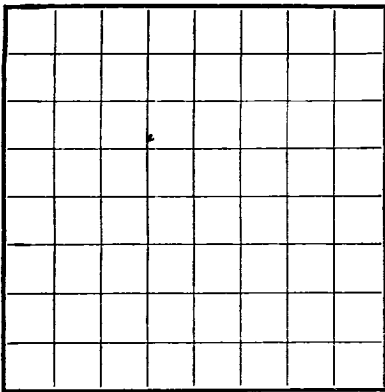




LOCATE WELL CORRECTLY



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

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. 29 Sec. 31 T. 31N R. 16W Meridian NMPM County San Juan

Location 1724 ft. N of 1 Line and 2067 ft. E of W Line of Sec. 31 Elevation 5521.001
(Derrick floor relative to 1929 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 2-19-59

Title District Clerk

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

Commenced drilling 2-6-59, 19____ Finished drilling 2-11-59, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1233 to 1252 No. 4, from _____ to _____

No. 2, from 1297 to 1306 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>24</u>	<u>8-1</u>	<u>Hg HUI</u>	<u>93.45</u>	<u>Baker</u>				<u>Surface</u>
<u>5 1/2</u>	<u>14</u>	<u>8-1</u>	<u>Hg HUI</u>	<u>1357.70</u>	<u>Hg HUI</u>		<u>1233</u>	<u>1252</u>	<u>Oil string</u>
						<u>8 1/2 in./ft</u>	<u>1297</u>	<u>1306</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>101.49</u>	<u>115</u>	<u>pump-plug</u>	<u>8.9</u>	
<u>5 1/2</u>	<u>1366</u>	<u>130</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 _____ feet to 1371 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing _____, 19____

The 2-19-59 after clean up oil recovered after fracture treatment of which 98.40 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 41.0

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

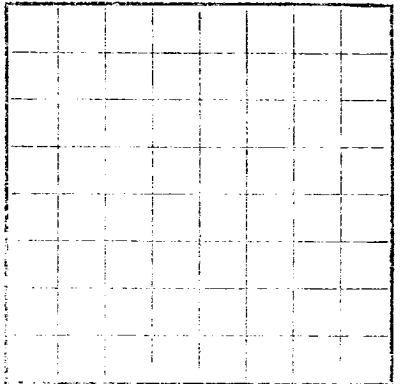
_____, Driller _____, Driller

_____, Driller _____, Driller

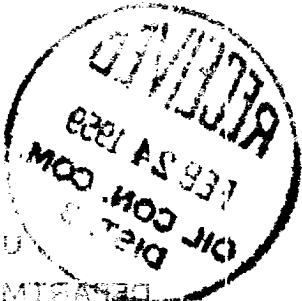
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1190</u>		<u>Mancos</u>
<u>1190</u>	<u>1364</u>		<u>Gallup</u>
<u>1364</u>			<u>Juana Lopez</u>
First Fracture Treatment			
Treated perforations <u>1297-1306</u> with <u>20,000#</u> <u>10/20</u> sand and <u>11,340</u> gallons lease crude. Average treating pressure <u>1500#</u> at <u>30.1</u> B.M.			
Second Fracture Treatment			
Treated perforations <u>1233-1252</u> with <u>30,000#</u> <u>10/20</u> sand and <u>15,640</u> gallons lease crude. Average treating pressure <u>1200#</u> at <u>32.5</u> B.P.P.			

FOLD MARK



LOCATE WELL CORRECTLY



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

LOG OF OIL OR GAS WELL

Company:
Lessor or Trust:
Well No.:
Location:
The information given here is a summary and cannot be used as a basis for any other purpose. It is not intended to be a substitute for a complete history of the well. The information given here is a summary and cannot be used as a basis for any other purpose. It is not intended to be a substitute for a complete history of the well.

Date:
The summary on this page is for the location of the well at the time of completion of drilling.
Completion of drilling:
Oil or Gas Sands or Zones:
No. 1 from
No. 2 from
No. 3 from

Important Water Sands:
No. 1 from
No. 2 from

Casing Record:
Casing No. 1 from
Casing No. 2 from

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 "struck" or left in the well, give its 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 burning.

HISTORY OF OIL OR GAS WELL

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