

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawn by
Artesia, NM 88210

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 well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
Robert N. Enfield

O. C. D.
ARTESIA, OFFICE

3. ADDRESS OF OPERATOR
P.O. Box 2431, Santa Fe, NM 87504-2431

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

AT SURFACE: 660' FNL & 660' FEL of Sec. 18
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

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

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5. LEASE
NM-A-32594

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal "18"

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
McMillan Upper Penn Gas

East Lake
Morrow

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

Sec. 18, T19S, R27E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3271.2 GR

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

DAF 6 Report date: 9/20/88 (Work done 9/19/88)

40 hours SITP= 800 psig; opened well to pit, blew down in 10 minutes.

Rigged-up and began to swab; IFL @ 4200' FS.

Recovered 10 bbls. load water in first two runs; strong blow of gas decreasing to weak blow in 30 minutes.

Made 10 runs from seating nipple in next 7 hours; recovered 14 BLW, good blow of gas with each swab run.

Recovered 1.5 BLW in last 2 hours of swabbing.

Recovered 24.0 BL today; 66.5 BLTR (does not include load fluids lost to formation during T/A operations).

DAF 7 Report date: 9/21/88 (Work done 9/20/88)

14.5 hours SITP= 1650 psig; opened well to pit, blew down in 15 minutes.

Rigged-up and began to swab; well kicked-off and began to flow, laid down swab.

After 45 minutes, FTP= 35 psig, 3/4" choke.

Shut-in and rigged-up Schlumberger; perforated each of the following intervals with 2 shots per foot with 1-11/16" Enerjet guns: 9685' to 9688' KB (7 shots), 9712' to 9718' KB (13 shots), 9725' to 9728' KB (7 shots), 9734' to 9740' KB (13 shots).

SITP= 1000 psig when shut-in (1 hour); at end of time required to perforate (2 hours), pressure had increased to 1350 psig.

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

SIGNED Robert N. Enfield TITLE Operator

DATE 9/28/88

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ACCEPTED FOR RECORD

SEP 30 1988

Rigged-up Halliburton; treated all perforations as follows:

500 gallons of 2% KCl water with 1 gallon of Enwar-268 & 1 gal of Superflo

3000 scf Nitrogen pad volume

3000 gallons of 7-1/2% Moroflow BC with 120 ball sealers

1000 gallons of 2% KCl water displacement

All fluids with 1000 scf Nitrogen per bbl.

Slight ball action. Total load to recover (this treatment) 107 bbls.

Maximum pressure= 5360 psig, average= 4800 psig, ISIP= 3800 psig, 15" SIP= 3000 psig; average injection rate 3.90 BPM (acid plus nitrogen). Treatment completed at 1:30 PM.

Rigged-down HOWCO and hooked up flow line to pit.

2:15 PM: Began flowing well, increased choke to 3/4" in about 30 minutes.

4:00 PM: FTP= 50 psig on 3/4" choke.; recovering nitrogen, spray of water and some gas. Estimated recovery 20 Bbls, 87 BLTR.

DAY 8 Report date: 9/22/88 (Work done 9/21/88)

6:45 AM: Well dead, no recovery over night; total recovery of treatment 22 BLW.

Rigged-up and ran swab; IFL= 3500' FS; swabbed 10 hours, last 6 hours one run per hour from seating nipple.

Recovered 39 BLW; 46 BLTR.

Weak blow of gas with fluid during swab run.

DAY 9 Report date: 9/23/88 (Work done 9/22/88)

6:45 AM: 14 Hr. SITP= 1350 psig; opened well to pit, down to weak blow in 15 minutes; unloaded 4 bbls of water in 35 minutes.

Rigged-up and began to swab; IFL= 4800' FS. Made 3 runs, swabbed dry. Recovered total of 4.5 BLW in 4 hours.

Shut-in for pressure build-up; 3 hours SITP= 700 psig. Opened well on 1/2 inch choke, down to weak blow in 30 minutes with a light spray of water.

Rigged-up and began to swab; swabbed until 5:00 PM, recovered additional 7 BLW. Recovered 39 BLW; 46 BLTR.

DAY 10 Report date: 9/24/88 (Work done 9/23/88)

6:45 AM: 13.75 Hr. SITP= 1500 psig; opened well to pit on 1/2 inch choke, down to weak blow in 15 minutes; began to unload water after 30 minutes; good blow of gas with spray of water.

Increased choke to 3/4 inch; blew down in 15 minutes.

Went in hole with swab; made 2 runs, recovered 2.75 BLW, swabbed dry.

SI to rig down and move pulling unit at 10:30 AM, 9/23/88.