

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT

14-30-603-734  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming  
Lessor or Tract Tribal (Navajo) Field Horseshoe Gallup State New Mexico  
Well No. 54 Sec. 32 T. 31N R. 16W Meridian 101W County San Juan  
Location 1980 ft. <sup>N.</sup> of 3 Line and 2060 ft. <sup>E.</sup> of 4 Line of Sec. 32 Elevation 3402.001  
(Derrick floor)

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 5-19-59 Signed R.P. Curry Title District Clerk

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

Commenced drilling 4-22, 1959 Finished drilling 5-10-59, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1231 to 1246 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1254 to 1263 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 1339 to 1370 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	120.00	3	AMCO	1194-1398	AMCO	1194-1398	1231	1263	Oil
4 1/2	100.00	3	AMCO	1194-1398	AMCO	1194-1398	1339	1370	Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	101.71	115	pump-plug	8.9	
4 1/2	108.32	150	pump-plug	8.9	

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

TOOLS USED

Rotary tools were used from 0 feet to 1114 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

5-19, 1959 Put to producing 5-17, 1959  
The production for the first 24 hours was 53.24 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. 11 Gravity, °Bé. 41.0  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

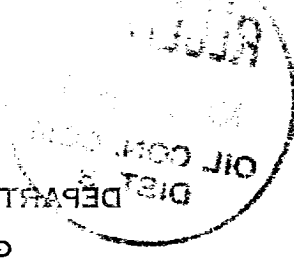
\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1194		Navajo
1194	1398		Gallup
1398			Janna Lopez
<b>First Fracture Treatment</b>			
Treated perforations 1339-1370 with 20,000# 10/20 sand and 9030 gals. lease crude. Average treating pressure 1300# at 35BPM.			
<b>Second Fracture Treatment</b>			
Treated perforations 1231-1246 & 1254-1263 with 40,000# 10/20 sand and 15,414 gals. lease crude. Average treating pressure 1200# at 35BPM.			

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Grid for well location: LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.  
Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

The summary on this page is for the condition of the well at above date.  
Commenced drilling: \_\_\_\_\_  
Finished drilling: \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

(Denote by 0)  
No. 1 from \_\_\_\_\_ to \_\_\_\_\_  
No. 2 from \_\_\_\_\_ to \_\_\_\_\_  
No. 3 from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1 from \_\_\_\_\_ to \_\_\_\_\_  
No. 2 from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Table with columns: Casing, Weight per foot, Strands per foot, Make, Amount, Kind of shoe, Cut and pulled from, Purpose.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, repairs, etc. The reasons for the work and the results. If there were any changes made in the casing, state fully, and if any casing was "struck" or left in the well, give 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 pulling.

HISTORY OF OIL OR GAS WELL

Main log table with columns: FROM, TO, TOTAL FEET, FORMATION. Includes sections for MUDGING AND CEMENTING RECORD, PLUGS AND ADAPTERS, SHOOTING RECORD, TOOLS USED, DATES, EMPLOYEES, and FORMATION RECORD.