

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions 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						7. UNIT AGREEMENT NAME Haerfano Unit	
3. ADDRESS OF OPERATOR P. O. Box 4289, Farmington, NM 87499						8. FARM OR LEASE NAME Huerfano Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1150'N 1460'FEL At top prod. interval reported below At total depth						9. WELL NO. 191E	
14. PERMIT NO. _____ DATE ISSUED _____						10. FIELD AND POOL, OR WILDCAT Basin Dakota	
11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA Sec. 21, T-26-N, R-9-W NMPM						12. COUNTY OR PARISH San Juan	
13. STATE NM						15. DATE SPUDDED 6-3-85	
16. DATE T.D. REACHED 7-9-85		17. DATE COMPL. (Ready to prod.) 7-19-85		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 6364' GL		19. ELEV. CASINGHEAD 6364'	
20. TOTAL DEPTH, MD & TVD 6587' 6594'		21. PLUG, BACK T.D., MD & TVD 6571'		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) * 6409- 6554 (Basin Dakota)						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Temp. Survey; C-GRL; Densilog NGR; Prolog Field Analysis; Ind. Elec. GR; Ind. GR;						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8"		24		230 228		12 1/4"	
4 1/2"		10.5		6587		7 7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8"		6539					
31. PERFORATION RECORD (Interval, size and number)							
6409, 6411, 6413, 6435, 6438, 6441, 6444, 6447, 6472, 6474, 6476, 6530, 6533, 6536, 6539, 6542, 6545, 6548, 6551, 6554, w/1 SPZ							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
6409-6554				51,000# 40/60 sand&71,568 gals wt			
33. PRODUCTION							
DATE FIRST PRODUCTION 7-11-85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 7-19-85		HOURS TESTED 3 Hrs.		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD 0	
FLOW. TUBING PRESS. SI 1213		CASING PRESSURE SI 1423		CALCULATED 24-HOUR RATE 0		OIL—BBL. 0	
						GAS—MCF. 347 MCF	
						WATER—BBL. 0	
						GAS-OIL RATIO 0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut in to be Sold							
35. LIST OF ATTACHMENTS Cement Record; 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 8-5-85	

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMCCC

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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Ojo Alamo	1170	1260	ss. White cr-grn s.	Ojo Alamo	1170	
Kirtland	1260	1820	Gry sh interbedded w/tight gry fine-grn ss.	Kirtland	1260	
Fruitland	1820	1995	Gry carb sh, scattered coals, coals and gry tight, fine-grn ss.	Fruitland	1820	
Pictured Cliffs	1995	2860	Gry, fine-grn tight, varicolored soft ss.	Pictured Cliffs	1995	
La Ventana	2860	3551	Wt to lt buff to med grn sl carb bent sd.	La Ventana	2860	
Mesa Verde	3551	3605	Gry, fine-grn, dense sil ss., carb sh & coal.	Mesa Verde	3551	
Menefee	3605	4400	Gry, fine-grn s, carb sh & coal.	Menefee	3605	
Point Lookout	4400	4671	Gry, very fine sil ss w/frequent sh breaks.	Point Lookout	4400	
Mancos	4671	5474	Gry carb sh.	Mancos	4671	
Gallup	5474	6345	Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.	Gallup	5474	
Greenhorn	6345	6400	Highly calc gry sh w/thin lmst.	Greenhorn	6345	
Graneros	6400	6525	Dk gry shale, fossil & carb w/prite incl.	Graneros	6400	
Dakota	6525	6587	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks.	Dakota	6525	

CEMENT RECORD
HUERFANO UNIT #191E
USGS COMPLETION REPORT

8 5/8" SURFACE CASING - Cmt'd w/145 class B sks cmt, 1/4# gel-flake/sk
(171 cu ft)

4 1/2" PRODUCTION CSG. - Cmt'd w/265 class B sks cmt, 50/50 POZ mix, 2%
gel, 10% salt, 10% Cal-Seal, 1/4# fine tuf-plug/sk
(416 cu ft)

Cmt'd 2nd stage w/310 class B sks cmt, 65/35 POZ
mix, 6% gel, 2% CaCl_2 (502 cu ft)

Cmt'd 3rd stage w/620 class B sks cmt, 65/35 POZ
mix, 6% gel, 2% CaCl_2 (1004 cu ft)