

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

One Drilled

Rotary tools were used from 0 feet to 5400 feet, and from 5400 feet to 5945 feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing July 8, 1954

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 1,946,000 M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure 964 lbs. 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. 2805
T. Salt.			T. Silurian.		T. Kirtland. 2923
B. Salt.			T. Montoya.		T. Permian 3204
T. Yates.			T. Simpson.		T. Pictured Cliffs. 3530
T. 7 Rivers.			T. McKee.		T. Menefee. 5493
T. Queen.			T. Ellenburger.		T. Point Lookout. 5792
T. Grayburg.			T. Gr. Wash.		T. Mancos.
T. San Andres.			T. Granite.		T. Dakota.
T. Glorieta.			T.		T. Morrison.
T. Drinkard.			T.		T. Penn. 3611
T. Tubbs.			T.		T. Cliff House 5400
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	830	830	T n cr-grn ss w/thin sh breaks.				
830	1470	640	Variegated sh w/thin ss breaks.				
1470	2805	1335	Tan to gry cr-grn ss interbedded w/gry sh.				
2805	2923	118	Ojo Alamo ss. White cr-grn s.				
2923	3204	281	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.				
3204	3530	326	Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.				
3530	3611	81	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.				
3611	5400	1789	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.				
5400	5493	93	Cliff House ss. Gry, fine-grn, dense sil ss.				
5493	5792	299	Menefee formation. Gry, fine-grn s, carb sh and coal.				
5792	5945	153	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.				
				Formational tops above Cliff House are calculated tops as no log was run.			
				6644 3530 3164			

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 13, 1954

Company or Operator El Paso Natural Gas Company
Name ORIGINAL SIGNED E. J. COEL

Address Box 997, Farmington, New Mexico
Position or Title Petroleum Engineer

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

El Paso Natural Gas Company

(Company or Operator)

San Juan 32-9 Unit

(Lease)

Well No. 24, in NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 5, T. 31N, R. 2E, NMPM.
Blanco Pool, San Juan County.

Well is 900 feet from North line and 990 feet from East line
of Section 5. If State Land the Oil and Gas Lease No. is Fee

Drilling Commenced June 2, 1954 Drilling was Completed July 2, 1954

Name of Drilling Contractor Company tools

Address _____

Elevation above sea level at Top of Tubing Head 6694' GR The information given is to be kept confidential until _____, 19____.

OIL SANDS OR ZONES

No. 1, from 3550 to 3611 (0) No. 4, from 5792 to 5945 (0)
No. 2, from 5400 to 5493 (0) No. 5, from _____ to _____
No. 3, from 5493 to 5792 (0) 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
9 5/8	25.44	New	173'	Archer			Surface
7	23	New	2000	Baker			Prod. Csg.
7	20	New	3969				Prod. Csg.
2	4.7	New	5844				Prod. Tbg.

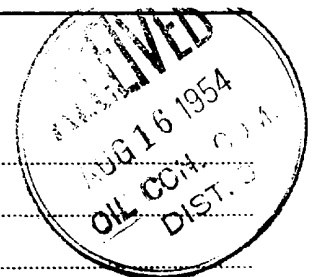
MUDDING AND CEMENTING RECORD

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	LOG	125	Circulated		
8 3/4	7	5400	500	Single Stage		

RECORD OF PRODUCTION AND STIMULATION

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

See Attached sheet for Sand-cils.



Increased Production

Result of Production Stimulation _____

Depth Cleaned Out 5945

6-28-54 Total Depth 5540', interval treated 5437-5540'.

Set Baker retainer at 5439' and treated Cliff House formation with 3000 gallons #2 diesel oil and 500# sand. Breakdown pressure 400#, maximum pressure 1000#. Injection rate 356 gallons per minute. Flushed with 1900 gallons oil. Natural gage 340 MCF. Gage 5 hours after treatment 700 MCF. Retainer slipped, will re-treat Cliff House as soon as hole is cleaned out.

