

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other in-
structions on
reverse side)

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

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

3. ADDRESS OF OPERATOR
P. O. Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with *State Requirements*)
At surface 1690'S, 1780'E

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.

SF 078566A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Howell

9. WELL NO.

4A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

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

Sec. 27, T-28-N, R-8-W
NMPM

12. COUNTY OR PARISH
San Juan

13. STATE
NM

15. DATE SPUDDED 7-24-85 16. DATE T.D. REACHED 7-31-85 17. DATE COMPL. (Ready to prod.) 9-27-85 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)* 6283' GL 19. ELEV. CASINGHEAD 6283'

20. TOTAL DEPTH, MD & TVD 5400' 21. PLUG BACK T.D., MD & TVD 5388' 22. IF MULTIPLE COMPL. HOW MANY* One 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4365-5358' (Blanco Mesa Verde) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Ind. Electrical Log; Comp. Density Sidewall Neutron Log; Temp Survey 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"	32.3#	225'	12 1/4"	130 cu ft	
7"	20.0#	3030'	8 3/4"	388 cu ft	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	2835'	5400'	440 cu ft		2 3/8"	5333'	

31. PERFORATION RECORD (Interval, size and number) 5013, 5016, 5020, 5025, 5030, 5036, 5051, 5059, 5178, 5208, 5223, 5239, 5260, 5268, 5285, 5305, 5309, 5358 w/1 SPZ. 2nd stage 4920, 4923, 4926, 4929, 4932, 4944, 4946, 4949, 4951, 4954, 4960, 4963 4970, 4973, 4976, 4994 w/1 SPZ. 3rd stage 4365

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5013-5358	78,000# 20/40 sand&100,968gals wt
4920-4994	42,000# 20/40 sand&60,480 gals wt
4365-4841	44,000# 20/40 sand&72,324 gals wt

*Conti. Perf's on Pg. 2
DATE FIRST PRODUCTION 9-9-85 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-27-85	3 Hrs.	3/4"		0	508 MCF	0	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 837	SI 930		0	3682	0	0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut in to be Sold TEST WITNESSED BY John Easley

35. LIST OF ATTACHMENTS Temp Survey; Conti. Perf's Pg. 2

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Reggie Dahl TITLE Billing Clerk DATE 9-30-85

*(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):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Chacra	3642'	4362'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3642'	
Mesa Verde	4362'	4384'	Gry, fine-grn, dense sil ss., carb sh & coal	Mesa Verde	4362'	
Menefee	4384'	4900'	Gry, fine-grn s, carb sh & coal	Menefee	4384'	
Point Lookout	4900'	5400'	Gry, very fine sil ss w/frequent sh breaks	Point Lookout	4900'	

USGS COMPLETION REPORT & LOG
HOWELL #4A
CONTINUED PERF'S-PG 2

4374, 4379, 4621, 4624, 4643, 4647, 4813, 4816, 4832, 4835, 4838, 4841 w/1 SPZ.