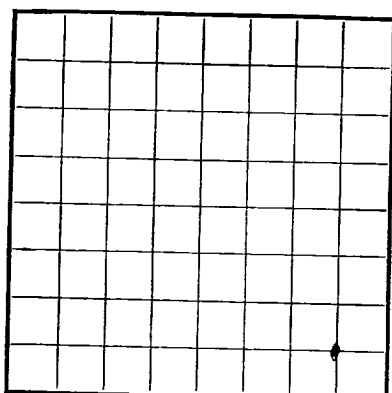
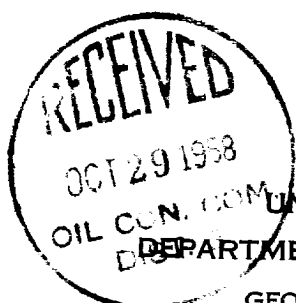




LOCATE WELL CORRECTLY

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

RECEIVED

OCT 27 1958

U. S. GEOLOGICAL SURVEY
TERMINAL NEW MEXICO

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
Lessor or Tract Tribal (Navajo) Field Horseshoe Gallup State New Mexico
Well No. 5 Sec. 30 T. 31N R. 16W Meridian NM County San Juan
Location 660 ft. [N] of [S] Line and 660 ft. [E] of [W] Line of Sec. 30 Elevation 5452.5 OL
(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 10-21-58Title District Superintendent

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

Commenced drilling 10-6-58, 19____ Finished drilling 10-10-58, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1161 to 1204 No. 4, from _____ to _____
No. 2, from 1280 to 1309 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>21</u>	<u>8</u>	<u>Big Hill</u>	<u>25.2</u>	<u>None</u>				
<u>5 1/2</u>	<u>14</u>	<u>8</u>	<u>National</u>	<u>1565.07</u>	<u>Flare</u>		<u>1165</u>	<u>1201</u>	<u>surface oil string</u>
							<u>1281</u>	<u>1309</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>102</u>	<u>100</u>	<u>Pump-plug</u>	<u>8.8</u>	
<u>5 1/2</u>	<u>1370</u>	<u>135</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 1370 feet, and from _____ feet to _____ feet

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

DATES

10-21-58, 19____ Put to producing 10-10-58, 19____

The production for the first 24 hours was 126.35 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and _____ % sediment. Pump capacity Gravity, °Bé. 40.1

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

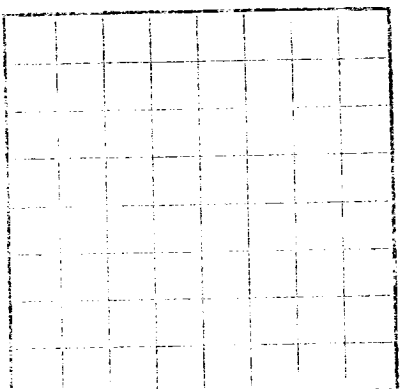
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1153</u>		<u>Mancos</u>
<u>1153</u>	<u>1309</u>		<u>Gallup</u>
<u>1309</u>			<u>Juana Lopez</u>
First Fracture Treatment			
Treated perforations 1282-1306 with 10,000 gallons of lease crude and 12,000 of 10/20 sand. Final treating pressure 1200#. Average injection rate 36 BPM.			
Second Fracture Treatment			
Treated perforations 1165-1201 with 10,000 gallons of lease crude and 12,000 of 10/20 sand. Final treating pressure 1000#. Average injection rate 37 B.M.			

(OVER)

16-43094-4



100-443887-100

As far as can be determined from all available records, the information given herein is complete and correct to that of the well and all work done thereon.

Location: Well No. 1 Section 1, T. 1 N., R. 1 E., S. 1 E.

Lesson or Title: Geology of the Well

Address: State of Texas

Continued during

[illegible]

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 "added back" 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 burning.

HISTORY OF OIL OR GAS WELL

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

[illegible]