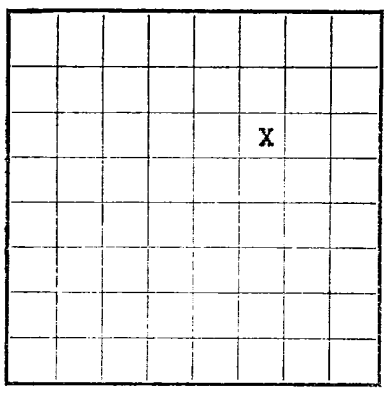
Form 9-330

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



LOCATE WELL CORRECTLY

RECEIVED
JUN 18 1956
OIL CON. COM.
DIST. 3

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03380
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, Farmington, New Mexico
Lessor or Tract Florance Field Blanco M.V. Ext. State New Mexico
Well No. 4-D Sec. 20 T. 27N R. 8W Meridian NMPM County San Juan
Location 1840 ft. [N.] of N Line and 1800 ft. [W.] of E Line of Section 20 Elevation 6740' (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.

Signed E. S. Oberly

Date April 6, 1956 Title Petroleum Engineer

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

Commenced drilling December 30, 19 55 Finished drilling January 14, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2795 to 2854 (G) No. 4, from 5087 to 5220 (G)
No. 2, from 4438 to 4510 (G) No. 5, from to
No. 3, from 4510 to 5087 (G) 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 From—	Perforated To—	Purpose
9 5/8"	25.4#	R.E.	S.W.	161'	Howco				Surface
7"	20#	8 RD	J-55	2865'	Baker				Intermediate
5 1/2"	15.50#	8 RD	J-55	5232'	Baker				Prod. Tag.
2"	4.7#	8 RD	J-55	5159'					Prod. Tag.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	174'	125	Circulated		
7"	2865'	300	Single Stage		
5 1/2"	5242'	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

Rotary tools were used from 0 feet to 2865 feet, and from 2865 feet to 5250 feet (Gas Drilled)
Cable tools were used from feet to feet, and from feet to feet

DATES

February 20, 19 56 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 1,984,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1032

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	225	225	Tan cr-grn ss w/thin sh breaks.
225	330	105	Variegated sh w/thin ss breaks.
330	1485	1155	Tan to gry cr-grn ss interbedded w/gry sh.
1785	2060	275	Ojo Alamo ss. White cr-grn s.
2060	2632	572	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2632	2795	163	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2795	2854	59	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2854	4438	1584	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4438	4510	72	Cliff House ss. Gry, fine-grn, dense sil ss.
4510	5087	577	Menefee form. Gry, fine-grn, s, carb sh & coal.
5087	5220	133	Point Lookout form. Gry, very fine sil ss w/sfrequent sh breaks.
5220	5250 T.D.	30	Mancos formation. Gry carb sh.

[OVER]

16—42094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

1-22-55, Cleanout depth 5210'. T.D. 5250'. Perf. interval in Point Lookout 5108-5140, 5186-5196 with 4 Jet shots/ft. Water fractured same interval with 64,550 gallons water and 45,000# sand. BDP 1500 psi, maximum treating pressure 2300 psi, average treating pressure 2200 psi. Average Injection rate 40 bbls./min. Flushed with 5200 gallons water.

1-23-55. T.D. 5250'. Temp. bridge plug at 5000'. Perf. intervals in Lower Mendee 4824-4854 and 4940-4960 with 4 Jet shots/ft. Water fractured same interval with 63,700 gallons water and 60,000# sand. BDP 1700#, maximum treating pressure 2400#, average treating pressure 2250#. Average Injection rate 35 bbls./min. Flushed with 5000 gallons water.

1-23-55. T.D. 5250'. Temp. Bridge Plug at 4670'. Perf. intervals in Upper Cliff House 4462-4476, 4492-4499, 4538-4548, 4564-4578 and 4612-4626 with 4 Jet shots/ft. Water fractured same intervals with 64,000 gallons water and 60,000# sand. BDP 2000#, Maximum treating pressure 2400#, average treating pressure 2250#, Average Injection rate 35.4 bbls./min. Flush 4700 gallons water.

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