

U. S. LAND OFFICE

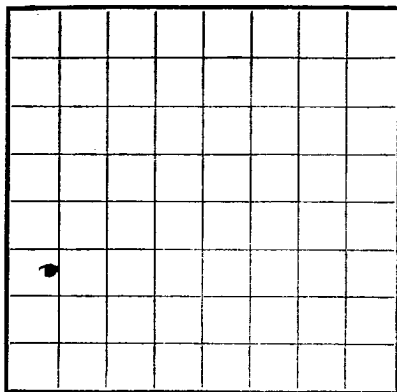
SERIAL NUMBER Havajo-Ute Mtn.LEASE OR PERMIT TO PROSPECT Tribal

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Atlantic Refining Co. Address Box 2197, Farmington, N.M.
Lessor or Tract Horseshoe Gallup Unit Field Horseshoe Gallup State New Mexico
Well No. 158 Sec. 28 T. 31N R. 16W Meridian NMPH County San Juan
Location 1740 ft. N. of 3 Line and 590 ft. E. of W Line of Section 28 Elevation 5666
(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

*B. J. Sartin*Date February 25, 1963Title Drlg. Prod. Supv.

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

Commenced drilling 12-23, 19 62 Finished drilling 12-31, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1503 to 1520 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	76.30	60 + 2% Gal	Pump & Plug	60 + 2% Gal	Pump & Plug	8.8#/gal	Cement Circulated		
4 1/2	1575.58	110 + 2% Gal	Pump & Plug	110 + 2% Gal	Pump & Plug	8.8#/gal	Annulus full		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	76.30	60 + 2% Gal	Pump & Plug		Cement Circulated
4 1/2	1575.58	110 + 2% Gal	Pump & Plug	8.8#/gal	Annulus full

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 _____ 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 production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. 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

_____, Driller _____, Driller

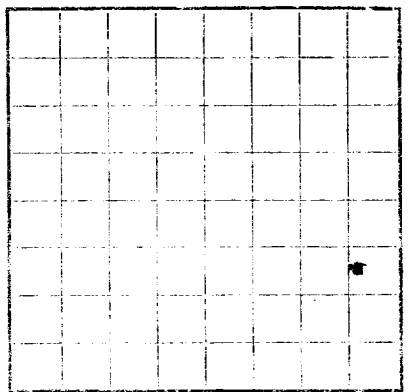
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	200 est	200 test	Point Lookout
200 est	1414	1214	Mancos
1414	1580 TD	166	Gallup (Mabrarra)
1503	1520	17	Upper Horseshoe SS.

U. S. LAND OFFICE
SERIAL NUMBER 10-45-10324
LEASE ON PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Atlantic Refining Co.
Address Box 2157, Birmingham, Ala.
Lessor or Trust Horseshoe Mining Unit
Field Horseshoe Mining State New Mexico
Well No. 152
Sec. 26, T. 35N., R. 10W., Meridian 10N.
Location 152 ft. N. of line and 20 ft. E. of line of section 26
Elevation 2500
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 B. J. Taylor
Date February 25, 1903
Title Horseshoe Mining Unit

The summary on this page is for the condition of the well at above date.
Commenced drilling 12-23
Finished drilling 12-31

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 150 to 152
No. 2, from to
No. 3, from to

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to

CASING RECORD

Casing size	Weight per foot	Threads per inch	Grade	Amount	Kind of shoe	Cut and pulled from	Restored

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 the results. 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 pulling.

HISTORY OF OIL OR GAS WELL

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MUDDING AND CEMENTING RECORD

Casing size	Weight per foot	Number sacks of cement	Method used	Mud gravity	Amount of mud used
1 1/2 in.	120 lb.	10 + 25 gal	Hand & line	1.25	Amount full
2 in.	160 lb.	10 + 25 gal	Hand & line	1.25	Amount full

PLUGS AND ADAPTERS

Adapters - Material
Heaving plug - Material
Length
Size
Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared 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

The production for the first 24 hours was
If gas well, cu. ft. per 24 hours
Rock pressure, lbs. per sq. in.
% water; and % sediment
% was oil; %
Gallons gasoline per 1,000 cu. ft. of gas
Gravity, °Be.
Put to producing 1903

EMPLOYEES

Driller
Driller
Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
Surface	200 feet	200 feet	Point lookout
200 feet	150	150	Shale
150	100	100	Gypsum (Horseshoe)
100	75	75	Upper Horseshoe ss.