Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079363
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

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 San Juan 28-6 Unit Field Blanco & Wildcat State New Mexico
Well No. 80 (PM) Sec. 11 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. {N./S.} of N Line and 1650 ft. {E./W.} of E Line of Sec. 11 Elevation 6673
(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 Original Signed D. C. Johnston

Date December 4, 1957 Title Petroleum Engineer

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

Commenced drilling 10-22, 1957 Finished drilling 11-2, 1957

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

No. 1, from 3468 to 3490 (G) No. 4, from 5595 to 5732 (G)
No. 2, from 5078 to 5197 (G) No. 5, from
No. 3, from 5197 to 5595 (G) No. 6, from

IMPORTANT WATER SANDS

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

DEC 17 1957 OIL CON. COM.

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10-3/4	32.75	8 R.	S. W.	151'	Howco				Surface
7-5/8	26.4	8 Rd.	J-55	3577	Baker				Prod. Csg.
5-1/2	15.5	8 Rd.	J-55	2275	Baker				Prod. Liner
2	4.7	8 Rd.	J-55	5651'					Prod. Tubing
1-1/4	2.4	8 Rd.	Grade A	3508'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	173'	150	Circulated		
7-5/8	3587'	250	Single Stage		
5-1/2	3533-5800	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Baker "EGJ" Packer @ 3669'

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 3588 feet, and from 3588 feet to 5812 feet (Gas Drilled)
Cable tools were used from feet to feet, and from feet to feet

DATES

11-9, 1957 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 PC-1,352,000 MV-3,383,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1106 (SIPC) A.O.F. = P. C. 1308 M. V. 4344 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2782	2782	Tan to gry cr-grn ss interbedded w/gry sh.
2782	2890	108	Ojo Alamo ss. White cr-grn s.
2890	3181	291	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3181	3468	287	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3468	3490	22	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3490	5078	1588	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5078	5197	119	Cliff House ss. Gry, fine-grn, dense sil ss.
5197	5595	398	Menefee form. Gry, fine-grn s, carb sh & coal.
5595	5732	137	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5732	5812	80	Mancos formation. Gry carb sh.

[OVER] 16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

11-4-57 T.D. 5750'.
Perforated Point Lookout at 5596-5612, 5632-42, 5662-66, 5686-5702, 5724-32, w/2 dj/ft. Treated w/55,024 gal. water, 60,000# sand, flushed w/10,000 gal water. IR 54.5 BPM. Max. pr. 3000 psi, BD pr. 1000 psi, tr. pr. 1000, 1100, 1400, 1700, 2700 psi. 5 stages w/4 drops of 2l balls each. Set Baker BP @ 5200'. Perforated Cliff House & 5078-[illegible] 5096-5108 w/2DJ/ft. Treated w/31,760 gal. water, 40,000# sand. Flushed w/10,450 gals. water. IR 61.7 BPM. Max. pr. 1200 psi, BD pr. 1400 psi, tr. pr. 1450 psi. Set Baker BP @ 3000'. Perforated Pictured Cliff at [illegible]-90 w/2DJ/ft. Treated w/22,260 gal. water, 40,000# sand. [illegible] 1850 gal. water. IR 44 BPM. Max. pr. 3000 psi, BD pr. 900 psi, tr. pr. 1600, 1600, 1750 psi. Dropped 3 sets of 12 balls each for 4 stages. Pulled off during flush.

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