Form 9-330

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

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 05493
LEASE OR PERMIT TO PROSPECT
14-08-001-1051

X

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 State New Mexico
Well No. 55 Sec. 9 T. 28N R. 6W Meridian NMPM County Rio Arriba
Location 850 ft. [N.] of S Line and 850 ft. [E.] of W Line of Sec. 9 Elevation 6792'
(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 W. F. Cook

Date September 6, 1956 Title Petroleum Engineer

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

Commenced drilling 7-22-56, 19 Finished drilling 8-8-56, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3666 to 3753 (G) No. 4, from 5810 to 5942 (G)
No. 2, from 5406 to 5510 (G) No. 5, from to
No. 3, from 5510 to 5810 (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
10 3/4"	32.75	P.E.	S.W.	161'	Howco				Surface
7 5/8"	26.4	8 RD	J-55	3756'	Baker				Intermediate
5 1/2"	15.5	8 RD	J-55	5989'	Baker				Prod.Csg.
2"	4.7	8 RD	J-55	5919'					Prod.Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	135	Circulated		
7 5/8"	3758'	250	Single Stage		
5 1/2"	5999'	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 0 feet to 3760 feet, and from 3760 feet to 5999 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

8-15-56, 19 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 6,131,000 A.O.F. 29,245 MCF/D. Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1045

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2796	2796	Tan to gry cr-grn ss interbedded w/gry sh.
2796	2960	164	Ojo Alamo ss. White cr-grn s.
2960	3310	350	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3310	3666	356	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3666	3753	87	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3753	5406	1653	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5406	5510	104	Cliff House ss. Gry, fine-grn, dense sil ss.
5510	5810	300	Menefee form. Gry, fine-grn s, carb sh & coal.
5810	5942	132	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5942	5999	57	Mancos formation. Gry carb sh.

[OVER]

16—43094-4

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.

8-12-56 T.D. 5999', C.O. to 5970'.
Water fractured Point Lookout (thru perf.) 5812-5826, 5842-5854, 5907-5915, 5934-5942 w/58,800 gal. water & 60,000# sand. BDP 1650#, maximum pressure 1800#, average treating pressure 1800#. Inj. rate 58.3 BPM. Flush 5430 gallons.

8-12-56 Set Temp. B.P. @ 5525'.
Water fraced Cliff House (thru perf.) 5414-5422, 5440-5456, 5478-5488 w/59,000 gals. water & 60,000# sand. BDP 2000#, maximum pressure 2000#, Averagetreating pressure 1650#. Injection rate 58.3 BPM. Flush 5500 gallons.