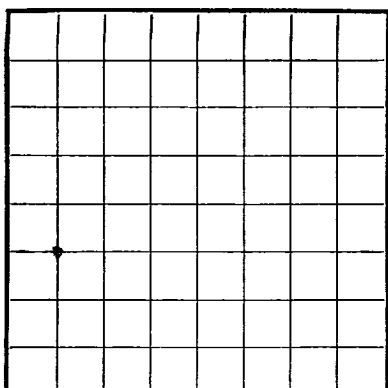




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____**11-20-603-734**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. 11 Sec. 29 T. 31N R. 10E Meridian NMPN County San Juan
Location 1900 ft. $\begin{Bmatrix} N. \\ S. \end{Bmatrix}$ of 8 Line and 660 ft. $\begin{Bmatrix} E. \\ W. \end{Bmatrix}$ of 1 Line of Sec. 29 Elevation 5642.01
(Derrick floor relative to base of 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. H. GentryDate 12-1-58 Title District Clerk

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

Commenced drilling 11-10-58, 19____ Finished drilling 11-15-58, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1901 to 1937 No. 4, from _____
No. 2, from 1935 to 1939 No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

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

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	101.77	115							
5 1/2	139.46	130							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	101.77	115	pump-plug	8.8	
5 1/2	139.46	130	pump-plug	8.9	

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 1400 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. 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

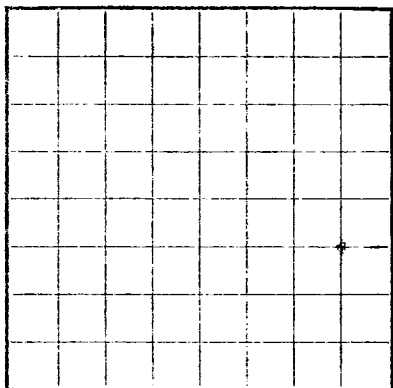
FROM—	TO—	TOTAL FEET	FORMATION
0	1170		Mancos
1170	1339		Gallup
1339			San Juan

First Fracture Treatment

Treated perforations 1324-1339 with 12,000# 10/20 sand and 8,000 gals. lease crude.
Average treating pressure 1150# at 382%.

Second Fracture Treatment

Treated perforations 1201-1236 with 12,000# 10/20 sand and 11,300 gals. lease crude.
Average treating pressure 900# at 382%.



LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

UNITED STATES

GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Company: **THE AMERICAN OIL COMPANY**
Lessor or Tract: **Section 34, Township 10N, Range 10E, T10N, R10E, S34**
Well No.: **10-10-34**
Location: **10-10-34**
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: **10-10-34**

Date: **10-10-34**
Title: **10-10-34**
The summary on this page is for the condition of the well at above date.

Commenced drilling: **10-10-34**
Finished drilling: **10-10-34**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **100** to **150**
No. 2, from **150** to **175**
No. 3, from **175** to **180**

IMPORTANT WATER SANDS

No. 1, from **180** to **185**
No. 2, from **185** to **190**

CASING RECORD

Casing Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
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It is of the greatest importance to have a complete history of the well. A log should be kept in detail of all work done, together with the reasons for the work and the results. It should be kept in the casing, and a full record of all work done, together with the reasons for the work and the results. It should be kept in the casing, and a full record of all work done, together with the reasons for the work and the results.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Casing Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
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PLUGS AND ADAPTERS

Heaving plug—Material: **100**
Adapter—Material: **100**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
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TOOLS USED

Rotary tools were used from **100** feet to **180** feet and from **180** feet to **190** feet.
Cable tools were used from **100** feet to **180** feet and from **180** feet to **190** feet.

DATES

Put to producing: **10-10-34**
The production for the first 24 hours was **100** barrels of fluid of **100** gravity, **100** was oil; **100** was water; and **100** was sediment.
If gas well, cu. ft. per 24 hours: **100**
Rock pressure, lbs. per sq. in.: **100**

EMPLOYEES

Driller: **100**
Driller: **100**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
100	110	10	100
110	120	10	110
120	130	10	120

First reservoir encountered: **100**
Second reservoir encountered: **110**
Third reservoir encountered: **120**
Fourth reservoir encountered: **130**
Fifth reservoir encountered: **140**
Sixth reservoir encountered: **150**
Seventh reservoir encountered: **160**
Eighth reservoir encountered: **170**
Ninth reservoir encountered: **180**
Tenth reservoir encountered: **190**