6-30-54 Total Depth 5540', interval treated 5400-5540'.

Set Baker retainer at 5343' and treated Cliff House formation with 7700 gallons #2 diesel oil and 7700# sand. Breakdown pressure 500#. Maximum pressure 1000#. Injection rate 252 gallons per minute. Flushed with 1888 gallons oil. Gage before treatment 700 MCF. Gage 12 hours after treatment 1500 MCF. Packer failed to hold.

7-3-54 Total Depth 5945', interval treated 5747-5945'.

Set Baker retainer at 5747' and treated Point Lookout formation with 9300 gallons #2 diesel oil and 6300# sand. Breakdown pressure 100#. (By-passed retainer). Injection rate 253 gallons per minute. Flushed with 1875 gallons oil. Gage before treatment 1500 MCF. Gage after treatment 1500 MCF. Packer failed to hold.

7-5-54, Total Depth 5945', interval treated 5790-5945'.

Set Baker retainer at 5790' and treated Point Lookout formation with 10,000 gallons #2 diesel oil and 7300# sand. Breakdown pressure 700#, maximum pressure 1100#. Injection rate 9.4 barrels per minute. Flushed with 1890 gallons oil. Gage before sand-oil, 82 MCF (P.L. only). Gage 25 hours after treatment 1190 MCF. The packer failed as in the previous treatment and the hole was cleaned out and tubing was run.

DISTRIBUTION	
No. Copies Received	
Operator	
State Fe	
Provision Office	
State Land Office	
U. S. G. S.	
Transporter	
File	



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 QUINTUPPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

El Paso Natural Gas Company

San Juan 32-9 Unit

(Company or Operator)

(Lease)

Well No. 24, in NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 5, T. 31N, R. 9E, NMPM.
Blanco Pool, San Juan County.

Well is 900 feet from North line and 990 feet from East line
of Section 5. If State Land the Oil and Gas Lease No. is Fee

Drilling Commenced June 2, 1954 Drilling was Completed July 2, 1954

Name of Drilling Contractor Company tools

Address

Elevation above sea level at Top of Tubing Head 6694' OR The information given is to be kept confidential until
19

OIL SANDS OR ZONES

No. 1, from 3550 to 3611 (G) No. 4, from 5752 to 5945 (G)
No. 2, from 5400 to 5493 (G) No. 5, from to
No. 3, from 5493 to 5752 (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
9 5/8	25.47	New	173'	Arrow			Surface
7	23	New	2020	Baker			Prod. Csg.
7	20	New	3369				Prod. Csg.
2	4.7	New	5844				Prod. Tbg.

MUDDING AND CEMENTING RECORD

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	102	125	Circulated		
8 3/4	7	5400	50	single Stage		

RECORD OF PRODUCTION AND STIMULATION

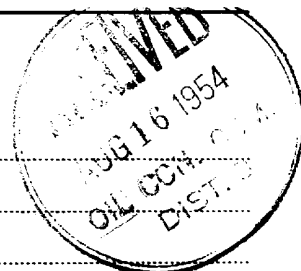
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See Attached sheet for Sand-cils.

Increased Production

Result of Production Stimulation

Depth Cleaned Out 5945



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 5400 feet, and from 5400 feet to 5445 feet.
Cable tools were used from 0 feet to 5400 feet, and from 5400 feet to 5445 feet.

PRODUCTION

Put to Producing July 2, 1954

OIL WELL: The production during the first 24 hours was 0 barrels of liquid of which 0% was oil; 0% was emulsion; 0% water; and 0% was sediment. A.P.I. Gravity 0.

