

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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

AREA 640 ACRES
LOCATE WELL CORRECTLYEl Paso Natural Gas Company
(Company or Operator)Allison Unit
(Lease)

Well No. 20 (MD), in NW 1/4 of SW 1/4, of Sec. 18, T. 32N, R. 6W, NMPM.

Blanco M. V. & N. Los Pinos Dakota Pool, San Juan County.

Well is 1800 feet from South line and 850 feet from West line

of Section 18. If State Land the Oil and Gas Lease No. is 5-4

Drilling Commenced 3-28, 1959. Drilling was Completed 5-4, 1959.

Name of Drilling Contractor Anschutz Drilling Company

Address

Elevation above sea level at Top of Tubing Head 6518'. The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3161 to 3500 (G) No. 4, from 5703 to 5808 (G)

No. 2, from 5385 to 5494 (G) No. 5, from 7957 to 8192 (G)

No. 3, from 5494 to 5703 (G) No. 6, from to

IMPORTANT WATER SANDS

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.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48#	New	324'	Howco			Surface
9 5/8"	36#	New	3660'	Baker			Intermediate
7"	26 & 23#	New	4195'	Baker			Prod. Liner
5"	15#	New	511'	Baker			Prod. Liner
2"	4.7#	New	8067'				Prod. Tubing
2"	4.7#	New	5774'				Prod. Tubing

MUDGING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
20"	13 3/8	335'	315	Circulated		
12 1/4"	9 5/8	3670	1500	Single Stage		
8 3/4"	7"	3600-7795	1700	2 stages & squeeze		
6 1/8"	5"	7724-8235	68	Single Stage & Sd.		

RECORD OF PRODUCTION AND STIMULATION

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

5-11-59 Perf. Dakota (4 sh/ft.) 8088-97; 8101-10; 8159-69; pumped 10 bbls. MCA into perfs.
5-12-59 Water frac. Dakota w/80,740 gallons water & 60,000# sand, flush w/18,690 gal. I.R.
46.8 BPM. Max. pr. 3800#, MD pr. 2750#, Avg. tr. pr. 2800-3700#. Dropped 3 sets of 20 balls.
1% Calcium Chloride in frac. water.
5-14-59 Water frac. Upper Dakota perf. int. 7969-83; 8034-44; 8048-57 w/84,108 gal. water & 60,000# sand.
5-16-59 Bridge plug at 7800'. Water frac. Point Lookout perf. int. 5700-06; 5714-42 w/54,117 gal. water & 55,500# sand.
Result of Production Stimulation - A.O.P. = M. V. 5512; Dakota 8870 MCF/D
Ch. Volume = M. V. 3157; Dakota 6345 MCF/D
Depth Cleaned Out 8200'

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 Gas Drilled
Rotary tools were used from 0 feet to 3673 feet, and from 3673 feet to 7800 feet.
Cable tools were used from 7800 feet to 8240 feet, and from 8240 feet to 8240 feet.

Completed PRODUCTION
5-23 59

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 M. V. 5512
GAS WELL: The production during the first 24 hours was Dak. 8870 M.C.F. plus barrels of
M.V. 965
liquid Hydrocarbon. Shut in Pressure Dak. 2690 lbs.
M.V. 15 Days
Length of Time Shut in Dakota 9 days Ch. Volume = M. V. 3157; Dakota 6345 MCF/D

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	2464
T. Salt	T. Silurian	T. Kirtland	2660
B. Salt		T. Farmington	3161
T. Yates		T. Pictured Cliffs	5494
T. 7 Rivers		T. Menefee	5703
T. Queen		T. Point Lookout	5808
T. Grayburg		T. Mancos	7957
T. San Andres		T. Dakota	8192
T. Glorieta		T. Morrison	2962
T. Drinkard		T. Penn	3500
T. Tubbs		T. Fruitland	5385
T. Abo		T. Lewis	7165
T. Penn		T. Cliff House	7432
T. Miss		T. Gallup	7795
		T. Sanastee	7834
		T. Greenhorn	
		T. Graneros	

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE
No. Copies Received
DISTRIBUTION
Operator
Santa Fe
Production Office
State Geological Survey
U.S.G.S.
Transporter
File
FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2464	2464	Tan to gry cr-grn ss interbedded w/gry sh.				
2464	2660	196	Ojo Alamo ss. White cr-grn s.				
2660	2962	302	Kirtland form. Gry sh interbedded w/tight gry fine grn ss.				
2962	3161	199	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.				
3161	3500	339	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.				
3500	5385	1885	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.				
5385	5494	109	Cliff House ss. Gry, fine-grn, dense sil ss.				
5494	5703	209	Manefee form. Gry, fine-grn s, carb sh & coal.				
5703	5808	105	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.				
5808	7165	1357	Mancos formation. Gry carb sh.				
7165	7432	267	Gallup form. Lt gry to brn calc carb micase glauco very fine gry ss w/irreg. interbed sh.				
7432	7795	363	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.				
7795	7834	39	Greenhorn form. Highly calc gry sh w/thin lmst.				
7834	7957	123	Graneros form. Dk gry shale, fossil & carb w/pyrite incl.				
7957	8192	235	Dakota form. Lt to dk gry foss carb sil calc silty ss w/pyrite incl thin sh bands clay & shale breaks.				
8192	8240	48	Morrison form. Interbed grn brn and red waxy sh & fr to cr grn sd.				

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 2, 1959
El Paso Natural Gas Co.
Company or Operator
Address Box 997, Farmington, New Mexico
Name ORIGINAL SIGNED H.E. McANALLY
Position Title Petroleum Engineer