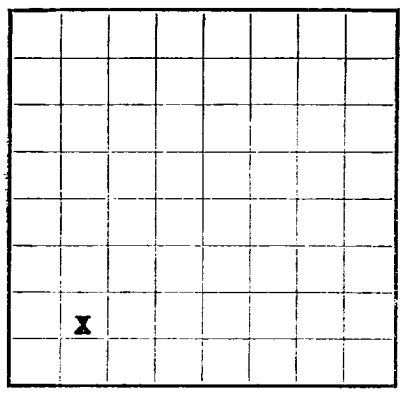
Form 9-330

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

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 012200
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 Co. Address Box 997, Farmington, New Mexico

Lessor or Tract Dryden Field Wildcat & Blanco State New Mexico

Well No. 3(PM) Sec. 21 T. 28N R. 8W Meridian N.M.P.M. County San Juan

Location 990 ft. [N.] of S Line and 990 ft. [E.] of W Line of Section 21 Elevation 5789'
(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 June 27, 1957 Title Petroleum Engineer

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

Commenced drilling 4-11, 19 57 Finished drilling 4-20, 19 57

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2192 to 2291 (G) No. 4, from 4421 to 4598 (G)

No. 2, from 3817 to 3900 (G) No. 5, from

No. 3, from 3900 to 4421 (G) No. 6, from

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to

No. 2, from to No. 4, from

RECEIVED
OIL CON.
DIST.

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.	163'	Howco				surface
7-5/8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				stpkng.
5-1/2	[illegible]	[illegible]	[illegible]	[illegible]	Baker				Prod.tbg.
2"	4.7	8 Rd.	J-55	4542'					Prod.tbg.
1-1/4"	2.3	8 Rd.	Grade B	[illegible]					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	175'	150	circulated		
7-5/8	2399'	250	single stage		
5-1/2	2348-4633	550	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size Baker Model EBJ pkr at 2453'

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 2400 feet, and from 2400 feet to 4635 feet (Gas Drilled)

Cable tools were used from feet to feet, and from feet to feet

DATES

5-4, 19 57 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. 1,097,000 M.V. 4,819,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1076 A.O.F. = P.C. 1108 MCF/D and M.V. 7833 MCF/D

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1150	1150	Tan to gry cr-grn ss interbedded w/gry sh.
1150	1315	165	Ojo Alamo ss. White cr-grn s.
1315	1880	565	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1880	2192	312	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2192	2291	99	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2291	3817	1526	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3817	3900	83	Cliff House ss. Gry, fine-grn dense sil ss.
3900	4421	521	Menefee form. Gry, fine-grn s, carb sh & coal.
4421	4598	177	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4598	4635	37	Mancos formation. Gry carb sh.

FOLD MARK

16—43094-8

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

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

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.

4-26-57. Perf. P.L. at 4420-4440; 4450-4476; 4490-4512; 4568-4582; 4590-4600 w/2 Dyna-Jets/ft. Water fraced w/73000 gal. water, 60,000# sand. Max. pr. 1275 psi, avg. tr. pr. 1275 psi. I.R. 90 BPM. Flush 7000 gal.

4-26-57. B.P. set at 3950'. Perf C.H. at 3818-3838; 3872-3880; 3889-3903 w/4 Perfo-Jets/ft. Water fraced w/67,000 gal. water, 60,000# sand. Max. pr. 2000 psi, avg. tr. pr. 1675 psi, 1675psi, 1800 psi, I.R. 37.3 BPM. Flush 6800 gal. Dropped two groups of 55 Perfo-Balls each.

4-26-57. B.P. at 3800'. Perf. at 2192-2206; 2212-2234; w/2 Dyna-Jets/ft. Water fraced w/49,500 gal. water, 40,000# sand. Max. pr. 1050 psi, avg. tr. pr. 750 psi, I.R. 93.4 BPM. Flush 4500 gal.

DIST. OIL CON. COM. OCT 1957