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LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078204**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997
 Lessor or Tract Sunray Field Blanco State New Mexico
 Well No. 2-D Sec. 21 T30N R. 10W Meridian N.M.P.M. County San Juan
 Location 1650 ft. N of N Line and 990 ft. E of E Line of Sec. 21 Elevation 6312'
 (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. Original Signed F. H. WOOD
Signed _____

Date January 31, 1958 Title Petroleum Engineer

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

Commenced drilling 11-30, 19 57 Finished drilling 12-12, 19 57

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from	<u>2910</u>	to	<u>3038 (G)</u>	No. 4, from	<u>5152</u>	to	<u>5278 (G)</u>
No. 2, from	<u>4487</u>	to	<u>4688 (G)</u>	No. 5, from		to	
No. 3, from	<u>4688</u>	to	<u>5152 (G)</u>	No. 6, from		to	

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
							From—	To—	
10 3/4	32.75	P. E.	S.W.	162'	Howco				Surface
7 5/8	26.4	8 Rd.	J-55	3000	Howco				Prod. Csg.
5 1/2	15.5	8 Rd.	J-55	2538	Howco				Prod. Liner
2"	4.7	8 Rd.	J-55	5209					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	150	Circulated		
7 5/8"	3102'	250	Single Stage		
5 1/2"	3067-5385	300	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
			See Well History			

TOOLS USED

Gas Drilled

Rotary tools were used from 175 feet to 3104 feet, and from 3104 feet to 5386 feet.

Cable tools were used from 0 feet to 175 feet, and from feet to feet.

DATES

-----**12-29**-----, 19**57**----- 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 **3,390,000** ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. **1036 (SIPT)** **A.O.F. = 5105 MCF/D**

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1554	1554	Tan to gry cr-grn ss interbedded w/gry sh.
1554	1685	131	Ojo Alamo ss. White cr-grn s.
1685	2532	847	Kirtland form. Gry sh interbedded w/tight gry fi
2532	2910	378	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2910	3038	128	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3038	4487	1449	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4487	4688	201	Cliff House ss. Gry, fine-grn, dense sil ss.
4688	5152	464	Manefee form. Gry, fine-grn s, carb sh & coal.
5152	5278	126	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5278	5386	108	Mancos formation. Gry carb sh.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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12-5-57 C.D.I.D. 5300. Fert. w/200/lb. Int. 5804-80, 5224-44; 5256-89.
Water frc. Lower Point Lookout w/67,000 gal. water, 60,000# sand, 11
v/10,000 gal. water. I. R. 69.0 B.M. HD none; tr. pr. 1500, 2000 &
2400. Max. pr. 2600#. 4 stages. Dropped 3 sets of 20 balls.
HF @ 5180' Fert. w/200/lb. Int. 5046-62; 5086-5106; 5118-30;
5160-68. Water frc. Upper Point Lookout w/65,800 gal. water,
60,000# sand. Plumb w/10,000 gal. water. I. R. 69.0 B.M. HD none;
tr. pr. 1800; 1900; 2100; 2200; & 2600#. Max. pr. 2750#. 6 stages.
Dropped 5 sets of 18 balls.

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 its 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, size, position, and number of shots. If plings or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing, or shots.

HISTORY OF OIL OR GAS WELL

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