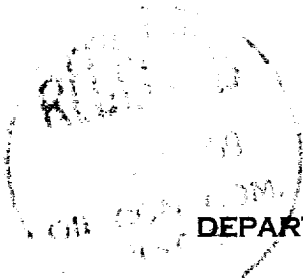


U. S. LAND OFFICE Jicarilla Tr.  
SERIAL NUMBER Cont. No. 64  
LEASE OR PERMIT TO PROSPECT PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

NOV 13 1959  
U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C. 20540

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Jicarilla Field So. Blanco P.C. State New Mexico  
Well No. 14-E Sec. 17 T. 25N R. 4W Meridian N.M.P.M. County Rio Arriba  
Location 1003 ft. SW of N Line and 940 ft. E of W Line of Section 17 Elevation 7481  
(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 H.E. MANALLY

Date August 11, 1959 Title Petroleum Engineer

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

Commenced drilling 4-19, 1959 Finished drilling 4-27, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3818 to 3894 (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		Purpose
							From -	To -	
8 5/8	32	8 Rd.	J-55	126'	Howco				Surface
5 1/2	15.5	8 Rd.	J-55	3937'	Baker				Prod. Csg.
1 1/4	2.4	10 Rd.	Grade "A"	3863'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	136	120	Circulated		
5 1/2"	3947	82	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 \_\_\_\_\_ feet to 3948 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

7-13, 1959 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 2,786,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 969 A.O.F. = 2963 MCF/D

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3290	3290	Tan to gry cr-grn ss interbedded w/gry sh.
3290	3478	188	OJO Alamo ss. White cr-grn s.
3478	3687	209	Kirtland form. Gry sh interbedded w/tight gry fine grn ss.
3687	3818	131	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3818	3894	76	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3894	3948	54	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

FOLD MARK

**FORMATION RECORD—Continued**[illegible]

### 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.

7-10-59 E.D. 3948'. C.O.T.D. 3894'. Water Frac. Pictured Cliffs perf. int. 3856-3880 w/2 D<sup>3</sup>/ft. Treated w/31,810 gallons water, 35,000# sand. Flushed w/4241 gallons water. BDP 2750#, Max. pr. 2800#, tr. pr. 900-1100-1400-2700#. I.R. 32.7 BPM. 4 stages - 2 drops 15 balls each, 1 drop 10 balls. 200 gal MCA ahead of frac. 1% Calcium Chloride in frac. water.

FOUO 04 12 03 034 427

DEHYDRATION OF LIQUID POLYMER

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