N. M. O. C. C.

Form 9-330
(Rev. 5-63)

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-4014

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Rocky Arroyo B

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Rocky Arroyo

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 17, T-22-S, R-22-E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

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

3. ADDRESS OF OPERATOR: 1800 Wilco Building, Midland, Texas 79701

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

At surface: 660 FNL, 1980 FWL of Section

At top prod. interval reported below: Same

At total depth: Same

14. PERMIT NO.: | DATE ISSUED:

15. DATE SPUDDED: 3-23-72 | 16. DATE T.D. REACHED: 5-11-72 | 17. DATE COMPL. (*Ready to prod.*): 7-1-72 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 4374 Gr, 4391 DF, 4393 KB | 19. ELEV. CASINGHEAD: 4379

20. TOTAL DEPTH, MD & TVD: 9253 MD & TVD | 21. PLUG, BACK T.D., MD & TVD: PBD 9182 | 22. IF MULTIPLE COMPL., HOW MANY*: | 23. INTERVALS DRILLED BY: → | ROTARY TOOLS: All | CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Mid-Morrow 8986-98

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Comp. Neutron, Form Density, DI, Prox.-Microlog

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
13 3/8	48#	201	17 1/2	350 sxs	
9 5/8	36# & 47#	1889	12 1/4	620 sxs	
5 1/2	15.5# & 17#	9268	7 7/8	1825 sxs	

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	8963.35	8963

31. PERFORATION RECORD (~~*Interval, size and number*~~)

7352-7366
9011-9023

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7352-7366	Acidize 11,420 gals
8986-8998	Gas Frac 6200 gals J-263,
	8000 gals LPG
	18,000# sand

33.*

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
		Shut In

Posted 8-1-72

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-29-72	72	3/4		TSTM	76	TSTM	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1854	0		TSTM	1236	TSTM	

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

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 C. D. Kyser (C. D. Kyser) TITLE Production Clerk DATE July 21, 1972

*(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 a State agency, 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 of copies to be 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, the local Federal 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 electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments 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. Consult local State 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 attachments.

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 show the producing 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, adequately identified, 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 tool.

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.
Wolfcamp	4470	4563	DST #1 - 2 hrs, FP 168-357, SIPS 1674-1637, 0 psi + 2500 cc water
Cisco-Canyon Ls	7186	7303	DST #2 - 1 hr, FP 168-231, FSIP 775, rec 410' of DM, 2500 cc mud in sampler
Canyon Ls	7372	7450	DST #3 - 2 hrs, FP 140-233, FSIP 2136, 2300 psi, 16.3 cu.ft. gas, 150 cc Dist, 400 cc salt water
Md Morrow Sand	8990	9071	DST #4 - 2 hrs, FP 95#, FSIP 3458, rec 100' DM, 255 MCF/D, no fluid
Low Morrow Sand	9110	9161	DST #5 - 1 hr, FP 33, FSIP 605, sample chamber rec nothing.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Grayburg	Surface	
San Andres	50	
Glorieta	1530	
Yeso	1593	
Bone Spring	3310	
Abo	3680	
Wolfcamp	4330	
Cisco	7050	
Canyon	7310	
L. Strawn	7915	
Atoka	8457	
Morrow	8890	

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