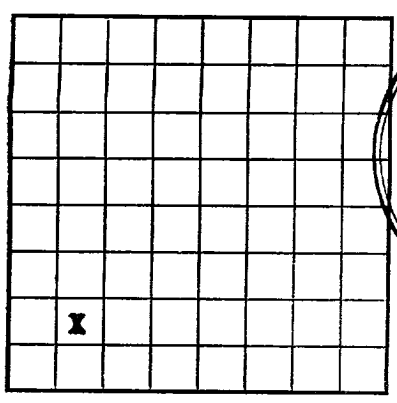
Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079001-A
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 Howell Field Wildcat State New Mexico

Well No. 2-B Sec. 3 T. 30N R. 7W Meridian N. M. P. M. County Rio Arriba

Location 990 ft. {N.} of S Line and 990 ft. {E.} of W Line of Section 3 Elevation 6328
(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 E. J. COEL

Date April 3, 1952 Title Petroleum Engineer

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

Commenced drilling November 23, 19 51 Finished drilling January 19, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3205 to 3270 (G) No. 4, from 5597 to 5700 (G)

No. 2, from 4969 to 5150 (G) No. 5, from ____ to ____

No. 3, from 5150 to 5597 (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
12-3/4"	45.5	8		276	BOWCO				Surface
9-5/8"	36	8		3212	BOWCO				Intermediate
7"	20	8		4969	BOWCO				Production
2"	4.7			5660					Production Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12-3/4"	286	295	Single		
9-5/8"	3225	68	Single		
7"	4920	300	Single		

REMARK

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
Qts.	Reg.	S.N.G.	1640	1-21	5070-5700	5700

TOOLS USED

Rotary tools were used from 0 feet to 5700 feet, and from ____ feet to ____ feet

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

DATES

March 29, 19 52 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 3,000,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1120 psig

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	460	460	Tan coarse-grn. ss. w/thin shale breaks.
460	1220	760	Varieg. shales w/thin ss. breaks.
1220	2190	970	Tan to gray coarse-grn. ss. interbedded w/gry sh.
2190	2300	110	Ojo Alamo ss. White coarse-grn. sand. T/Ojo Alamo 2190.
2300	2900	600	Kirtland Fm. Gry sh. interbedded w/tight gry fine-grn. ss. T/Kirtland 2300.
2900	3205	305	Fruitland Fm. Gry. carb. shales, scattered coals, & gry. tight, fine-grn. ss. T/Fruitland 2900.
3205	3270	65	Pictured Cliffs Fm. Gry., fine-grn. tight, varicolored soft ss. T/Pictured Cliffs 3205.
3270	4969	1699	Lewis Fm. Gry to wh. dense shale w/silty to shaly ss. breaks. T/Lewis 3270.
4969	5150	181	Cliff House Fm. Gray, fine-grn. dense sil. ss. T/Cliff House 4969.
5150	5597	447	Menefee Fm. Gry, fine-grn. sands, carb. shales & coal. T/Menefee 5150.
5597	5700 T.D.	102	Point Lookout Fm. Gry, very fine sil. ss. w/frequent shale breaks. T/Point Lookout 5597.

FOLD

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-1 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.