

**Santa Fe, New Mexico**

## WELL RECORD

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Well No. 19-32....., in N.E. ¼ of N.E. ¼, of Sec. 32....., T. 31 N....., R. 6 W....., NMPM.  
Blanco Mesa Verde..... Pool. Rio Arriba..... County.

Well is 990 feet from North line and 990 feet from East line  
of Section 32. If State Land the Oil and Gas Lease No. is E - 289 - 31

Drilling Commenced.....5-10....., 1960..... Drilling was Completed.....5-23....., 1960.....

Name of Drilling Contractor.....**Arapahoe Drilling Company**.....

Address.....

Address.....  
Elevation above sea level at Top of Tubing Head..... 6335'..... The information given is to be kept confidential until  
..... 19.....

No. 1, from	3290	to	3412 (G)	No. 4, from	5570	to	5742 (G)
No. 2, from	5301	to	5348 (G)	No. 5, from		to	
No. 3, from	5348	to	5570 (G)	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.

RECEIVED  
JUL 8 1960  
OIL CON. CO.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	32.75	New	281	Howco			Surface
7 5/8"	26.4	New	3511	Baker			Intermediate
5 1/2"	15.5	New	2334	Baker			prod liner
2"	4.7	Used	5698				Prod tubing.

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15 "	10 3/4"	294	330	circulated		
9 7/8"	7 5/8"	3523	135	single stage		
6 3/4"	5 1/2"	3466-5800	216	single stage		

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

Frac. Point Lookout w/77,910 gal. water & 50,000 # sand. B.D.P. none, max. pr. 2400 #,  
avg. tr. pr. 800-1000-1050-1200-1400-1600-2200 #. I. R. 68 B.P.M. Flush 9240 gal.  
Dropped 9 sets of 10 balls.

Result of Production Stimulation A.O.F. 2705 MCF/D, Ch. Volume - 2340 MCF/D

Depth Cleaned Out.....5754'

# 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 3527 feet, and from 3527 feet to 5803 feet. Gas Drilled  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Completed 5-28-60  
Put to Producing

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

GAS WELL: The production during the first 24 hours was 2705 M.C.F. plus barrels of  
liquid Hydrocarbon. Shut in Pressure 1122 lbs. Ch. Volume 2340 MCF/D  
Length of Time Shut in 12 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. Undeveloped
T. Salt.	T. Silurian	T. Kirtland Fruitland Undeveloped
B. Salt.	T. Montoya	T. Farmington Fruitland - 2957
T. Yates.	T. Simpson	T. Pictured Cliffs. 3290
T. 7 Rivers.	T. McKee	T. Menefee. 5348
T. Queen	T. Ellenburger	T. Point Lookout. 5570
T. Grayburg	T. Gr. Wash.	T. Mancos. 5742
T. San Andres	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn.
T. Tubbs	T.	T. Lewis 3412
T. Abo	T.	T. Cliff House 5301.
T. Penn.	T.	T.
T. Miss.	T.	T.

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Undev.	2957	2957	Tan to gry cr-grn ss inter-bedded w/gry sh.				
			Ojo Alamo ss. White cr-grn s.				
2957	3290	333	Kirtland form Gry sh inter-bedded w/tight gry fine-grn ss.				
			Fruitland form.gry carb sh, scattered coals, coals and gry, tight, fine-grn ss				
3290	3412	122	Pictured Cliffs form gry, fine grn, tight, varicolored soft ss.				
3412-5301	1889		Lewis form.gry, fine-grn, dense sil ss.				
5301	5348	47	Cliff House ss. gry, fine-grn dense sil ss.				
5348	5570	222	Menefee form. gry, fine-grn s, carb sh & ss coal.				
5570	5742	172	Point Lookout form.Gry, very fine sil ss w/frequent sh breaks.				
5742	5603	61	Mancos form. Gry carb sh.				

STATE OF NEW MEXICO		
OIL CONSERVATION COMMISSION		
AZULC D. DISTRICT OFFICE		
NUMBER OF COPIES RECEIVED		6
DISTRIBUTION		
SANTA FE	1	
ALBUQUERQUE	1	
LAND OFFICE	2	
TRANSPORTER	1	
OPERATOR	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.

July 6, 1960

Company or Operator El Paso Natural Gas Company Address Box 990, Farmington, New Mexico  
Name ORIGINAL SIGNED H.E. McANALLY Position Title Petroleum Engineer