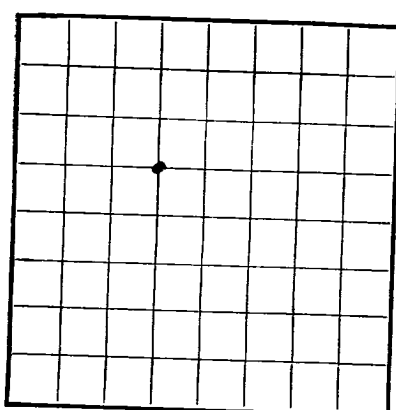




U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
 Lessor or Tract Tribal (Navajo) Field Horseshoe Gallup State New Mexico
 Well No. 7 Sec. 30 T. 11N R. 14W Meridian NMPN County San Juan
 Location 1990 ft. [N] of N Line and 2067 ft. [E] of W Line of Sec. 30 Elevation 5701 ft.
 The information given herewith is a complete description of the well location.
 (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 L. S. Kelly

Date 11-4-58 Title District Superintendent

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

Commenced drilling 10-17-58, 1958 Finished drilling 10-27-58 10

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>1498</u> to <u>1499</u>	No. 4, from _____ to _____
No. 2, from <u>1501</u> to <u>1505</u>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 1605 feet, and from _____ feet to _____ feet

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

DATES

11-1-58, 19----- Put to producing -----, 19-----
 The production of the last 24 hours was ----- barrels of fluid of which -----
 emulsion; ----- % water; and ----- % sediment. **128.7%** **100%** was oil; ----- %
 If gas well, cu. ft. per 24 hours ----- Gravity, °Bé. -----
 Rock pressure, lbs. per sq. in. ----- Gallons gasoline per 1,000 cu. ft. of gas -----

EMPLOYEES

_____, Driller

_____, Driller

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1365		Manosce
1365	1548		Gallup
1548			Juana Lopez
First Fracture Treatment			
Treated perforations with 10,000 gallons lease crude and 12,000# 10/20 sand.			
Average treating pressure 1000#. Average injection rate 37BPM.			
Second Fracture Treatment			
Treated perforations with 10,000 gallons lease crude plus 12,000# 10/20 sand.			
Average treating pressure 900#. Average injection rate 42BPM.			

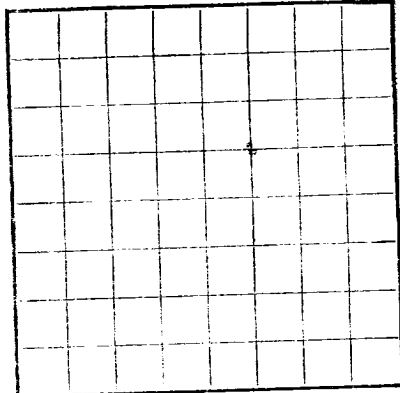
LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

U.S. LAND OFFICE
Special Number
License or Permit to Prospect

Budget Bureau No. 12-1333-1
Approval Office 12-1333-1

Form 9-330



LOCATE WELL CORRECTLY

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 _____
Title _____
Company _____
Well No. _____
Location _____
Section _____
T. _____ R. _____
Field _____
Address _____
Lessor or Tract _____
Company _____

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

OIL OR GAS SANDS OR ZONES

(Denote pay by G)

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

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 any casing was replaced or altered, give its size and location. If casing has been damaged, give date, size, position, and number of repairs. If there were any changes made in the casing, state fully, and any casing was replaced or altered, give its size and location. If casing has been damaged, give date, size, position, and number of repairs. If there were any changes made in the casing, state fully, and any casing was replaced or altered, give its size and location. If casing has been damaged, give date, size, position, and number of repairs.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE
16-43064-2

MUDDING AND CEMENTING RECORD

Casing size	Where used	Number sacks of cement	Method used	Kind of gravel	Amount of mud used
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100
8 1/2"	100'	100	dry mix	fine	100

PLUGS AND ADAPTERS

Heavy plug—Material _____
Adapters—Material _____
Length _____
Size _____
Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'
2 1/2"	20	20	20	10/10/10	100'	100'

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 water; and _____ sediment.
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravelly, sandy, silty _____

EMPLOYEES

Driller _____
Driller _____
Driller _____
Driller _____
Driller _____
Driller _____
Driller _____
Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
0	100	100	Gravelly sand
100	200	200	Sandy gravel
200	300	300	Silty sand
300	400	400	Sandy silt
400	500	500	Silty sand
500	600	600	Sandy gravel
600	700	700	Gravelly sand
700	800	800	Sandy gravel
800	900	900	Silty sand
900	1000	1000	Sandy silt

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 any casing was replaced or altered, give its size and location. If casing has been damaged, give date, size, position, and number of repairs. If there were any changes made in the casing, state fully, and any casing was replaced or altered, give its size and location. If casing has been damaged, give date, size, position, and number of repairs.