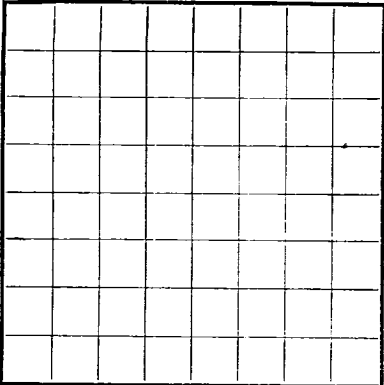




LOCATE WELL CORRECTLY

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 Gallup, N.M.
Lessor or Tract Tribe (Navajo) Field Horseshoe Gallup State New Mexico
Well No. 20 Sec. 32 T. 11N R. 16E Meridian W County San Juan
Location 1980 ft. N of 4 Line and 417 ft. E of 8 Line of Sec. 32 Elevation 5111 ft.
(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 _____

Date 12-10-58 Title District Office

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

Commenced drilling 11-30-58, 19____ Finished drilling 12-5-58, 19____

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1116 to 1185 No. 4, from _____ to _____
No. 2, from 1276 to 1291 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 1/2	8rd	Big Mill	93.42	Baker				Surface Oil String
5 1/2	14 1/2	8rd	National	1985.75	Baker				
						2 sets/ft	1117	1183	
							1273	1290	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	101.32	115	pump-plug	8.9	
5 1/2	1332.01	130	pump-plug	9.3	

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 1335 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-10-58, 19____ Put to producing 12-9-58, 19____
The production for first 14 days was 13 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
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	1115		Mancos
1115	1291		Gallup
1291			Juana Lopez
First Fracture Treatment Treated perforations 1273-1290 with 12,000# 10/20 sand and 10,000 gals lease crude. Average treating pressure 850# at 26 BPM.			
Second Fracture Treatment Treated perforations 1117-1183 with 12,000# 10/20 sand and 9600 gals lease crude. Average treating pressure 850# at 36 BPM.			

[illegible][illegible]

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 "sidetracked", 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 plugs 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]