

[illegible]

LOCATE WELL CORRECTLY

U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 078872-A
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bolsack #13

RECEIVED

APR 24 1952

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company The Frontier Refining Company Address 410 Boston Bldg., Denver, Colo.
 Lessor or Tract Bolack-Government Field S Ku z Canyon (Ext) State New Mexico
 Well No. 13 Sec. 15 T. 27N R. 11W Meridian N.M.P.M. County San Juan 6305' GRD.
 Location 1650 ^(N.) of S Line and 1650 ^(E.) of W Line of Section 15 Elevation 6314' KB

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 Herman S. Halbroth

Date April 22, 1952 Title Norman S. Galbraith, Geologist

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

Commenced drilling 12/28 19 52 Finished drilling 12/31 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2003 to 2017 3 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to MAY 9 1952

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASEING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	115' KB	90 sacks	plug		
1 1/2"	2008' KB	150 sacks	plug		

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
3½ x 20	2	Liquid Nitro	40 qts.	1/12/52	2022-2042'RF	2042'RF

TOOLS USED

Rotary tools were used from 0 feet to 2008 feet, and from _____ feet to _____ feet.

Cable tools were used from 2008 feet to 2042 feet, and from _____ feet to _____ feet.

DATES

Completed 1/12 19 52 Put to producing Shut in, 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 2,000,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 160

EMPLOYEES

Camden Drilling Company, Driller

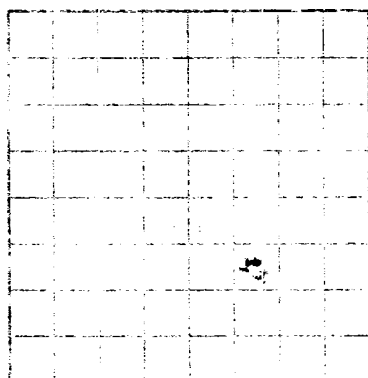
English Drilling Company _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1980	1980	Sand and shale. Torrehon-Puerco at surface.
1980	1989	9	Sand (silver sand).
1989	2003	14	Coal. Top Pictured Cliffs sandstone at 2003'KB
2003	2047	44	Sand with shale breaks.
	2047'KB	TD	(No electric log run)

FOKIAZILION RECORD--CONTINUED

LOG OF OIL OR GAS WELL



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36 x 20. Shot off at 11:07 A.M. Cleaned out to 2047 KB. Moved rig off
The summary of this page is as follows: "Well completed as a shut in gas
well without running in tubing."

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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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE.

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FORMATION RECORD—Continued

WV 2153