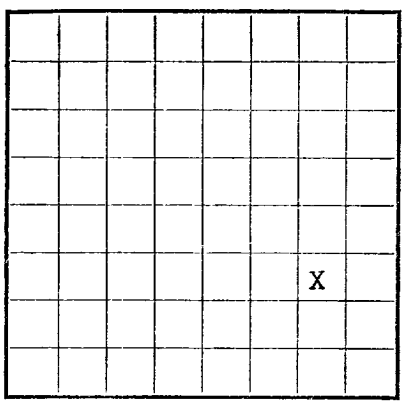
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Jicarilla-Apache
SERIAL NUMBER Cont. No. 66
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 990, Farmington, New Mexico
Lessor or Tract Jicarilla Field So.Blanco P.C. State New Mexico
Well No. 15-B Sec. 33 T. 25N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. {N.} of S Line and 1075 ft. {W.} of E Line of Section 33 Elevation 6946'
(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 By: D.H. Oheim

Date September 13, 1960 Title Petroleum Engineer

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

Commenced drilling 7-3, 19 60 Finished drilling 7-17, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3147 to 3200 (G) 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
9 5/8	36	8 RD	J-55	129	Howco				Surface
2 7/8	6.4	8 Rd.	J-55	3249	Baker				Prod.Casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	140'	120	Circulated		
2 7/8"	3259'	80	Single Stg.		

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
		See Well History				

TOOLS USED

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

DATES

7-17, 19 60 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 650,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 950 A.O.F. = 653 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2612	2612	Tan to gry cr-grn ss interbedded w/gry sh.
2612	2735	123	Ojo Alamo ss. White cr-grn s.
2735	2865	130	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2865	3147	282	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3147	3200	53	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3200	3264	64	Lewis form. Gry, fine-grn, dense sil ss.

[OVER]

16—45094-4

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.

3132-3136; 3146-3154; 3174-3184 Frac Pictured Cliffs w/37,680 gallons water and 30,000# sand. BDP 3400#, max. pr. 3600#, Avg. tr. pr. 3000-3100-3200-3400#. I.R. 21.1 BPM. Flash 1680 gallons. Frac water contained 1% calcium chloride, 5# J-98/1000 gal. Dropped 3 sets of 10 balls each for 4 stages.