

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

SF 079333

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Rucker Lake #2 SWD

9. APIWELL NO.

30-039-23231

10. FIELD AND POOL OR WILDCAT

Morrison

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

SW/4

Sec 24-T25N-R2W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other SWDb. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☒ Other Convert to Injection

2. NAME OF OPERATOR

NM&O Operating Company

3. ADDRESS AND TELEPHONE NO.

6 East 5th Street #200 Tulsa, OK 74103 918-584-3802

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1450' fsl and 1520' fw1 NW/SW

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

SWD-658

DATE ISSUED

5-22-97

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED

7-12-83

16. DATE T.D. REACHED

8-25-83

17. DATE COMPL. (Ready to prod.)

8-25-83 / 10-16-97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

7382' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8975'

21. PLUG, BACK T.D., MD & TVD

8428'

22. IF MULTIPLE COMPL., HOW MANY*

Single

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-8750'

CABLE TOOLS

NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Morrison 8,155' - 8,428' (Openhole)

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORRED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3 [#] H40	522'	13 3/4"	536 ft ³ - surface	
4 1/2"	10.5 [#] K55	8155'	6 1/4"	2402 ft ³	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8012'	8012'

31. PERFORATION RECORD (Interval, size and number)

Gallup perforations 6425' - 7484' squeezed with 242 cubic feet (42 bbls) cement. Morrison completed openhole for injection from 8155' - 8428'.

32. ACID, SHOT, FRACTURE, GEL, SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND TYPE OF MATERIAL USED

MAR 16 1998

OIL CON. DIV.

33.* PRODUCTION

DATE FIRST injection 1-14-98 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump WELL STATUS (Producing or shut-in) injection

DATE OF TEST 10-16-97 HOURS TESTED 1 hr CHOKER SIZE PROD'N. FOR TEST PERIOD OIL—BSL. GAS—MCF. WATER—BSL. GAS-OIL RATIO 1.25

PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE 3/12/98

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH