

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-14-20-3778

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo(I-1)

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 1, T.25N., R.11W.

12. COUNTY OR PARISH 13. STATE

San Juan

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 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 & 1150' FEL

14. PERMIT NO.

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

6431' G.L.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) 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 for all markers and zones pertinent to this work.)*

6330' T.D.

Ran bit to T.D., washing out bridge at 1450-1458' & 20' fill on bottom. Circulated, conditioned mud and raised vis. to 120/5 hours. Recovered pieces shale and coal. Made short trip to 1200' with no drag or fill. P.O.O.H. Ran logging tool and S.D. at 1471'. Ran bit to 1489' and circulated out. P.O.O.H. Ran logging tools and S.D. at 1450'. P.O.O.H. Ran bit to T.D., washing thru bridges.

Circulated 5-3/4 hours. Pulled out to 1000' and ran to bottom with no fill. Circulated 1-1/2 hours. P.O.O.H. Ran logging tool and S.D. at 1578'. P.O.O.H. and rigged down loggers. Ran bit to bottom, washing out bridge at 1578' and 20' on bottom. Circulated 3 hours. P.O.O.H. laying down D.P. & D.C.

Ran and cemented 5-1/2" casing at 6330' & two-stage collar at 4201.42' with 963 sacks cement in 2 stages. Released pressure, held okay. Set slips and released rig.

Moved in and rigged up well service unit. Installed B.O.P.'s. P.U. 4-3/4" bit and casing scraper on 2-3/8" Nu-Lock tubing.

(CONTINUED ON ATTACHED SHEET)

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

SIGNED R. G. Ladd, Jr.TITLE District Drilling Supt.DATE 6-7-76

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

*See Instructions on Reverse Side

RECEIVED
JUN 14 1976
JUN 15 1976
U. S. GEOLOGICAL SURVEY
OIL CON. COM.
DIST. 3

U.S.G.S. Form 9-331
Sundry Notices and Reports on Wells

Union Oil Company of California
Navajo K-19 Well No. 4
6-7-76
Page 2

Drilled cementing stage tool at 4201' and tested to 1500#/1/2 hour, O.K. Ran in and drilled hard cement from 6280-6300'. Tested casing to 1500#/1/2 hour, O.K. Displaced hole with 5% KCl water. P.O.O.H.

Schlumberger ran GR-CNL Collar Log and TDT Log.

Schlumberger perforated 5-1/2" casing (Dakota "B" Zone) at 6237-6244' with 2 holes/ft. Ran packer on 2-3/8" tubing at 6245'. Spotted 500 gallons BDA acid and set packer at 6208'. Pumped to perfs at 1/4 bpm at 2900#. FBD to 2600#. Treated at 3 bpm at 2600#. ISDP 1600#. 600#/15. Opened well to pit. Well flowed approximately 2 bbls. T.P. zero. Swabbed F.L. to top of packer per 4 swab runs. Recovered load. Made two swab runs from packer and recovered acid water, acid gas and formation gas. SITP 600#/12 hours.

Ran swab and found fluid gas cut and scattered 3000' to packer at 6208'/4 swab runs. Made 4 swab runs from 6208' and recovered approximately 20 gallons heavy gas-cut acid water. Well flowing gas continuously. Unseated packer. P.U. and set at 6178'. Pumped 16 bbls 5% KCl water with 2 ball sealers/bbl. in last 12 bbls. water at 4-1/2 bpm at 3200-3000-3200# with balls on perfs to complete shut off. T.P. 6000#. SITP 1000#/5. Swabbed and recovered all load.

Sand fraced Dakota "B" perfs, 6237-6244', down 2-3/8" tubing with 27,000 gallons 2% gelled KCl water with 10,000# 100-mesh sand and 36,000# 20-40 sand at 13-12 bpm at 4850-4400#. ISIP 1300#. 1100#/15, 600#/4 hours. Total load 671 bbls. Flowed 27 bbls. clean water, 10 bbls. gelled water with sand, then 28 bbls. load water and no sand. Had 1' gas flare after 47 bbls. water. Well dead after 13 hours.

Swabbed 134 bbls. load water/9-1/2 hours cut 1-3% distillate last 7 hours. Had weak gas show after first two hours of swabbing, increasing to heavy gas-cut water last 5 hours. F.L. surface to scattered from 3000' - 6137' S.N. last 6-1/2 hours. Left open on 10/64" choke 14 hours. Flowed 58.37 bbls. load water.

Flowed 7 bbls. water/1 hour. Swabbed 26 bbls. water/7 hours. F.L. scattered to S.N. with continuous gas flow. SITP 450#/45 mins. Turned well thru separator. Well flowed 24 bbls. water/14 hours cut 1-6% distillate at 260,000 cu. ft./day rate. FTP 120#.

