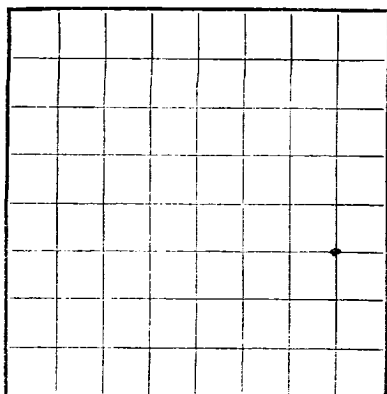
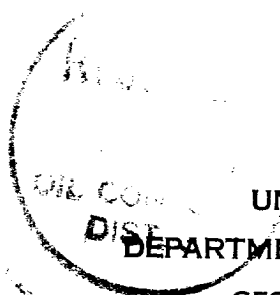




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-20-603-734

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. 97 Sec. 31 T. 31N R. 16E Meridian 11W County San Juan
Location 1980 ft. ^[N.]_[S.] of 2 Line and 660 ^[E.]_[W.] of 2 Line of Sec. 31 Elevation 5317.300
(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. CurryDate 5-22-59Title District Clerk

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

Commenced drilling 5-9-59, 19 Finished drilling 5-16-59, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1144 to 1184 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	24	4	Steel	1100	Plug	1100	1100	1100	Plug
4 1/2	12	4	Steel	1100	Plug	1100	1100	1100	Plug
HISTORY OF CUT OR CASE SAND									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	93.21	115	pump-plug	8.9	
4 1/2	1236.18	140	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 0 feet to 1305 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-22-59, 19 Put to producing 5-21-59, 19

The production for the first 24 hours was 51.15 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 41.0

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	1108		Mancos
1108	1282		Gallup
1282			Juana Lopez
First Fracture Treatment			
Treated perforations 1144-1184 with 60,000 10/20 sand and 19,824 gals. lease crude. Average treating pressure 1000 at 418°N.			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 20 rows of squares. The paper has a slightly aged or off-white appearance.

The information given in this report is based on a review of the information available to the FBI on the subject of the above captioned matter. The information given in this report is based on a review of the information available to the FBI on the subject of the above captioned matter.

OIL OR GAS SAMPLES OF ZONES

$$(d) \text{ if } \varphi \in \text{dom}(\mathcal{C}_1)$$

a)		
b)		
c)		

IMPORTANT WATER SAVING

[illegible]

CARPIS 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 if any casing was backdracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]