GAS WELL: The production during the first 24 hours was 1,400 M.C.F. plus 0 barrels of liquid Hydrocarbon. Shut in Pressure 0 lbs.
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. Salt.			T. Silurian		
B. Salt.			T. Montoya		
T. Yates			T. Simpson		
T. 7 Rivers			T. McKee		
T. Queen			T. Ellenburger		
T. Grayburg			T. Gr. Wash.		
T. San Andres			T. Granite		
T. Glorieta			T.		
T. Drinkard			T.		
T. Tubbs			T.		
T. Abo			T.		
T. Penn.			T.		
T. Miss.			T.		
			T. Ojo Alamo	2400	
			T. Kirtland	2923	
			T. Fruitland	3204	
			T. Pictured Cliffs	3530	
			T. Menefee	5493	
			T. Point Lookout	5792	
			T. Mancos		
			T. Dakota		
			T. Morrison		
			T. Penn. Lewis	3611	
			T. Cliff House	5445	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	030	030	T n cr-grn ss w/ thin sh breaks.				
030	1470	040	Variegated sh w/ thin ss breaks.				
1470	2005	1335	Tan to gry cr-grn ss interbedded w/ gry sh.				
2005	2923	110	Ojo Alamo ss. white cr-grn s.				
2923	3204	281	Kirtland formation. Gry sh interbedded w/ tight gry fine-grn ss.				
3204	3530	326	Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.				
3530	3611	81	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.				
3611	5400	1769	Lewis formation. Gry to white dense sh w/ silty to shaly ss breaks.				
5400	5493	93	Cliff House ss. Gry, fine-grn, dense sil ss.				
5493	5792	299	Menefee formation. Gry, fine-grn s, carb sh and coal.				
5792	5945	153	Point Lookout formation. Gry, very fine sil ss w/ frequent sh breaks.				
				Formational tops above Cliff House are calculated tops as no log was run.			

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.

Company or Operator El Paso Natural Gas Company
Name ORIGINAL SIGNED E. J. COEL

August 13, 1954
Address Box 997, Farmington, New Mexico
Position or Title Petroleum Engineer

6-28-54 Total Depth 5540', interval treated 5437-5540'.
 Set Baker retainer at 5439' and treated Cliff House formation with 3000 gallons #2 diesel oil and 500# sand. Breakdown pressure 400#, maximum pressure 1000#. Injection rate 356 gallons per minute. Flushed with 1900 gallons oil. Natural gage 340 MCF. Gage 5 hours after treatment 700 MCF. Retainer slipped, will re-treat Cliff House as soon as hole is cleaned out.

6-30-54 Total Depth 5540', interval treated 5400-5540'.
 Set Baker retainer at 5343' and treated Cliff House formation with 7700 gallons #2 diesel oil and 7700# sand. Breakdown pressure 500#. Maximum pressure 1000#. Injection rate 252 gallons per minute. Flushed with 1888 gallons oil. Gage before treatment 700 MCF. Gage 12 hours after treatment 1500 MCF. Packer failed to hold.

7-3-54 Total Depth 5945', interval treated 5747-5945'.
 Set Baker retainer at 5747' and treated Point Lookout formation with 9300 gallons #2 diesel oil and 6300# sand. Breakdown pressure 100#. (By-passed retainer). Injection rate 253 gallons per minute. Flushed with 1875 gallons oil. Gage before treatment 1500 MCF. Gage after treatment 1500 MCF. Packer failed to hold.

7-5-54, Total Depth 5945', interval treated 5790-5945'.
 Set Baker retainer at 5790' and treated Point Lookout formation with 10,000 gallons #2 diesel oil and 7300# sand. Breakdown pressure 700#, maximum pressure 1100#. Injection rate 9.4 barrels per minute. Flushed with 1890 gallons oil. Gage before sand-oil, 82 MCF (P.L. only). Gage 25 hours after treatment 1190 MCF. The packer failed as in the previous treatment and the hole was cleaned out and tubing was run.

ZATC DISTRICT OFFICE	
No. Copies Received	
DISTRIBUTION	
NO.	FURNISHED
	Director
	State Fe
	Proclamation Office
	State Land Office
	U. S. C. S.
	Transporter
	File



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

