810-5460 psi T.P. Flushed with 3960 gals. of 70% foam with additives at 20-18-15 bpm at 3230-3270-2980-3260-3240 psi C.P. and 6100-6150-5460 psi T.P. ISIP 4300 psi T.P. & 2900 psi C.P. 5 mins. 4080 psi T.P. and 2580 psi C.P. 15 mins. 3800 psi T.P. and 2250 psi C.P. J.C. at 10:45 a.m., 1-11-86.

R.U. wireline. Ran Temperature Survey and After-Frac GR Log from 6026-5750'. Flowed and swabbed 195 BW and 9 BO in 2 days. Tagged fill at 5959'. Cleaned out from 5959' to 6075' while circulating hole with 70% quality foam. SION.

SITP 520 psi & SICP 480 psi/13-1/2 hrs. Blew tubing and casing pressure to 0 psi/3/4 hr. with no fluid recovery. Tagged fill at 6065'. Ran After-Frac GR-Temperature Log. Swabbed and flowed 15 BW and 1 BO in 24 hours. Ran and landed 188 jts. (5935.46') of 2-3/8" tubing at 5945.46' with top of S.N. at 5944.24'. N.D. BOP. N.U. tree. Ran 2-3/8" tubing

Union Oil Company of California  
Navajo (D30) Well No. 9  
Basin Dakota Field, San Juan Co., NM  
1-27-86  
Page 3

stop and plunger spring and set at 5930'. Released rig on 1-16-86. (Have recovered 210 bbls. of 325 bbl. water load and 10 bbls. oil.) Dropped plunger on 1-16-86. Production Before Frac: (November 1985 Average) - 40 MCFD + 2.8 BOPD + 1.7 BWPD. Production After Frac: (1-23-86) - 25 MCFD + 5 BOPD + 5 BWPD.