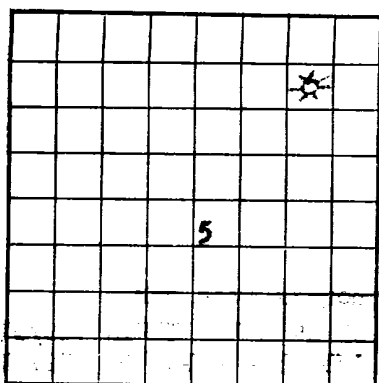




LOCATE WELL CORRECTLY

U. S. LAND OFFICE SANTA FE

SERIAL NUMBER 080382-1

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Schwerdtfeger #8
C. S. 121 NE

APR 28 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 Schwerdtfeger-Government Field W. Kitz Canyon (Ext) State New Mexico
Well No. 8 Sec. 5 T. 27N R. 11W Meridian N.M.P.M. County San Juan
Location 990 ft. [N] of N. Line and 990 ft. [W] of E. Line of Section 5 Elevation 6082' Grd.
(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 Dorman S. GalbraithDate April 22, 1952Title Dorman S. Galbraith, Geologist

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

Commenced drilling 11/27, 19 51 Finished drilling 12/1, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1880 to 1978 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	10	116	116	116	116			Surface
5-1/2"	18	8	116	116	116	116			116

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	126' KB	80 sacks	plug		
5-1/2"	1892' 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
4 x 20	6	Liquid nitro	130 qts	12/9/51	1925-1978' KB	1978' KB
4 x 20	1	" "	20 qts	12/13/51	1901-1909' KB	1909' KB

TOOLS USED

Rotary tools were used from 0 feet to 1923 feet, and from _____ feet to _____ feet
Cable tools were used from 1923 feet to 1978 feet, and from _____ feet to _____ feet

DATES

Completed 12/15 19 51 Put to producing temporarily 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 22,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1600

EMPLOYEES

Camden Drilling Company, Driller _____, Driller
English Drilling Company, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	750	750	Sand and shale. Torrehon-Puerco at surface. To Ojo Alamo at 750'.
750	835	85	Sand with shale breaks. Top of Kirtland shale at 835'.
835	1880	1045	Sand and shale with some coal near base. Top Pictured Cliffs at 1880'.
1880	1978	98	Sand with shale breaks.
	1978' KB	78	

(OVER)

16-43094-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

●				

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 "shed or dished", 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.

16-53084-1 U. S. GOVERNMENT PRINTING OFFICE

[illegible]