Form approved.
Budget Bureau No. 42-R355.5

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

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
# GEOLOGICAL SURVEY

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: SF 078499-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Hardie E

9. WELL NO.: 2A

10. FIELD AND POOL, OR WILDCAT: Blanco Mesa Verde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 9, T-28-N, R-8-W N.M.P.M.

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

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

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

2. NAME OF OPERATOR: El Paso Natural Gas Company

3. ADDRESS OF OPERATOR: P. O. Box 990, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1050' S, 800' E
At top prod. interval reported below
At total depth

14. PERMIT NO. / DATE ISSUED

15. DATE SPUDDED: 9-15-76

16. DATE T.D. REACHED: 9-22-76

17. DATE COMPL. (Ready to prod.): 11-3-76

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 6326' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD: 5441'

21. PLUG, BACK T.D., MD & TVD: 5424'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY: → 0-5441

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 4376 - 5400 (MV)

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: IL-GR; CDL-GR; Temperature Survey

27. WAS WELL CORED: No

### CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 5/8" | 36# | 237' | 13 3/4" | 224 cu. ft. | |
| | 20# | 3150' | 8 3/4" | 370 cu. ft. | |

### LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| " | 3001 | 5441 | 425 cu. ft. | |

### TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 3/8" | 5396 | |

31. PERFORATION RECORD (Interval, size and number)
2 4488 4494 4505 4509 4523 4532 4548
7 4750 4777 4794 4875 4887 4978 4991
per zone. 5046 5052 5058 5064
5083 5089 5104 5117 5135 5166 5177
5247 5256 5299 5317 5328 5347 5381
1 shot per zone.
4376 4457

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 4376 - 4991 | 65,000# sd; 64,974 gal. wtr. |
| 5046 - 5400 | 65,000# sd; 64,974 gal. wtr. |

### PRODUCTION

DATE FIRST PRODUCTION: after frac
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): gauge - 1587 MCF/D
WELL STATUS (Producing or shut-in): Shut-in

| HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|
| | | → | | | | |

| CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|
| SI 735 | → | | | | |

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

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: [illegible] TITLE: Drilling Clerk DATE: November 10, 1976

TEST WITNESSED BY: Jesse Goodwin

RECEIVED
NOV 15 1976
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

NOV 12 1976
OIL CON. COM.
DIST. 3

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or
or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number
submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, t
and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electr
tion and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations.
should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Co
or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any att
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 sho
interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequ
for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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. |
|---|---|---|---|
| | | | |

38. GEOLOGIC MARKERS

| NAME | TO MEAS. DEPTH |
|---|---|
| MV | 4446 |
| PL | 5040 |

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