

Santa Fe, New Mexico

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

El Paso Natural Gas Company
(Company or Operator)

Huerfano Unit

Well No. 117, in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 16, T. 26-N, R. 10-W, NMPM.
Basin Dakota Pool, San Juan County.

Well is 990 feet from South line and 990 feet from East line
of Section 16 If State Land the Oil and Gas Lease No. is B-11512-6

Drilling Commenced 12-20, 19 60 Drilling was Completed 1-8, 19 61

Name of Drilling Contractor..... **Pico Drilling Company**.....

Address.

Elevation above sea level at Top of Tubing Head.....6582'..... The information given is to be kept confidential until
..... 19.....

No. 1, from 6517 to 6620 (G) No. 4, from.....to.....
No. 2, from 6620 to 6789 (G) No. 5, from.....to.....
No. 3, from.....to..... No. 6, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
9 5/8"	32.5	New	328	Howco			surface
5 1/2"	17 7 15.5	New	6775	Baker			prod casing
2"	4.7	New	6638				prod tubing

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13 3/4"	9 5/8"	340	350	circulated		
8 4/5"	5 1/2"	6785	410	single stage		

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

1-13-61 C.O.T.D. 6710. Pressure casing to 3500#, held O.K. Spotted 300 gal MCA, perf Dakota with 2 SDJ/ft. at 6622-54. treated with 50,400 gal water containing 2 % calcium chloride, & 160 gal Morflo. 60,000 # 40/60 sand. Flush 8400 gal water. I.R. 37.6 bbls/min. Max pr 2600# BDP 2200, avg tr pr 2300. Dropped 3 sets of 10 balls for 4 stages.

Result of Production Stimulation.....**A.O.F. 2226 MCF/D; Ch. Volume - 1731 MCF/D**

Depth Cleaned Out.....6710'

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 6789 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Completed 1-16-1961
~~Production~~

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity.

GAS WELL: The production during the first 24 hours was 2226 M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure 882 lbs. Ch. Volume - 1731 MCF/D
Length of Time Shut in 7 Days

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

T. Anhy
T. Salt
B. Salt
T. Yates
T. 7 Rivers
T. Queen
T. Grayburg
T. San Andres
T. Glorieta
T. Drinkard
T. Tubbs
T. Abo
T. Penn
T. Miss

T. Devonian
T. Silurian
T. Montoya
T. Simpson
T. McKee
T. Ellenburger
T. Gr. Wash
T. Granite
T.
T.
T.
T.
T.

Northwestern New Mexico

T. Ojo Alamo 1106
T. Kirtland 1250
T. Fruitland 1855
T. Farmington 2086
T. Pictured Cliffs 3700
T. Menefee 4481
T. Point Lookout 4680
T. Mancos 6620
T. Dakota
T. Morrison
T. Penn
T. Lewis 2171
T. Cliff House 3528
T. Gallup 5663
T. Sanostee 6119
T. Greenhorn 6460
T. Graneros 6517

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1106	1106	Tan to gry cr-grn ss interbedded w/gry sh.				
1106	1250	144	Ojo Alamo ss. White cr-grn s.				
1250	1855	605	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.				
1855	2086	231	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.				
2086	2171	85	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.				
2171	3528	1357	Lewis form. Gry, fine-gry, dense sil ss.				
3528	3700	172	Cliff House ss. Gry, fine-grn, dense sil ss.				
3700	4481	781	Manefee form. Gry, fine-grn s, carb sh & coal.				
4481	4680	199	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.				
4680	5663	983	Mancos form. Gry carb sh.				
5663	6119	456	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg.interbed sh.				
6119	6460	341	Sanostee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.				
6460	6517	57	Greenhorn form. Highly calc gry sh w/thin lmst.				
6517	6620	103	Graneros form. Dk gry shale, fossil & carb w/grite incl.				
6620	6789	169	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

February 8, 1961

Company or Operator El Paso Natural Gas Company

Address Box 990, Farmington, New Mexico

Name Original Signed By: D. H. Oheim

Position Title Petroleum Engineer