

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

C/SF
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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR

Mesa Petroleum Co.

3. ADDRESS OF OPERATOR

1000 Vaughn Bldg., Midland, TX 79701-4493

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FNL & 1980' FWL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF: ☒ **RECEIVED**

RECEIVED
MAR - 9 1982

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

(other) Unsuccessful attempt to recomplete to Strawn or Wolfcamp Bursum

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Work commenced on well 1/9/82. Pulled 8 jts 2-3/8" tbg. Set CIBP @ 8420' & dumped 50' cmt on top. Perfed 2 .38" holes @ 7180'. WIH w/retainer, attempted to pump through retainer @ 5000# psi-could not pump in. Pumped 100 gals 15% HCL acid into squeeze perfs @ 7180'; when acid hit, pressure dropped to 4700# @ 1 1/2 BPM. Spotted 50 sx Class C w/18% salt above retainer. Squeezed cmt into perfs @ 1/2 BPM & 500 psi. Pumped down tbg and broke circ out 8-5/8" csg. Pumped 200 gals mud flush & 900 sx Halliburton Lite w/18% salt, 4#/sx Gilsonite, 1/4#/sx flocele. Tailed in w/150 sx Class C w/6% Halad 9, 18% salt, & 2% CaCl. Displaced cmt within 2 bbls of retainer. Circ 68 sx cmt. Tagged cmt @ 4137', drilled cmt & retainer to 7182'. Tested csg to 550 psi-OK. WIH to 8222'; displaced hole w/2% KCL wtr treated w/corrosion inhibitor. Spotted 50 gals 10% acetic acid from 8160-8083'. WIH w/3-1/8" csg gun & perfed Strawn w/.38" holes 1 JSPF from 8150-8160' for a total of 11 holes. Set Baker Lok Set @ 8037' and made 10 swab runs swabbing dry w/no gas @ _____ Ft.

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

SIGNED *Cheryl Henderson* TITLE Prod. Rec. Analyst DATE 3/8/82

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL

ACCEPTED FOR RECORD

PETER W. CHESTER

XC: USGS (3), TLS, CEN, RCDs, AGCTG, ED BANN, MEC, LAND, REM, PARTNERS, FILE

MAR 19 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

See Instructions on Reverse Side

5. LEASE	NM-7066
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	Wells Federal
9. WELL NO.	1
10. FIELD OR WILDCAT NAME	Diamond Mound Atoka
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Section 11, T. 16S, R. 27E
12. COUNTY OR PARISH	Eddy
13. STATE	New Mexico
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD)	3592.2' GR; 3609' RKB

RECEIVED

MAR 23 1982

O.C.D.
ARTESIA OFFICE

*Posted ID-2
Zone P & A
Diamond Mound
Atoka Gas
3-26-82*

9-331

WELLS FEDERAL #1
DIAMOND MOUND ATOKA

shows. Acidized Strawn perfs 8150-8160' w/2500 gals 20% NE-FE acid using 22 ball sealers; balled out. Opened well on 16/64" ck. Well died in 10 min. Made 15 swab runs in 7½ hrs. w/no shows. Set CIBP @ 8060' & dumped 50' of cmt on top. WIH w/3-1/8" csg gun & perfed Lower Wolfcamp Bursum @ 7638,40,42,44,48,58,61,63,66,73 & 75 for a total of 11 .38" holes. Set Baker Lok-Set @ 7676'. Spotted 1 bbl 15% NE-FE acid across perfs. Acidized Lower Wolfcamp Bursum perfs 7638-75' w/2000 gals 15% NE-FE acid & 20 ball sealers. Fair ball action-did not ball out. Made 22 swab runs in 7½ hrs w/4' continuous flare while swabbing. Made 26 swab runs in 10 hrs w/small show of gas while swabbing. WIH w/3-1/8" csg gun & perfed Middle Wolfcamp Bursum w/l JSPF from 7555-7562 (8 holes) and 7571-7577' (7 holes) for a total of 15 .38" holes. Set RBP & Baker Model R 7 times from 7610-7390', each time pumping down tbg & circ out 4-1/2" annulus. Set Baker Lok-Set @ 7357', pressured csg to 500 psi-OK. Ran pump in tracer survey @ ½ BPM. Survey showed 50% fluid entry @ bottom perf @ 7577' & 50% leaking past RBP @ 7514'. Pulled pkr & retrieved RBP. Set Baker Lok-Set @ 7126'. Pumped 150 sx Class H w/.8% Halad 9 & 2% CaCl. Displaced cmt 250' below pkr w/fresh wtr. Pulled pkr & tagged cmt @ 7361'. Drilled cmt to 7633'. Perfed Lower Wolfcamp Bursum w/l JSPF @ 7660-7667' (8 holes) & 7672-75' (4 holes). Set pkr @ 7605'. Swabbed tbg down to 7000' w/small show of gas. Made 12 swab runs in 8 hrs w/small show gas. Pulled tbg & set CIBP @ 7610'. Perfed Middle Wolfcamp Bursum w/l JSPF from 7555-7562' (8 holes) & 7571-7577 (7 holes) for a total of 15 holes. Set pkr @ 7454'. Swabbed dry in 6 hrs w/small show of gas. Acidized perf 7555-7577' w/2000 gal 15% NE-FE acid using 30 ball sealers. Very little ball action. Swabbed 7 hrs w/small flare while swabbing. Set RBP @ 7219'. WIH w/3-1/8" csg gun & perfed Upper Wolfcamp Bursum w/l JSPF from 7146-7159' for a total of 14 holes (.38"). Spotted 1 bbls 15% NE-FE acid over perfs. Pulled pkr & set @ 7056'. Acidized Upper Wolfcamp Bursum perfs 7146-7159' w/a total of 2000 gals 15% NE-FE acid using 28 ball sealers. Balled out. Made 15 swab runs in 4½ hrs w/good shows of oil & gas. Made 6 swab runs in 5 hrs-swabbed dry. Recovered 4 BO & 14 BLW. Set CIBP @ 7290'. Set pkr @ 7049'. Fraced Wolfcamp Bursum perfs 7146-7159' with 27,100 gals of a mixture of 2/3 cross-linked gel and 1/3 CO₂ & 3000# 100 mesh sand & 31,000# 20/40 sand. Opened well on 1/2" ck; recovering 159 BLW and died. Made 10 swab runs in 5½ hrs; swabbed dry. Swabbed & flowed load wtr, swabbed dry. Ran sinker bar on sand line-tagged fill @ 7259' (perfs @ 7156-7159'). WIH w/2-3/8" tbg to 7215'. Further work pending approval to P&A.