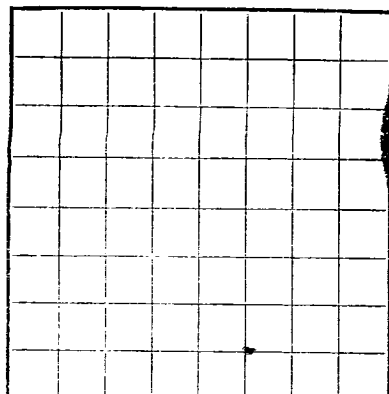
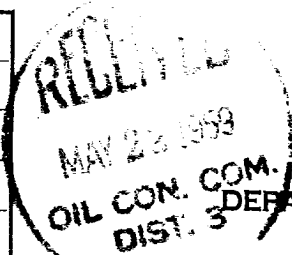




LOCATE WELL CORRECTLY

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. 53 Sec. 30 T. 31N R. 16W Meridian 12N County San Juan
Location 660 ft. N. of 8 Line and 1980 ft. W. of 8 Line of Sec. 30 Elevation 5472.201
(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 5-20-59Title District Clerk

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

Commenced drilling 4-22-59, 19____ Finished drilling 5-7-59, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1183 to 1211 No. 4, from _____ to _____
No. 2, from 1284 to 1318 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	26.0	4	AMCO	115	plug	1183	1183	1211	plug
4 1/2	13.7	4	AMCO	150	plug	1284	1284	1318	plug

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	97.36	115	plug-plug	8.9	
4 1/2	1370.74	150	plug-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 1376 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-18-59, 19____ Put to producing 5-15-59, 19____

The production for the first 24 hours was 77.05 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	1142		Mamsee
1142	1344		Gallup
1344			Junco Lopez
First Fracture Treatment			
Treated perforations 1284-1318 with 20,000# 10/20 sand and 14,250 gals. lease crude. Average treating pressure 1900# at 27BPM.			
Second Fracture Treatment			
Treated perforations 1183-1211 with 50,000# 10/20 sand and 15,120 gals. lease crude. Average treating pressure 1300# at 36BPM.			
FROM—	TO—	TOTAL FEET	FORMATION

