

**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)

**Fee**  
.....  
**(Lease)**

Well No. 23-1-C, in SE  $\frac{1}{4}$  of NE  $\frac{1}{4}$ , of Sec. 23, T. 25N, R. 2W, NMIM.

## Gavilan Pictured Cliffs

Pool..... Rio Arriba

**...County.**

Well is 1550 feet from North line and 1090 feet from East line

of Section 23 If State Land the Oil and Gas Lease No. is Free

Drilling Commenced 11-21, 19 59 Drilling was Completed 11-26, 19 59

Name of Drilling Contractor..... **Whigham Drilling Company**

Address.....

Elevation above sea level at Top of Tubing Head.....7420..... The information given is to be kept confidential until  
....., 19.....

No. 1, from 3500 to 3555 (g) No. 4, from.....to.....

No. 2, from.....to..... 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"	36	New	107'	Howco			Surface
5 1/2"	15.5	New	3609'	Baker			Prod. Bg.
1 1/4"	2.4	New	3500'				Prod. Tbg.

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13 3/8"	9 5/8	117'	70	Circulated		
8 3/4"	5 1/2"	3619'	125	Single Stage & Sq.		

**RELEASED**

**JAN 20 1960**

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

12-4-59 T.D. 3620'. C.O.T.D. 3562'. Water frac. Pictured Cliffs perf. int. 3484-3490; 3502-3508 (2 SFF) 3530-3534; 3540-3544 (4 SFF) w/14,700 gal. water & 15,500# sand. BHP 1400#, max. pr. 3100#, avg. tr. pr. 1400#. I.R. 45 BPM. Flush none, injected 1 set of 24 balls. Balled off.

Could not release balls. Dumped 250 gal. BDA ahead of frac. All water contained 1% Calcium Chloride.

chloride. A.O.F. = 2219 MCF/D; Ch. Volume = 2123 MCF/D

Depth Cleaned Out.....3562'

# 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 3620 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Completed 12-8, 1959

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 2219 M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure 861 lbs. Ch. Volume = 2123 MCF/D

Length of Time Shut in 9 Days

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

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy	T. Devonian	T. Ojo Alamo	3196
T. Salt	T. Silurian	T. Kirtland	3357
B. Salt	T. Montoya	T. Fruitland	3430
T. Yates	T. Simpson	T. Pictured Cliffs	3500
T. 7 Rivers	T. McKee	T. Menefee	
T. Queen	T. Ellenburger	T. Point Lookout	
T. Grayburg	T. Gr. Wash	T. Mancos	
T. San Andres	T. Granite	T. Dakota	
T. Glorieta	T.	T. Morrison	
T. Drinkard	T.	T. Penn	
T. Tubbs	T.	T. Lewis	3555
T. Abo	T.	T.	
T. Penn	T.	T.	
T. Miss	T.	T.	

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	3196	3196	Tan to gry cr-grn ss interbedded w/gry sh.				
3196	3357	161	Ojo Alamos. White cr-grn s.				
3357	3430	73	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.				
3430	3500	70	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine grn ss.				
3500	3555	55	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.				
3555	3620	65	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.				

OIL CONSERVATION COMMISSION			
AZTEC DISTRICT OFFICE			
No. Copies Received		6	
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	NO. FURNISHED		
Operator	2		
Santa Fe	1		
Proration Office			
State Land Office			
U. S. G. S.	2		
Transporter			
File	1		✓

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.

January 18, 1960

Company or Operator El Paso Natural Gas Company

Address Box 994, Farmington, New Mexico

Name ORIGINAL SIGNED A.M. SMITH

Position Title Petroleum Engineer