

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT -----

~~14-20-600-3531~~

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

1959

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
 Lessor or Tract Navajo Hts. Mts. Tribal Field Horseshoe Gulch State New Mexico
 Well No. Navajo B Sec. 19 T. 34N R. 16E Meridian NMSP County San Juan
16
 Location 1950 ft. [N.] of 5 Line and 2067 ft. [E.] of 4 Line of Sec. 19 Elevation 5561 ft.
16 [S.] [W.] (Check box relating to well)

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. F. Curry

Date 6-11-59 Title District Clerk

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

Commenced drilling ~~6-12-60~~_____, 19____ Finished drilling ~~6-13-60~~_____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathcal{G}$)

No. 1, from 1-100 to 1-100 No. 4, from _____ to _____

No. 2, from 1427 to 1430 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	94.33	155	pump-plug	8.9	
4 1/2	1497.92	150	pump-plug	8.9	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from _____ feet to _____ 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
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The production of the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.

Gravimetric test

Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. -----

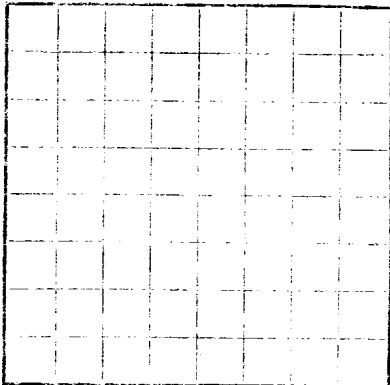
EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0 1274 1452	1274 1452		Manos Gallup Juana Lopez
First Fracture Treatment Treated perforations 1427-1439 with 50,000# 10/20 sand and 10,080 gals lease cr Average treating pressure 1500# at 34 BPM.			
Second Fracture Treatment Treated perforations 1309-1330 with 50,000# 10/20 sand and 17,850 gals lease cr Average treating pressure 1600# at 30BPM.			
FROM-	TO-	TOTAL FEET	FORMATION



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

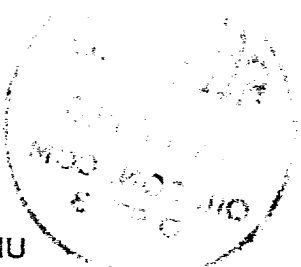
DEPARTMENT OF THE INTERIOR

UNITED STATES

Permit or Permit to Prospect

Serial Number

U. S. Land Office



Company, _____
Lessor or Tract _____
Well No. _____
Location _____
The information given hereon 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 _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
19 _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Reamed from	To	Purpose
If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. If plugged or left in the well, give location and location. If the well has been dynamited, give date, size, position, and results of dynamiting. If there were any changes made in the casing, state fully, and if any casing was 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 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 with the reasons for the work and its results.									

HISTORY OF OIL OR GAS WELL

10-43004-2	U. S. GOVERNMENT PRINTING OFFICE
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MUDDING AND CEMENTING RECORD

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Reamed from	To	Purpose
If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. If plugged or left in the well, give location and location. If the well has been dynamited, give date, size, position, and results of dynamiting. If there were any changes made in the casing, state fully, and if any casing was 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 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 with the reasons for the work and its results.									

PLUGS AND ADAPTERS

Heaving plug—Material _____	Adapter—Material _____
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SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth and	Depth cleaned out

TOOLS USED

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

DATES

Put to producing _____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% was gas.
If gas well, and if per 24 hours _____ barrels of gas and _____ barrels of oil.
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller _____	Driller _____
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FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION