

U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 078572-A
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 Bldg., Denver, Colorado
Lessor or Tract Salask-Government Field W. Kutz Canyon State New Mexico
Well No. 7 Sec. 9 T. 27N R. 11W Meridian N.M.P.M. County San Juan 6211' Ord.
Location 990 ft. AK of N Line and 990 ft. W of E Line of Section 9 Elevation 6220' KB
(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 Benjamin S. Galbraith
 Title Benjamin S. Galbraith, Geologist

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

Commenced drilling 12/12, 19 51 Finished drilling 12/16, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1980 to 2065 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. 2, from _____ to _____

No. 3, 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"	28 & 32	10V thd.		104'					Surface Production Hiphon
5-1/2"	14#	8rd thd.		2012'					
1"	1.7#	8rd. thd.		1981'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5-5/8"	11' E	95 sacks	plug		
5-1/2"	1922' E	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	8	Liquid Nitro	170 lbs.	1/1/52	106-2065'	2065'K.S.
4 x 10	1					

TOOLS USED

Rotary tools were used from 0 feet to 1993 feet, and from _____ feet to _____ feet.

Cable tools were used from 1993 feet to 2065 feet, and from _____ feet to _____ feet.

DATES

Put to producing 1941 in, 1942

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 175,000 Gallons gasoline per 1,000 cu. ft. of gas 1

Rock pressure, lbs. per sq. in. ~~135,000~~ 160,000

EMPLOYEES

Carden Drilling Company.....	Driller		Driller
English Drilling Company.....	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1650	1650	Sand and shale. Torreyan-Merco at surface.
1650	1988	338	Sand and shale with coal streaks. Top of Pictured Cliffs sandstone at 1988' (same top)
1988	2065	77	Sand with thin shale breaks.
	2065' RD	RD	(No electric log run)

FORMATION RECORD—Continued

[illegible]

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

1-606-97

U. S. GOVERNMENT PRINTING OFFICE

12/13/51
12/13/51
5 joints (104.1) or 4-5/24 in., 10 A thru., (2 joints or 39.6' of 28# and 3 joints or 64.5' of 32#) casing and set at 113.1' with 95 sacks of regular cement and allowed to set in place. Tested with 500 pounds per sq. in. for 30 minutes. Below this point and tested with 3000 pressure and for 30 minutes.

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[illegible]

used 6 shells 7 x 20 and 1 shell 4 x 10. Dumper was moved from 1991-96112.
 Dumped cat head from 1956-1991112.
 Shot off at 9:06 A.M. Drilling on cat head.
 Started running 1" tubing which parted with 1638' in hole.
 Fishing. Moved off.
 Moved back on to fish for 1" tubing.
 Standing by for fishing tools.
 Fishing.
 Recovered 2 joints of 1".
 Alarming out.
 Ran fishing tools and drilling of tank.
 Ran 93 joints (1981') of 1" tubing set at 1987'KB. Well gauged 175 morning at 7:00 AM. 14' off. Completed as a shut in gas well.