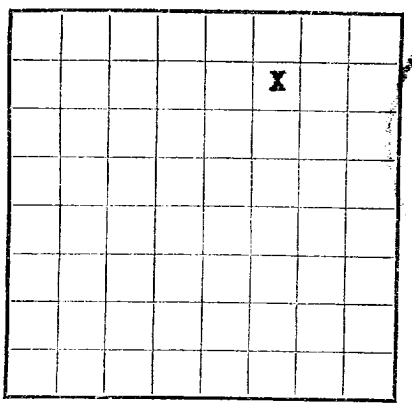
Form 9-330

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

U. S. Land Office Santa Fe
Serial Number 079049-A
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

RECEIVED
OCT 10 1960

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract San Juan 28-6 Unit Field Blanco Mesa Verde So. Blanco P.C. Ext. State New Mexico
Well No. 97 (PM) Sec. 35 T. 28 N R. 6 W Meridian N.M.P.M. County Rio Arriba
Location 810 ft. [XXX S.] of N Line and 1700 ft. [Xx W.] of E Line of Sec. 35 Elevation 6626
(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 [illegible]

Date September 30, 1960 Title Petroleum Engineer

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

Commenced drilling 6-23-60, 19 Finished drilling 7-3-60, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3380 to 3474 (G) No. 4, from 5566 to 5725 (G)
No. 2, from 5152 to 5217 (G) No. 5, from to
No. 3, from 5217 to 5566 (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	8 Rd.	S.M.	161	Mexco				surface
7 5/8"	26	8 Rd.	J-55	3577	Baker				prod. casing
5 1/2"	15.5	8 Rd.	J-55	5762	Baker				prod liner
2"	4.7	8 Rd.	J-55	5654					prod tubing
1 1/4"	2.4	10 Rd.	J-55	3413					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"	173	170	circulated		
7 5/8"	3587	150	single stage		
5 1/2"	3524-5766	320	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Guiberson "Shorty" packer at 3604'

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 Gas Drilled 5770 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

7-10-, 1960 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-4,941,000 M-4,723,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. P-1116 M-1062

EMPLOYEES

A.O.F. P-5626 M-8799 MCF/D

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2598	2598	Tan to gry cr-grn ss interbedded w/gry sh.
2598	2793	195	Ojo Alamo ss. White cr-grn s.
2793	3113	320	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3113	3380	267	Fruitland form Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3380	3474	94	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3474	5152	1678	Lewis form. Gry, fine-grn, dense sil ss.
5152	5217	65	Cliff House fm. Gry, fine-grn, dense sil ss.
5217	5566	349	Menefee form. Gry, fine-grn s, carb sh & coal.
5566	5725	159	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5725	5770	45	Mancos formation. Gry carb sh.

[illegible]

[OVER]

16—43094-4

FOLD MARK

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.

7-6-60 T.D. 5766 C.O.T.D. 5723. Perf Point Lookout w/2 DJF @ 5570-88;5598-5610; 5628-38;5650-60;5686-5702. Treated w/52,000 gal water, 55,000 # 20-40 sand. Flush w/10,985 gal water. I.R. 76.6 B.P.M. Max. pr. 1900, B.D. 1900, avg. tr. 1600. Dropped 4 sets of 20 balls. Set B.P. @ 5300, perf Cliff House w/2 DJF @ 5150-58;5174-88;5194-5206. Treated w/40,000 gal water, 35,000 # 40-60 sand. Flush with 13,000 gal water, I.R. 68 B.P.M. max. pr. 2000. B.D. 3000, avg. tr. pr. 1800 #. Dropped 2 sets of 10 balls and 1 set of 15. Spotted 200 gal MCA on perfs to B.D.

7-7-60 set B.P. @ 3810', perf Pictured Cliffs w/2 DJF @3382-90;3394-3404; 3410-18 treated w/30,700 gal water, 35,000 # 10-20 sand. Flush w/6062 gal water. I.R. 57.1 B.P.M max. pr. 1850, B.D. 3000, tr. pr. 1000-1400-1500-1850. Dropped one set of 16, one set of 10, one set of 5.