

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

5. LEASE DESIGNATION AND SERIAL NO.

N00-C-14-20-5195

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo K-19

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 19, T.25N., R.10W.

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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 82601

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

1500' FSL & 1500' FWL

14. PERMIT NO.

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

6598' G.L.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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☐

PULL OR ALTER CASING

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☐
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FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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☐

REPAIRING WELL

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☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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.)*

6320' T.D.

Moved in and rigged up pulling unit. Stripped off Xmas tree and installed B.O.P. POOH with tubing. Ran in and perforated 5-1/2" casing at 6180' with 4 holes using casing jet. Ran Howco EZ-Drill cement retainer on 2-3/8" tubing and set at 6140'. Squeezed perfs 6180' with 50 sacks 50-50 pozmix cement with 2% gel and 10# salt/sack cement followed by 50 sacks 50-50 pozmix cement with 2% gel, 10# salt and 5# 20-40 sand/sack cement at 2 bpm to 1/4 bpm at 2000# to maximum squeeze pressure of 3800#. P.O. of retainer and reversed out 8 bbls. cement slurry. P.O.O.H. with tubing. Ran Baker packer on 2-3/8" tubing. Set packer at 5960'. Swabbed 195 bbls. load water with slight gas show for 9 hours with F.L. 100' to 2800'. SITP 195#/38 hours. Swabbed 55 bbls. gas cut water/5 1/2 hours with trace of oil. F.L. 1500' to 4000'. Released packer and POOH.

Ran and set Howco EZ-Drill cement retainer on 2-3/8" tubing at 5958'. Squeezed perfs 6028-30', 6056-60', and 6067-76' with 75 sacks 50-50 pozmix cement with 2% gel and 10% salt followed by 50 sacks 50-50 pozmix cement with 2% gel, 10% salt & 5# 20-40 sand/sack cement at 3 bpm to 1/4 bpm at 1200# to maximum squeeze pressure of 3000#. P.O. of retainer and reversed 1-1/2 bbls. cement. P.O.O.H. Ran 4-3/4" bit on 2-3/8" tubing. Tagged cement retainer at 5958'. Drilled cement from 5958-6076'. Tested perfs 6028-30' & 6056-60' independently to 500 psi, O.K. Ran bit to PBTD 6136'.

(CONTINUED ON ATTACHED SHEET)

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

SIGNED

R. E. Ladd, Jr.

TITLE District Drilling Supt.

DATE 12-22-76

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

DEC 29 1976

*See Instructions on Reverse Side



U.S. Geological Survey
Form 9-331

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Navajo No. 4-K19
12-22-76
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Tested perfs 6067-76', 6084-85' and 6092-94' to 500 psi. O.K. Swabbed fluid level to 2500'. P.O.O.H. with bit. Perfed 6028', 6056-60', 6068' and 6073-75' with 2 jets shots/ft. Ran packer on 2-3/8" tubing. Set at 5928'. Swabbed fluid level from 2500' to 5700'. Recovered 12 bbls. 5% KCl water with no gas with no fluid entry.

SITP & SICP 0#/38 hours. Made 1 swab run to S.N. at 5928'. F.L. at 4800'. Swabbed dry, with slight show of gas behind swab. Acidized perfs with 500 gallons regular 15% acid at 1/2 bpm to 2-3/4 bbls/min at 2750 psi. Broke to 2500 psi. ISIP 1750#. 10 mins. 1200#. Swabbed 23 bbls fluid/2 hours. Fluid level surface to 5000' with slight show of gas behind last swab run. SITP (14 Hrs) 400#. Acidized perfs with 1500 gallons regular 15% HCl acid, 36 ball sealers and 150# Benzoic acid at 2-3/4 bpm at 2100# to 4-1/2 bpm at 3400'. Had no ball action but the gradual increase in treating pressure indicates plugging from the Benzoic acid flakes. ISDP 2100#. 1325#/15. Swabbed 60 bbls. gas cut load water with weak gas blow/7 hours. F.L. surface to scattered fluid from top to bottom. Have recovered approximately 70 bbls. of 80 bbl. load water. SITP (14 hours) 50#. Checked F.L. at 850'. Swbd. 28 bbls. gas cut water/3/4 hours. F.L. scattered from surface to S.N. at 5928'. Then swabbed 10 bbls. gas cut water/2-3/4 hours. S.D. 3/4 hour for swab repair. Ran swab to S.N. with fluid scattered from top to bottom. Swabbed 26 bbls. gas cut water/4-3/4 hours with very weak gas show. Have recovered 134 bbls. of 80 bbl. water load. SITP (14 hours) 475#. C.P. zero. Checked F.L. at 1200'. Swabbed 30 bbls. gas cut water/5 hours with no gas between swab runs and fluid level scattered from surface to S.N. at 5928'. Removed BOP & nipped up well head. Released unit. Have recovered 164 bbls. of 80 bbl. water load.