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

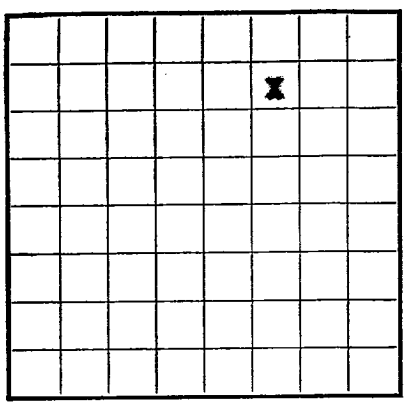
Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078874
LEASE OR PERMIT TO PROSPECT

RECEIVED
MAY 25 1959
OIL CON. COM.
DIST. 3

RECEIVED
MAY 22 1959
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Canyon Largo Unit Field Largo Canyon P.C State New Mexico
Well No. 64 Sec. 4 T. 24N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1190 ft. {N. / S.} of N Line and 1500 ft. {E. / W.} of E Line of Section 4 Elevation 6450' (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 C. D. COX

Date May 20, 1959 Title Petroleum Engineer

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

Commenced drilling March 26, 19 59 Finished drilling April 8, 19 59

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2150 to 2225 (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
8 5/8"	24	8 Rd.	J-55	124'	Howco				Surface
5 1/2"	15.5	8 Rd.	J-55	2269'	Baker				Production casing
1 1/4"	2.4	8 Rd.	Grade A	2210'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	134'	83	Circulated		
5 1/2"	2279'	85	Single Stage		

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 135 feet to 2280 feet, and from feet to feet
Cable tools were used from 0 feet to 135 feet, and from feet to feet

DATES

May 4, 19 59 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 807,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 640 A.O.F.--814 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1505	1505	Tan to gry cr-grn ss interbedded w/gry sh.
1505	1598	93	Ojo Alamo ss. White cr-grn s.
1598	1958	360	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1958	2150	192	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2150	2225	75	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2225	2280	55	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

FOLD | MARK

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.

4-30-59 Total Depth 2280'. C.O.T.D. 2280'.
Perforated Pictured Cliffs intervals 2150-2160; 2166-2176; 2182-2192; 2216-2230 (2 SPF). Fractured with 35,000 gallons water & 35,000# sand. Flushed w/2500 gallons water. I.R. 50.4 B.P.M. Max. pressure 2800#, ATP 1400#, T.P. 2000-2100-2700#. Accomplished intake of 20 balls each for 3 stages. 200 gallons HCl ahead of frac. Water contained 2% $CaCl_2$.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1 from ____ to ____ No. 4 from ____ to ____
No. 2 from ____ to ____ No. 5 from ____ to ____
No. 3 from ____ to ____ No. 6 from ____ to ____

Commenced drilling ____ Finished drilling ____

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 C. D. COX

Date ____ Title PETROLEUM ENGINEER

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

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company ____ Address ____
Lessor or Tract ____ Field ____ State NEW MEXICO
Well No. ____ Sec. ____ T. ____ R. ____ Meridian ____ Co. ____ County ____
Location ____ ft. ____ of ____ Line and ____ ft. ____ of ____ Line of Section ____ Elevation ____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
OIL CON. COM.
DIST. 3

RECEIVED
Form approved
Budget Bureau No. 42-R355.4.
U.S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

FORM 9-330