

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

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.)

5. LEASE DESIGNATION AND SERIAL NO.

NM 0556859-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Nash Unit

8. FARM OR LEASE NAME

Nash Unit

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Nash Draw, Morrow

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

Sec 12, T23S, R29E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Mesa Petroleum Co.

3. ADDRESS OF OPERATOR

1000 Vaughn Bldg., Midland, TX 79701 U.S. GEOLOGICAL SURVEY

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

At surface 1980' FSL & 1980' FWL

14. PERMIT NO. NOV 2 1976

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

2977' GR

2995' RKB

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

ARTESIA, OFFICE

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* ☐Progress Report ☒

(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.)

PBTD 13,280'. On September 2, 1976 set packer at 13,100'. Perforate thru tubing Morrow zones 13,206'-213', 13,216'-221', 13,225'-228', 13,257'-260', 13,267'-273' with 2 JSPF (0.26" entry) total 48 holes. No response. Acidized perfs w/250 gals 10% acetic acid & subsequently jetted down tubing with nitrogen to 12,500', no response. Re-perf'd Morrow 13,206'---273' and treated w/5000 gals 7½% HCL. Flow tested - rec light spray of acid water w/100# FTP and 2'-3' flare. Jetted down to 13,270' w/nitrogen, still only very small flare (est 100 MCFPD). Ran BHP bomb to 13,243'. 75 hour BHP 5248 psi. Attempted to flow well. Bled pressure from 2900-0 in 7 min - no fluid recovery. BHP buildup also indicated very low permeability. Released completion unit on September 19, 1976 and evaluated re-completion possibilities. Moved in and RU Clark Service Unit on October 11, 1976. Set BFC type "FSP" blanking plug in packer tailpipe at 13,144'. Loaded tubing with 35 bbls of 12.2 PPG mud. Set Howco EZ drill bridge plug at 13,095'. Perf'd Morrow w/4" csg gun & 2 JSPF from 13,010'-030', 13,050'-054', 13,072'-079', 13,084'-090', (74 holes w/0.49" entry). Set packer at 12,952'. Treated Morrow perfs 13,010'---090' w/4000 gals 7½% acid and 70 ball sealers. Max 8400, avg 6500, final 6800. AIR 6.5 BPM including N₂. JC at 5:00 PM, October 14, 1976. Opened well to pit and tubing pressure dropped to 250 psi in 1 hour. Produced heavy nitrified stream of water. Had small 1' flare and well died. Recovered small amount water. Swabbed FL down to 12,000'. Had small amount gas while swabbing (est 50-75 MCF). Set Howco cement retainer at 12,960'. Squeezed Morrow perfs 13,010'---090', (total 74 holes) w/75 sx Class "H" cement. Max pump in pressure 1600 at 5 BPM. Spot 30' cmt on top of retainer. PBTD 12,930'. Perf'd Atoka zones 12,314'-317', 12,320'-324', 12,396'-416', 12,568'-576' with 2 JSPF. GIH w/tbg and set

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

SIGNED Michael P. Houston

TITLE Division Engineer

DATE October 25, 1976

(This space for Federal or State office use)

APPROVED BY Joe L. Lara

TITLE ACTING DISTRICT ENGINEER

DATE NOV 1 1976

CONDITIONS OF APPROVAL, IF ANY:

packer at 12,073'. Treated Atoka perfs 12,314'---576' thru 2-7/8" tubing with 4000 gals 15% HCL acid and 70 ball sealers. Flushed with 2% KCL water. All fluids had 1000 SCF of N₂. AIR 7.5 BPM includes N₂. Max 8100 psi, avg 7900 psi, final 6800 psi. Flowed well at 5.5 MMCFPD w/FTP 2200 psi on 20/64" choke for 4 hours. Sep pressure - 875. Produced trace condensate, but no water. Prep to run multipoint test. Released completion unit on October 25, 1976.