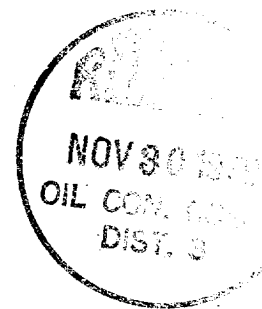


EL PASO NATURAL GAS CO.

DEVIATION REPORT

Name of Company El Paso Natural Gas Company		Address P. O. Box 289, Farmington, New Mexico 87401			
Lease Allison Unit	Well No. 31	Unit L	Sec. 14	Township 32-N	Range 7-W
Pool Basin Dakota		County San Juan			

DEPTH	DEVIATION
229'	1/4°
729'	1/4°
1227'	1/2°
1727'	1/2°
2229'	1/2°
2729'	1/2°
3226'	1/2°
3724'	1/2°
4225'	1/2°
4722'	1 1/2°
5240'	3 1/2°
5604'	3 1/4°
6114'	3 1/4°
6509'	2°
7010'	1°
7550'	1°
7958'	0°
8269'	1 1/2°
8473'	2°



I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

W. H. Anderson

Subscribed and sworn to before me this 28th day of November, 1979.

Nora G. Susco

Notary Public in and for San Juan County, New Mexico

My Commission expires, October 5, 1980

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.1.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF 078459-B	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Allison Unit	
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME Allison Unit	
3. ADDRESS OF OPERATOR Box 289, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Allison Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1465'S, 810'W At top prod. interval reported below At total depth		9. WELL NO. 31	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 14, T-32-N- R-7-W N.M.P.M.	
15. DATE SPUDDED 9-17-79		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 9-29-79		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 11-26-79		19. ELEV. CASINGHEAD	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6853' GL		20. TOTAL DEPTH, MD & TVD 8473'	
21. PLUG, BACK T.D., MD & TVD 8466'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY → 0-8473'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8343-8463' (Dak)	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN FDC-GR; I-GR; Temp. Survey	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)	
CASINO SIZE		WEIGHT, LB./FT.	
9 5/8"		32.3#	
7"		20#	
4 1/2"		10.5#	
DEPTH SET (MD)		HOLE SIZE	
229'		13 3/4"	
4130'		8 3/4"	
8473'		6 1/4"	
CEMENTING RECORD		AMOUNT PULLED	
224 cu. ft.			
345 cu. ft.			
674 cu. ft.			
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
		1.9"	
		DEPTH SET (MD)	
		8422'	
		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) 8343, 8349, 8355, 8395, 8401, 8412, 8423, 8437, 8463' W/1 SPZ.		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
8343-8463'		81,370# sd, 61,740 gal. wtr.	
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) After Frac Gauge 646 MCF/D	
DATE OF TEST 11-26-79		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS—MCF.	
WATER—BBL.		WATER—BBL.	
FLOW. TUBING PRESS. SI 1512		CASING PRESSURE SI 1587	
CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—MCF.		WATER—BBL.	
TEST WITNESSED BY T. McAndrews			
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 R. G. Busico TITLE Drilling Clerk DATE November 28, 1979

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

05 1979

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				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
				Chacra	5140
				Mesa Verde	5689
				Point Lookout	6040
				Gallup	7317
				Green Horn	8154
				Graneros	8200
				Dakota	8334