

CONFIDENTIAL

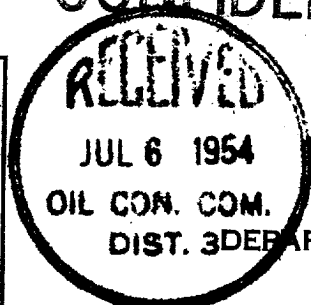
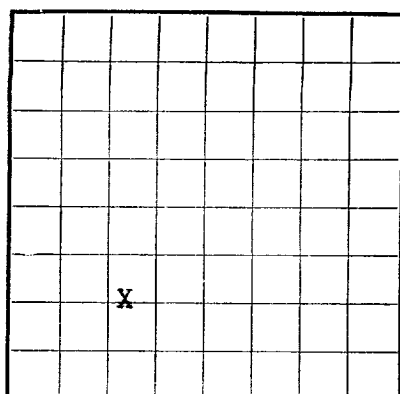
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Santa Fe

U. S. LAND OFFICE 078386-A

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Sunray Field Blanco State New Mexico
Well No. 1-G Sec. 21 T. 31N R. 9W Meridian NMPM County San Juan
Location 990 ft. N of Line and 1650 ft. W of Line of Section 21 Elevation 6197'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date June 18, 1954 Signed [Signature] Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling February 17, 1954 Finished drilling April 19, 1954

OIL OR GAS SANDS OR ZONES

No. 1, from 3038 to 3128 (G) No. 4, from 5260 to 5380 (G)
No. 2, from 4800 to 4903 (G) No. 5, from 4903 to 5260 (G)
No. 3, from 4903 to 5260 (G) No. 6, from 5260 to 5380 (G)

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
9 5/8	25.4	8 W.	Armco	160	Armco			Surface
7	23	8 RD	Spang	1994	Baker			Prod. Casing
2	4.7	8 RD	Young	5349				Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	172'	125	Circulated		
7	4751'	500	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	Sand-Oil	See Well History				

TOOLS USED

Rotary tools were used from 0 feet to 4751 feet, and from 4751 feet to 5413 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

April 21, 1954 Put to producing , 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 5,548,000 Gallons gasoline per 1,000 cu. ft. of gas

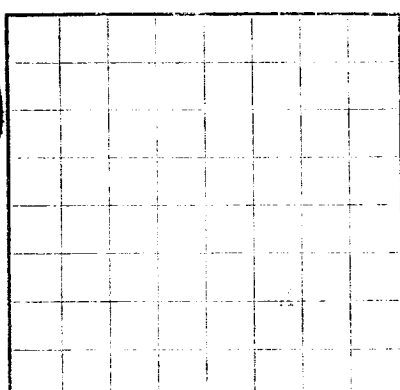
Rock pressure, lbs. per sq. in. 1043

EMPLOYEES

 , Driller , Driller
 , Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	875	875	Tan cr-grn ss w/thin sh breaks.
875	1588	713	Variegated sh w/thin ss breaks.
1588	2303	715	Tan to gry cr-grn ss interbedded w/gry sh.
2303	2360	57	Ojo Alamo ss. White cr-grn s.
2360	2640	280	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.
2690	3038	398	Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3038	3128	90	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
3128	4800	1672	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4800	4903	103	Cliff House ss. Gry, fine-grn, dense sil ss.
4903	5260	357	Mencfee formation. Gry, fine-grn s, carb sh and coal.
5260	5380	120	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.
			Mancos formation. Gry carb sh.



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Company _____
Lessor or Trust _____
Well No. _____
Location _____
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Signed _____
Date _____
Title _____

4-11-34 Total depth 4971', interval treated 4753' - 4897', Set Baker Retainer at 4710' and treated cliff house formation (whipstock hole) with 12,600 gallons #2 diesel oil and 7500# sand. Breakdown pressure 4300#, maximum pressure 3800#. Injection rate 240 gallons per minute. Flushed with 2,265 gallons oil. Natural gas 310 MCF.
4-15-34 Total depth 5413', interval treated 5173' - 5413'. Set Baker Retainer at 5172' and treated Point Lookout formation (whipstock hole) with 13,000 gallons #2 diesel oil and 9500# sand. Breakdown pressure 4400#, maximum pressure 2000#. Injection rate 244 gallons per minute. Flushed with 2,265 gallons oil. Gage before treatment (B.P.) 2,670 MCF.
4-19-34 Total depth 5380', interval treated 5168' - 5380'. Set Baker Retainer at 5168' and treated Point Lookout formation (whipstock hole) with 16,170 gallons #2 diesel oil and 15,000# sand. Breakdown pressure 1100#, maximum pressure 3800#. Injection rate 5.7 barrels per minute. No flush, formation plugged. Estimated rate of Point Lookout per acre to be 400 MCF. at above date.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and the results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD			
Time	Material	Amount	Remarks

PLUGS AND ADAPTERS	
Plugs	Adapters

SHOOTING RECORD				
Size	Shell used	Explosive used	Quantity	Date

TOOLS USED	
Rotary tools were used from	Feet to

DATES	
The production for the first 24 hours was	
If gas well, cu. ft. per 24 hours	
Rock pressure, lbs. per sq. in.	

EMPLOYEES	
Driller	
Driller	

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	Manassas formation. Gty. carb. sh.
10	20	20	W. red. sh. in bed.
20	30	30	R. sh. Lookout formation. Gty. very fine sh. ss.
30	40	40	Alondra formation. Gty. fine-gr. sh. and carb. sh.
40	50	50	Chin. H. sh. Gty. fine-gr. sh. and carb. sh.
50	60	60	to shaly ss. in bed.
60	70	70	Leona formation. Gty. to white, dense sh. with
70	80	80	varicolored soft ss.
80	90	90	Pointed Cliffs formation. Gty. fine-gr. sh. light
90	100	100	carb. and gty. sh. in bed.
100	110	110	Pointed Cliffs formation. Gty. carb. sh. scattered coals
110	120	120	gy. sh. in bed.
120	130	130	Kindred formation. Gty. sh. in bed. light
130	140	140	Oio sh. in bed.
140	150	150	1 to 2 in. carb. sh. in bed. light
150	160	160	1 to 2 in. carb. sh. in bed.
160	170	170	1 to 2 in. carb. sh. in bed.
170	180	180	1 to 2 in. carb. sh. in bed.
180	190	190	1 to 2 in. carb. sh. in bed.
190	200	200	1 to 2 in. carb. sh. in bed.