

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-20-603-734

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. 59 Sec. 31 T. 31N R. 15W Meridian NMPM County San Juan
Location 660 ft. N of N Line and 1980 ft. E of N Line of Sec. 31 Elevation 5429.101
(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

R. P. CurryDate 5-28-59

Title

District Clerk

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

Commenced drilling 5-14-59, 19____ Finished drilling 5-22-59, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1179 to 1198 No. 4, from _____ to _____
No. 2, from 1253 to 1258 No. 5, from _____ to _____
No. 3, from _____ to _____ 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—	
<u>8 5/8</u>	<u>98.47</u>	<u>115</u>	<u>115</u>	<u>115</u>	<u>115</u>	<u>115</u>	<u>1253</u>	<u>1258</u>	<u>115</u>
<u>4 1/2</u>	<u>150.79</u>	<u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>98.47</u>	<u>115</u>	<u>pump-plug</u>	<u>8.8</u>	
<u>4 1/2</u>	<u>150.79</u>	<u>150</u>	<u>pump-plug</u>	<u>8.8</u>	

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 1338 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-28-59, 19____ Put to producing 5-27-59, 19____

The production for last 24 hours covered after fracture treatment 100% was oil; _____ %
emulsion; _____ % water; and _____ % sediment. 43.20 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
<u>0</u>	<u>1136</u>		<u>Namcos</u>
<u>1136</u>	<u>1312</u>		<u>Gallup</u>
<u>1312</u>			<u>Juana Lopez</u>
<u>First Fracture Treatment</u>			
<u>Treated perforations 1253-1258 with 20,000# 10/20 sand & 6980 gals lease crude.</u>			
<u>Average treating pressure 1900# at 27 B.M.</u>			
<u>Second Fracture Treatment</u>			
<u>Treated perforations 1179-1198 with 60,000# 10/20 sand & 17,000 gals lease crude.</u>			
<u>Average treating pressure 1750# at 29 B.M.</u>			

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A blank sheet of white graph paper with a light gray grid pattern. The grid consists of small squares, approximately 1 cm by 1 cm each. There are about 20 columns and 20 rows of squares visible on the page. The grid lines are thin and evenly spaced.

LOG OF OIL OR GAS WELL

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Commenced drilling _____

(D) and (E) are correct

IMPRESSANT WATER BANDS

CASTING RECORD

HISTORY OF OIL OR GAS WELL

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