

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT  
1-20-603-73UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address Box 520, Gallup, N.M.  
Lessor or Tract Tribal (Navajo) Field Hovenweep Valley State New Mexico  
Well No. 52 Sec. 11 T. 11N R. 16W Meridian T11N County San Juan  
Location 660 ft. N of E Line and 660 ft. E of E Line of Sec. 11 Elevation 5125 (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

Date 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 5-1, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1140 to 1173 No. 4, from to  
No. 2, from 1240 to 1276 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>29</u>	<u>11.4</u>	<u>Lucas</u>	<u>1140-1173</u>	<u>11.4</u>	<u>1140-1173</u>	<u>1140</u>	<u>1173</u>	<u>Surface</u>
<u>4-1/2</u>	<u>20</u>	<u>11.4</u>	<u>Lucas</u>	<u>1173-1276</u>	<u>11.4</u>	<u>1173-1276</u>	<u>1173</u>	<u>1276</u>	<u>Oil String</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>1140-1173</u>	<u>115</u>	<u>Pump - Plug</u>	<u>8.9</u>	
<u>4-1/2</u>	<u>1173-1276</u>	<u>120</u>	<u>Pump - Plug</u>	<u>8.9</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 134 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

## DATES

Put to producing 59

The production for the first 24 hours was oil; 59%  
emulsion; 0% water; and 0% sediment. Gravity, 11.2 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
<u>0</u>	<u>1110</u>		<u>Mancos</u>
<u>1110</u>	<u>1300</u>		<u>Gallup</u>
<u>1300</u>			<u>Guano Lopez</u>

## First Fracture Treatment -

Treated perforations 1240-1276 w/20,000# 10/20 sand and 10,374 gals. lease crude. Average treating pressure 1700 at 11.2 BP.

## Second Fracture Treatment -

Treated perforations 1140-1173 w/20,000# 10/20 sand and 10,164 gals. lease crude. Average treating pressure 1600 at 11 BP.