

U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 078872-A
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bolack #9
 RECEIVED
 APR 17 1952
 U. S. GEOLOGICAL SURVEY
 - FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

A 10x10 grid with a small circle in the 3rd column, 4th row and a small triangle in the 6th column, 5th row.

LOCATE WELL CORRECTLY

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Company The Frontier Refining Company Address 410 Boston Bldg., Denver, Colo.
Lessor or Tract Bolsack Government Field M. Kutz Canyon State New Mexico
Well No. 9 Sec. 4 T. 27N R. 11W Meridian N.M.P.M. County San Juan
Location 990 ft. N of N. Line and 1450 ft. E of W. Line of Section 4 Elevation 6142' Grd.
(Derrick floor relative to level of well)

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 April 10, 1952 Title Dorman S. Calbraith, Geologist

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

Commenced drilling 12/4, 1951 Finished drilling 12/9, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1945 to 2035 0
No. 2, from to
No. 3, from to
No. 4, from to
No. 5, from to
No. 6, from to

RECEIVED

IMPORTANT WATER SANDS

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

OIL CON. COM
DIST. 3

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	112' HD	95	Plug	-	-
2 5/8"	1935' KB	150	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
3 1/2 x 20	7	14 mil Nitro	140 lbs.	12/25/51	1640-2535 ft.	1635 ft.

TOOLS USED

Rotary tools were used from 0 feet to 2035 feet, and from _____ feet to _____ feet.

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

DATES

DATE _____
1/27, 1952 Put to producing ~~Plugged~~ abandoned, 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 ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

~~Candor Drilling Company~~ -----, Driller -----, Driller
~~English Drilling Company~~ -----, Driller -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	824	824	Sand and shale. Torrehon-Puerco at surface. Top Ojo Alamo at 824'.
824	910	86	Sand with shale breaks. Top of Kirtland shale at 910'.
910	1940	1030	Shale with some sand. Top Painted Cliffs at 1940' (?)
1940	2035	95	Sand with shale breaks.
	2035' KB	TD	

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16-43004-2

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EXAMINATION FEB 1971

18-43084-9

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12/1/51 Spudded at 7:30 P.M.
 12/5/51 Ran 5 joints (107') of 8-5/8" ID, 10 WPM and, 32#/ft. casing set at 11:15.
 With 95 sacks of regular cement circulated to surface. Logged with 1000
 held for 30 minutes. Budder moved off.
 12/6/51 Drilled plug and tested with 3000 for 30 minutes. Drilled to 767'.
 12/7/51 Drilled to 1373'.
 12/8/51 Drilled to 1745'.
 12/9/51 Drilled to 2035' WPM. Ran chamber for 115-2035'. Top of returned
 12/10/51 Ran 64 joints of 5 & 5 1/2", 15 & 15.5#/ft. and cemented with 150 sacks of regular cement. Total of
 1972.5' run with 1976.5' in hole set at 1955' KB. Moved off rotary tools.
 12/16/51 Moved in cable footsill or gas sands or zones.
 12/17/51 Drilled thru plug and found water in hole with which sought level of
 12/21/51 Drilled hole from 1962-2035' KB with 140 quarts. Used 7 shells 3420. Lumped
 12/26/51 Well shot from 1939-1962' KB. Shot off at 2:15 P.M. Water rose to within 1200' of
 12/26/51 Cemented bottom of hole with 25 sacks of cement. Well plugged back to 1810'.
 1/2/52 Drilled casing.
 1/2/52 Shot casing 6 times. Tugged off at 802'.
 1/2/52 Drilled casing. Tugged down and mudded hole. Put 30' cement plug
 1/27/52 Cut off braden head and set up a permanent marker of 7" pipe 7' above ground
 level. Well plugged and abandoned.

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, 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 balling.

HISTORY OF OIL OR GAS WELL

[illegible]

FORMATION RECORD—Continued