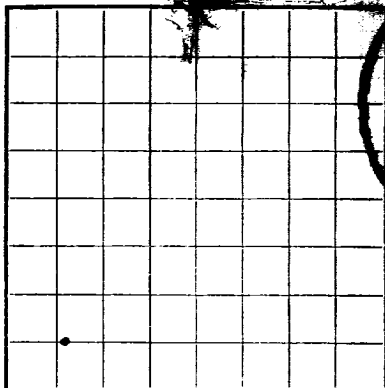
U. S. LAND OFFICE Santa Fe

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT 11-20-40-3-31

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 Harvey W. Wm. Trind Field Harroldes Gallup State New Mexico
Well No. 2 Sec. 19 T. 31N R. 10E Meridian 10PM County San Juan
Location 600 ft. N. of 8 Line and 700 ft. E. of W Line of Sec. 19 Elevation 5707.260
(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 5-5-59Title District Clerk

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

Commenced drilling 4-19, 1959 Finished drilling 4-26, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1392 to 1414 No. 4, from _____ to _____
No. 2, from 1506 to 1516 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>4 1/2</u>	<u>22.45</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>1392</u>	<u>1392</u>	<u>1414</u>	<u>Oil</u>
<u>4 1/2</u>	<u>22.45</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>1506</u>	<u>1506</u>	<u>1516</u>	<u>Oil</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>4 1/2</u>	<u>1392-1414</u>	<u>20</u>	<u>Pump - Plug</u>	<u>12.5</u>	
<u>4 1/2</u>	<u>1506-1516</u>	<u>20</u>	<u>Pump - Plug</u>	<u>12.5</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 _____ feet to 1392 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-5, 1959 Put to producing 5-4, 1959

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 20

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 12.0

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1392</u>	<u>1516</u>		<u>Harroldes Gallup</u>
First Fracture Treatment - Treated perforations 1506-1516 with 20,000# 10/20 sand and 13,146 gals. lease crude. Average treating pressure 1500# at 33 BPM.			
Second Fracture Treatment - Treated perforations 1392-1414 with 10/20 sand and 5000 gals. lease crude. Average treating pressure 1500# at 33 BPM.			
FROM—	TO—	TOTAL FEET	FORMATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Commenced drilling _____ 1925. Finished drilling _____ 1925. _____ 1925.

(D) $\frac{1}{2}$ and $\frac{1}{3}$

IMPORTANT WATER SANDS

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, casing, and the reason for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "mashed" 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.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued