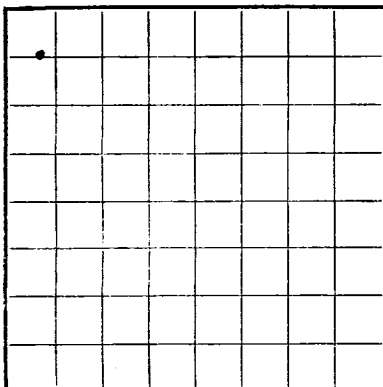




LOCATE WELL CORRECTLY



U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **The Atlantic Refining Company** Address **Box 520, Casper, Wyoming**
Lessor or Tract **Tribal (Navajo)** Field **Hartshoe-Gallup** State **New Mexico**
Well No. **66** Sec. **33** T. **31N** R. **16W** Meridian **NPM** County **San Juan**
Location **660** ft. **S** of **N** Line and **386** ft. **E** of **W** Line of **Sec. 33** Elevation **5410** ft.
(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. Curry*Date **December 1, 1959**Title **District Clerk**

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

Commenced drilling **November 10**, 19**59** Finished drilling **November 14**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1226** to **1254** No. 4, from _____ to _____
No. 2, from **1355** to **1380** 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—	
8-1/2	26.5	11.5	AMERICAN	115	Plug	1155	1155	1155	Plug
6-1/2	16.7	11.5	AMERICAN	160	Plug	1380	1380	1380	Plug

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-1/2	1155	115	Pump - Plug	9.3	
6-1/2	1380	160	Pump - Plug	9.3	

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 **1120** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

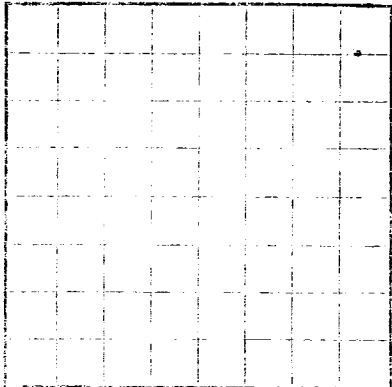
December 1, 19**59** Put to producing **November 27**, 19**59**
The production for the first 24 hours was _____% oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. **11.0**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

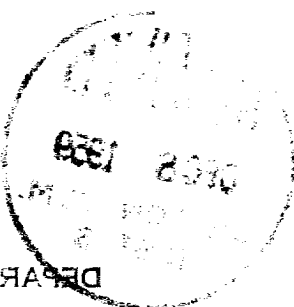
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 1195 1374	1195 1374		Navajo Gallup San Juan
First Fracture Treatment: Treated perforations 1355-1363 with 35,000# 10/20 sand in 16,506 gals. lease cured. Ave. treating pressure 1500# at 29.7 BPM.			
Second Fracture Treatment: Treated perforations 1226-1254 with 30,000# 10/20 sand in 21,756 gals. lease cured. Ave. treating pressure 1200# at 22.3 BPM.			
FROM—	TO—	TOTAL FEET	FORMATION



LOCATE WELL CORRECTLY



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

U.S. Geological Survey
Department of the Interior
Washington, D.C.

Company: ...
Lessor or Trust: ...
Well No.: ...
Location: ...
The information given herewith is a copy of the original record of the well and all work done thereon so far as can be determined from all available records.
Signed: ...

Date: ...
Title: ...
The company on this page is for the condition of the well at above date.
Commenced drilling: ...
Finished drilling: ...

OIL OR GAS SANDS OR ZONES

No. 1 from	to	No. 4 from	to
No. 2 from	to	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

Casing	Size	Weight per foot	Length	Amount	Kind of shoe	From	Purposes

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of running, together with the results of the tests and its results. If the well has been dynamited, give date, size, position, and number of charges. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or running. If the well has been dynamited, give date, size, position, and number of charges.

MUDGING AND CEMENTING RECORD		PLUGS AND ADAPTERS		SHOOTING RECORD		TOOLS USED		DATES		EMPLOYEES		FORMATION RECORD	
Size casing	Weight per foot	Length	Size	Depth shot	Quantity	Depth cleaned out	Rotary tools were used from	Foot to	Put to producing	Driller	From	Total feet	Formation