

A 10x10 grid with a star at (6, 8) and the number 5 at (5, 5).

U. S. LAND OFFICE **SANTA FE**
SERIAL NUMBER **080382**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Frontier Refining Company Address 410 Boston Building, Denver, Colorado
Lessor or Tract Schwerdtfeger Field W. Kutz Canyon State New Mexico
Well No. 2 Sec. 5 T. 27N R. 11W Meridian N.M.P.M. County San Juan 6111 Gpd.
Location 1650 ft. N. of S Line and 990 ft. E. of E Line of Section 5 Elevation 6120 KB
(Metric 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.

Date July 10, 1951 Title Geologist

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

Commenced drilling 5/19, 19 51 Finished drilling 6/2, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>1860</u> to <u>1930 G</u>	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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	105' C.B.	100 sacks	plug	-	-
5-1/2"	1872' C.B.	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
1x20 4x10	5 1 }	Liquid Nitro	110 lbs.	6/11/51	1890-1935' GC	1940 RD

TOOLS USED

Rotary tools were used from 0 feet to 1940 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed 6/13, 19 51 Put to producing Sept. 1, 19 51

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 1,600,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 465

EMPLOYEES

Camden Drilling Company, Driller _____, Driller _____

English Drilling Company _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	757	757	Sand and shale. Torrehon-Puerco at surface. Top Ojo Alamo at 757'.
757	840	83	Sand with a few thin shale breaks. Top Kirtland shale at 840'.
840	1600 ?	760 ?	Shale and sand. Top Fruitland shale at 1600' (?)
1600	1860	260	Shale with some sand and coal. Top Pictured Cliffs formation and sandstone at 1860'.
1860	1940	80	Sand with few shale breaks.
	1940 FD		

