Form 3160-4
(November 1983)
(formerly 9-330)

Form approved. U
Budget Bureau No. 1004-0137
Expires August 31, 1985

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: SF-078509

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: San Juan 32-9 Unit

8. FARM OR LEASE NAME: San Juan 32-9 Unit

9. WELL NO.: 279

10. FIELD AND POOL, OR WILDCAT: Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec.31, T-32-N, R-9-W NMPM

12. COUNTY OR PARISH: San Juan

13. STATE: NM

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: ~~El Paso Natural Gas Company~~ Meridian Oil Co

3. ADDRESS OF OPERATOR: PO Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 840'S, 990'W
At top prod. interval reported below:
At total depth:

14. PERMIT NO.: 30-045-28075 | DATE ISSUED:

15. DATE SPUDDED: 8-23-90 | 16. DATE T.D. REACHED: 9-9-90 | 17. DATE COMPL. (Ready to prod.): 9-15-90 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 6775'GL | 19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 3594' | 21. PLUG, BACK T.D., MD & TVD: | 22. IF MULTIPLE COMPL., HOW MANY*: 1 | 23. INTERVALS DRILLED BY: → | ROTARY TOOLS: Yes | CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Fruitland Coal - uncemented Liner

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: none

27. WAS WELL CORED: no

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 9 5/8" | 36.0# | 312' | 12 1/4" | 283 cu.ft. | |
| 7 " | 23.0# | 3329' | 8 3/4" | 1061 cu.ft. | |
| | | | | | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| 5 | 3270 | 3593 | did not cmt | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 3/8" | 3582 | 3376 |

31. PERFORATION RECORD (Interval, size and number)
3386-3429', 3466-3590'
(predrilled liner)

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| | |

33.* PRODUCTION

DATE FIRST PRODUCTION: Shut-in waiting on pipeline connection, capable of commercial hydrocarbon prod. | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): | WELL STATUS (Producing or shut-in):

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| | | | | | 2.03 MMCF-pitot gge | | |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| SI 636 | SI 1326 | | | | | |

ACCEPTED FOR RECORD
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FARMINGTON RESOURCE AREA
BY

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): To be sold | TEST WITNESSED BY: BHP @ 3570' 1449

35. LIST OF ATTACHMENTS: temp.survey

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

SIGNED: Peggy Bradfield | TITLE: Regulatory Affairs | DATE: 10-19-90

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| Ojo Alamo | 2000 | 2087' | White, cr-gr ss. |
| Kirtland | 2087' | 3195' | Gry sh interbedded w/tight, gry, fine-gr ss. |
| Fruitland | 3195' | 3594' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. |

Drill Stem Test:
Interval tested: 3362-3380'
Cushion Used: none
Times & pressures: Initial Flowing (30 minutes) 37 psi - 127 psi
Initial Shut in (59 minutes) 1235 psi
Final Flowing (76 minutes) 36 psi - 89 psi
Final Shut in (124 minutes) 1140 psi

Recoveries: drill sting = 30 ft. of drlg water
sampler = 0 - 56 cu.ft. gas @ 80 psi and 500 cc drlg. water

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DIST. 3

38. GEOLOGIC MARKERS

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| Ojo Alamo | 2000' | |
| Kirtland | 2087' | |
| Fruitland | 3195' | |