Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078570
LEASE OR PERMIT TO PROSPECT
14-08-001-459

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

X

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field So. Blanco P.C. State New Mexico
Well No. 95 (PM) Sec. 4 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. {N/S} of S Line and 890 ft. {E/W} of W Line of Section 4 Elevation 6794'
(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 J.J. TALLERSON

Date March 12, 1959 Title Petroleum Engineer

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

Commenced drilling 1-18-, 1959 Finished drilling 1-29-, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3328 to 3399 (G) No. 4, from 5551 to 5705 (G)
No. 2, from 5035 to 5080 (G) No. 5, from to
No. 3, from 5080 to 5551 (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"	26.40	8 Rd.	J-55	3539'	Baker				Prod. Casing
5 1/2"	15.50	8 Rd.	J-55	2[illegible]'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5747'					Prod. tbg.
1 1/4"	2.4	8 Rd.	Grade "A"	3404'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	175	Circulated		
7 5/8"	3546'	100	Single Stage		
5 1/2"	3466-5790'	500	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Baker "EG" Packer at 3557'

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 3549 feet, and from 3549 feet to 5794 feet — Gas Drilled
Cable tools were used from feet to feet, and from feet to feet

DATES

Feb. 7, 1959 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 P.C. 1,554,000 M.V. 1,581,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. P.C. 1005 M.V. 900 A.O.F.— P.C. 1577 M.V. 1676 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2494	2494	Tan to gry cr-grn ss interbedded w/gry sh.
2494	2580	86	Ojo Alamo ss. White cr-grn s.
2580	3040	460	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3040	3328	288	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3328	3399	71	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3399	5035	1636	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5035	5080	45	Cliff House ss. Gry, fine-grn, dense sil ss.
5080	5551	471	Menefee form. Gry, fine-grn s, carb sh & coal.
5551	5705	154	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5705	5794	89	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.

2-1-59 T.D. 5794'. COTD 5771'. Water frac Point Lookout perf. int. 5452-64; 5562-72; 5584-94; 5610-5626; 5646-66; 5678-5690; 5722-32; 5740-50 w/2 DJ/ft w/50,000 gallons water & 50,000# sand. No BDP, M.P. 3000 psi, A.T.P. 1000-1050-1200-1600-3000 psi. I.R. 54.4 BPM. Flush 9000 gallons. Dropped 4 sets of 25 balls each.

2-1-59 Set B.P. @ 3550'. Water frac Pictured Cliffs perf. int. 3328-3352; 3384-3400 w/2 DJ/ft w/41,500 gallons water & 40,000# sand. BDP 1700 psi, M.P. 1700 psi, AVT 1000 psi & 1650 psi. I.R. 65.4 BPM. Flush 7000 gallons. Dropped 1 set of 25 balls.