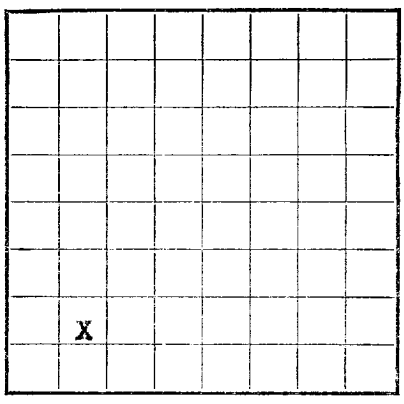
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078621
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 Brookhaven Field Wildcat State New Mexico
Well No. 1-A Sec. 29 T. 25N R. 10W Meridian N.M.P.M. County San Juan
Location 800 ft. {N. / S. XX} of S Line and 800 ft. {E. / W. XX} of W Line of Section 29 Elevation 6740 (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 3-28-57, 19 Finished drilling 4-10, 1957

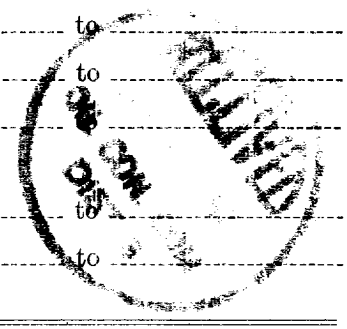
OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5215 to 5585 (Oil) No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to 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
5-1/2"	15.5	8 Rd.	J-55	5560'	Baker				Prod.csg.
2-3/8"	4.7	8 Rd.	J-55	5228'					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"	173'	150	circulated		
5-1/2"	5600'	300	single stage		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Baker Model EGJ pkr. at 5172'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			Completed Natural			

TOOLS USED

Rotary tools were used from 0 feet to 5600 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

4-25, 19 57 Put to producing , 19

The production for the first 24 hours was 404 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 204,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	700	700	Tan to gry cr-grn ss interbedded w/gry sh.
700	845	145	Ojo Alamo ss. White cr-grn s.
845	1320	475	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1320	1582	262	Fruitland form. Gry carb sh , scattered coals, coals and gry, tight, fine-grn ss.
1582	1745	163	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
XXXX	XXXX		
1745	1980	235	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
1980	2323	343	Chacra form. Gry fn grn silty, glauconitic sd stone with drk gry shale.
2323	4035	1712	La Ventana form. Wt to lt buff to med grn sl carb bent sd.
4035	4220	185	Point Lookout form. gry, very fine sil ss w/frequent sh breaks.
4220	5045	825	Mancos formation. Gry carb sh.
5045	5215	170	Skelly Zone (Gallup) form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
5215	5585	370	Marye Zone (Gallup) form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
5585	5600	15	Sanastee form. Drk gry calc v/fn to fn gry ss w/calc veins w/irreg inter drk gry s.

(OVER)

16—43097-3

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.

CORES

Date	Section	Recovery
4-8-57	5196-5254	58' core
4-9-57	5256-5314	60' core
4-9-57	5316-5355	39' core

Drill Stem Tests

4-7-57	5040-5196	80' v/51./g-c-m