

A 10x10 grid with a star at (2, 3) and the number 8 at (4, 4).

LOCATE WELL CORRECTLY

U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 080382-A
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Frontier Refining Company Address 410 Boston Building, Denver, Colo.
Lessor or Tract Schwerdtfeger Field W. Kutz Canyon State New Mexico
Well No. 3 Sec. 8 T. 27N R. 11W Meridian N.M.P.M. County San Juan
Location 990 ft. XX of N Line and 1650 ft. XX of W Line of Section 8 6125 Ord. 6134' KB
Elevation 6126' CG
(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.

Date July 17, 1951 Signed Dennan S. Colburnath
Title Dennan S. Colburnath, Geologist

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

Commenced drilling May 23 1951 Finished drilling June 10 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from	to	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 100-100-100 to 100-100-100 No. 3, from 100-100-100 to 100-100-100
No. 2, from 100-100-100 to 100-100-100 No. 4, from 100-100-100 to 100-100-100

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	40	3rd.		83'					Surface
5-1/2"	27 1/2	3rd.		115'					Production
1"	1 1/2	3rd.		157 1/2'					Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2-5/8"	92' KB	85 sacks	plug	-	-
3-1/2"	1868' K	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
4x30	4	Liquid Nitro	160 qts.	6/17/51	1873-1936' 00	1936' 00
1x20	2					

TOOLS USED

Rotary tools were used from 0 feet to 1946' feet, and from feet to feet

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

DATES

Completed June 18, 1951 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 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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.

5/25/51 Spudded.
5/26/51 Set 3 joints (83') of 9-5/8" OD, 15.5#/ft. casing at 92' KB with 85 sacks of cement and circulated to surface. Tested casing with 500# pressure held for 30 minutes.
6/8/51 Moved on rotary tools and drilled plug. Tested with 300# pressure for 30 minutes. Drilling.
6/9/51 Drilled to 1719'.
6/10/51 Drilling completed at 1946' KB TD. Ran electric log from 90-1923'. Top Pictured Cliffs formation at 1864' KB.
6/11/51 Ran 29 joints of 5-1/2" 17#/ft. and 62 joints 5-1/2" 14#/ft. casing set at 1868' KB with 150 sacks of cement. Moved off rotary tools.
6/14/51 Moved on cable tools.
6/16/51 Drilled thru plug and back to hole dry and 300# dry for 30 minutes. Hole cleaned out to 1946' KB. Filled with pea gravel to 1936' CC.
6/17/51 Ran 160 quarts of liquid nitro set from 1873-1936' CC with 11 hour time bomb. Used 4 shells 430 and 2 shells 420. Filled with pea gravel from 1932-1936' CC. Dumped Cal Seal from 1905-1932' CC. Shot off at 5:20 P.M.
6/18/51 Cleaned out to 1936' CC after shot. Ran 1" siphon line to 1934' CC. Gauged 606 MCFTD at 460# SIP. Well completed as a shot in gas well.

[illegible]

LOC OF CIT OR FAS MET

GEOGRAPHIC APPENDIX

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KILLED PLAYERS

LEWIS & CLARK TO PROCEED TO THE
NORTH PACIFIC OCEAN
ON THE 15TH OF JULY