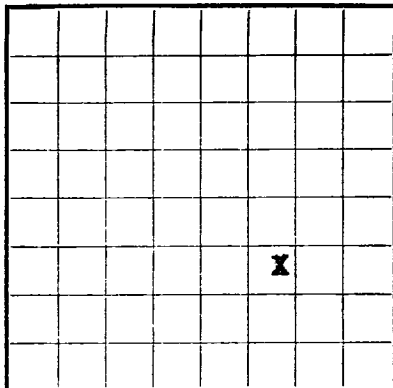


Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER 078097
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Bex 997, Farmington, New Mexico
Lessor or Tract Heston Field Artes P.C. Ext. State New Mexico
Well No. 13 Sec. 32 T. 31N R. 11W Meridian N.M.P.M. County San Juan
Location 1750 ft. N of 1 Line and 1650 ft. W of 1 Line of Section 32 Elevation 5798'
(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 20, 1957 Title Petroleum Engineer

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

Commenced drilling 5-2, 19 57 Finished drilling 5-6, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2269 to 2373 (G) No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
No. 2, from _____ to _____ No. 4, from _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8-5/8"	24	8 BA.	J-55	141'	Bottom			surface
5-1/2"	15.9	8 BA.	J-55	2370'	Submer			Production and vent
1-1/2"	3.3	8 BA.	J-55	432'	Submer			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	150'	100	circulated		
5-1/2"	2380'	150	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

TOOLS USED

Rotary tools were used from 0 feet to 2380 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-12, 19 57 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 2,637,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 676 A.C.F. = 2980 MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

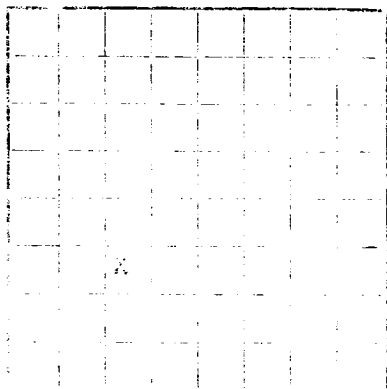
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	986	986	Ojo Alamo ss. White cr-gra s.
986	1866	880	Kirtland form. Gry sh interbedded w/tight gry fine-gra ss.
1866	2269	403	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-gra ss.
2269	2373	104	Pictured Cliffs form. Gry, fine-gra, tight, varicolored soft ss.
2373	2380	7	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Please see Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



INDICATE WELL COMPLETION

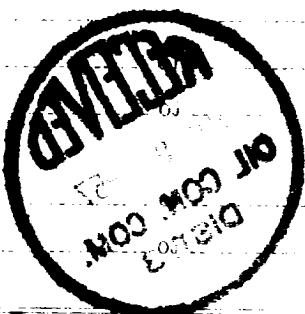
Company Name: Continental Oil Company
Location: Wichita Falls, Texas
Well Name: Wichita Falls No. 1
Depth: 1,000 feet
Diameter: 2 1/2 inches
Casing: 2 1/2 inch, 12 lb. pipe
Cement: Best quality
Date: Jan. 1, 1925
Driller: John D. Johnson

The summary on the page is for the condition of the well at the date of completion. It is not intended to be a permanent record of the well's history. The summary on the page is for the condition of the well at the date of completion. It is not intended to be a permanent record of the well's history.

OIL OR GAS SANDS OR ZONES

(Describe gas by G)

No. 1 from 0 to 100 feet
No. 2 from 100 to 200 feet
No. 3 from 200 to 300 feet
No. 4 from 300 to 400 feet
No. 5 from 400 to 500 feet
No. 6 from 500 to 600 feet
No. 7 from 600 to 700 feet
No. 8 from 700 to 800 feet
No. 9 from 800 to 900 feet
No. 10 from 900 to 1,000 feet



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 the results. If there were any changes made in the casing, state fully, and if any tests were made, state the results. 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 falling of water. 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 falling of water.

HISTORY OF OIL OR GAS WELL

FROM		TO		TOTAL FEET		FORMATION	
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