

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

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. RESER. ☐ 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 any State requirements)*
At surface 1840'N 815'W
At top prod. interval reported below
At total depth

14. PERMIT NO. DIST. 9 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.
SF 079250

7. UNIT AGREEMENT NAME
San Juan 28-5 Unit

8. FARM OR LEASE NAME
San Juan 28-5 Unit

9. WELL NO.
88M

10. FIELD AND POOL, OR WILDCAT,
Blanco MV/Basin DK

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA
Sec. 15, T-28-N, R-5-W
NMPM

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUDDED 11-9-85 16. DATE T.D. REACHED 11-21-85 17. DATE COMPL. (Ready to prod.) 1-9-86 18. ELEVATIONS (D.F. R.N.B. RT. OR, ETC.)* 6667' GL 19. ELEV. CASINGHEAD 6667'

20. TOTAL DEPTH, MD & TVD 8059' 21. PLUG BACK T.D., MD & TVD 8051' 22. IF MULTIPLE COMPL., HOW MANY? Two 23. INTERVALS DRILLED BY Rotary 24. ROTARY TOOLS 25. CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
7860-8051' (Basin Dakota) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CBL w/GR Correlation; Temp. Log; Ind. Electrical Log; Temp Survey;
Comp. Density Sidewall Neutron Log; Comp. Density Comp. Neutron Log 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"	48.0#	218'	17 1/2"	289 cu ft	
9 5/8"	40.0#	3968'	12 1/4"	631 cu ft	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	3813'	6368'	359 cu ft		1 1/2"	6151' (MV)	6212'
4 1/2"	6260'	8059'	278 cu ft		2 3/8"	8026' (DK)	

31. PERFORATION RECORD (Interval, size and number) Pressure test to 4500 psi-ok. Perf'd (DK) 7860, 7916, 7928, 7931, 7934, 7937, 7940, 7943, 7946, 7988, 7991, 8006, 8009, 8012, 8015, 8034, 8037, 8046, 8049, 8051 w/1 SPZ. 2nd stage press test to 4000 psi-ok. Perf'd (Lower Pt.) 6010, 6023, 6035, 6051, 6010-6176' 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. AMOUNT AND KIND OF MATERIAL USED 7860-8051' 75,000# 20/40 sand & 62,500 gal: 50# gel fluid 6010-6176' 38,000# 20/40 sand & 70,750 gal: fresh water

* Continued Perf's listed on back pg. 1 ** Continued Depth Intervals listed on back pg. 1

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-14-85		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-9-86	SI 7 Days	3/4"		0	158 MCF/D	0	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
SI 1820	SI -0-		0	1290	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

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

SIGNED [Signature] TITLE Drilling Clerk DATE 1-10-86

*(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 recovery):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2985'	3058'	ss. White cr-grn s.	Ojo Alamo Kirtland Fruitland Plc.Cliffs Chacra Mesa Verde Menefee Pt.Lookout Mancos Gallup Greenhorn Graneros Dakota	2985'	
Kirtland	3058'	3340'	Gry sh interbedded w/tight gry fine-grn ss.		3058'	
Fruitland	3340'	3610'	Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.		3340'	
Pictured Cliffs	3610'	4584'	Gry, fine-grn tight, varicolored soft ss.		3610'	
Chacra	4584'	5384'	Gry fn grn silty, glauconitic sd stone w/drk gry shale		4584'	
Mesa Verde	5384'	5459'	Gry, fine-grn, dense sll ss., carb sh & coal		5384'	
Menefee	5459'	5780'	Gry, fine-grn s, carb sh & coal		5459'	
Point Lookout	5780'	6280'	Gry, very fine sll ss w/frequent sh breaks		5780'	
Mancos	6280'	6802'	Gry carb sh.		6280'	
Gallup	6802'	7737'	Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. Interbed sh		7737'	
Greenhorn	7737'	7793'	Highly calc gry sh w/thin lmst.			
Graneros	7793'	7911'	Dk gry shale, fossil & carb w/pyrite incl.			
Dakota	7911'	8059'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks			
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* Continued Perf's:			6073, 6078, 6083, 6163, 6176 w/1 SPZ. 3rd stage press test to 4500 psi-ok. Perf'd (Mass. Pt) 5786, 5789, 5792, 5801, 5809, 5817, 5820, 5823, 5839, 5842, 5845, 5848, w/1 SPZ. 4th stage press test to 4500 psi-ok. Perf'd 5389, 5399, 5416, 5542, 5661, 5666, 5671, 5683, 5690 w/1 SPZ. (C.H. & Menefee)			
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** Continued Depth Intervals:			5786-5940', 33,500# 20/40 sand & 97,300 gal\$ freshwater. 5389-5690', 37,500# 20/40 sand & 97,050 gal\$ freshwater.			