

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 CORRECTLY

El Paso Natural Gas Company

Huerfano Unit

(Company or Operator)

(Lease)

Well No. 99 (DG), in NE 1/4 of NW 1/4, of Sec. 2, T. 26N, R. 10W, NMPM.

Wildcat Dakota & Angel Peak Gallup Pool, San Juan County.

Well is 990 feet from North line and 1650 feet from West line

of Section 2. If State Land the Oil and Gas Lease No. is B-11356-18

Drilling Commenced 6-2, 1958 Drilling was Completed 7-1, 1958

Name of Drilling Contractor Miracle Fifer Drilling Co.

Address

Elevation above sea level at Top of Tubing Head 6596 The information given is to be kept confidential until

, 19

OIL SANDS OR ZONES

No. 1, from 2280 to 2373 (G) No. 4, from 5770 to 6122 (G)

No. 2, from 3150 to 4694 (G) No. 5, from 6813 to 6936 (G)

No. 3, from 4694 to 4918 (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
10 3/4"	32.75	New	308	Howco			Surface
7 5/8"	26.4	New	5654	Baker			Intermediate
5 1/2"	15.5	New	1361	Baker			Prod. Liner
2"	4.7	New	6857				Prod. Tubing
2"	4.7	New	6548				Prod. Tubing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	10 3/4"	321	350	Circulated		
9 7/8"	7 5/8"	5664	350	Two stages (1st st. 200 sks; 2nd st. 150 sks.)		
6 3/4"	5 1/2"	5572-6933	200	Single Stage		

RECORD OF PRODUCTION AND STIMULATION

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

7-6-58 Spotted 500 gals. MCA prior to perf. Dakota. Perf. Dak. w/4 SPF 6902-08; 6874-86; 6816-50; sand/oil treated w/85,222 gals. oil & 60,000# sand. Flushed w/12,100 gals. oil. Avg. I.R. 48.6 BPM. Foramtion broke at 2200', tr. pr. 2000-2200-2300-2500. Dropped 5 sets of 40 balls for 6 stage frac. 7-10-58 Set B.P. @ 6700'. Perf. Gallup w/4 SPF 6122-6146; sand/oil treated w/55,203 gals. oil & 50,000# sand. Flushed w/16,200 gals. oil. Avg. I.R. 41.6 BPM. No formation break down. Tr. pr. 2000-2100-2200-2400. Dropped no balls. Acidized Gallup perf. w/500 gals. 15% MCA preceding frac.

Result of Production Stimulation A.O.F. = D-2454; G-10,157 MCF/D Ch. Volume = D-2327; G-7563 MCF/D

Depth Cleaned Out. 6898

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 5665 feet, and from 5665 feet to 6167 feet.
 Cable tools were used from 6167 feet to 6936 feet, and from 6936 feet to 6167 feet.
 Mud circulation

Completed
 PRODUCTION
 7-17, 19 58

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 D-2454 G-10,157 M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure D-1643 G-1277 lbs. Ch. Volume = D-2327; G-7563 MCF/D
 Length of Time Shut in D - 7 days; G-14 Days

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.		T. Ojo Alamo.	1370
T. Salt.		T. Kirtland.	1470
B. Salt.		T. Fruitland.	2020
T. Yates.		T. Pictured Cliffs.	2288
T. 7 Rivers.		T. Menefee.	
T. Queen.		T. Point Lookout.	4694
T. Grayburg.		T. Mancos.	4918
T. San Andres.		T. Dakota Lewis.	2373
T. Glorieta.		T. Chacra Chacra.	3150
T. Drinkard.		T. Gallup Gallup.	5770
T. Tubbs.		T. McAdams.	6122
T. Abo.		T. Sanastee.	6289
T. Penn.		T. Greenhorn.	6640
T. Miss.		T. Graneros.	6695
		T. Dakota.	6813

OIL CONSERVATION COMMISSION
 AZTEC DISTRICT OFFICE
 No. Copies Received
 DISTRIBUTION
 T. Montoya. 6
 T. Simpson.
 T. McKee.
 T. Ellenburger.
 T. Gr. Wash. 1
 T. Granite. 1
 T. 1
 T. 2
 T. 1
 U.S.G.S.
 T. 1
 File
 FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1370	1370	Tan to gry cr-grn ss interbedded w/gry sh.				
1370	1470	100	Ojo Alamo ss. White cr-grn s.				
1470	2020	550	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.				
2020	2288	268	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-gr ss.				
2288	2373	85	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.				
2373	3150	777	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.				
3150	4694	1544	Chacra form. Gry fn grn silty, glauconitic sd stone with drk gry shale.				
4694	4918	224	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.				
4918	5770	852	Mancos formation. Gry carb sh.				
5770	6122	352	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irregular interbed sh.				
6122	6289	167	McAdams form. Lt. gry to brn calc carb micac glauco very fine gry ss w/irregular interbed sh.				
6289	6640	351	Sanastee form. Brk. gry calc very fine to fine gry ss w/calc veins w/irregular inter drk gry s.				
6640	6695	55	Greenhorn form. Highly calc gry sh w/thin lmst.				
6695	6813	118	Graneros form. Dk gry shale, fossil & carb w/pyrite incl.				
6813	6936	123	Dakota form. Lt to dk gry foss carb al calc al silty ss w/pyrite 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.

August 29, 1958
 Company or Operator El Paso Natural Gas Company
 Address Box 997, Farmington, New Mexico
 Name Original Signed D. C. Johnston
 Position Title Petroleum Engineer