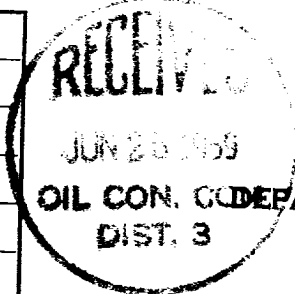




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT 14-20-600-3531

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
Lessor or Tract Havajo Sta. Mtn. Tribal Field Havashoe Gallup State New Mexico
Well No. 18 Sec. 20 T. 31N R. 16W Meridian NM7N County San Juan
Location 660 ft. N of S Line and 660 ft. E of W Line of Sec. 20 Elevation 5475.28
(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 6-23-59Title District Clerk

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

Commenced drilling 5-29-59, 19____ Finished drilling 6-9-59, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1284 to 1300 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—	
<u>8 5/8</u>	<u>35.00</u>	<u>115</u>	<u>130</u>	<u>1361</u>	<u>plug</u>	<u>plug</u>			
<u>4 1/2</u>	<u>25.57</u>	<u>130</u>	<u>130</u>	<u>1361</u>	<u>plug</u>	<u>plug</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>35.00</u>	<u>115</u>	<u>plug</u>	<u>8.8</u>	
<u>4 1/2</u>	<u>25.57</u>	<u>130</u>	<u>plug</u>	<u>8.8</u>	

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

6-23-59, 19____ Put to producing 6-21-59, 19____
The first production 22.07 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
<u>0</u>	<u>1248</u>		<u>Mancos</u>
<u>1248</u>	<u>1361</u>		<u>Gallup</u>

First Fracture Treatment

Treated perforations 1284-1300 with 90,000# 10/20 sand and 32,844 gals lease crude.
Average treating pressure 1450# at 41.4 BPH.

