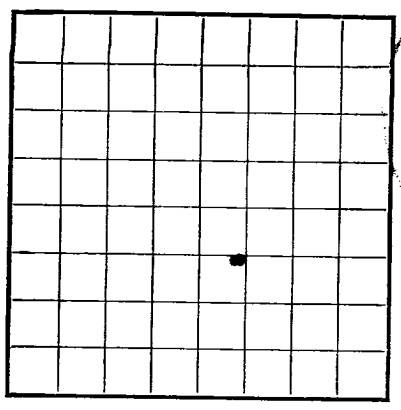
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT 14-20-603-734



LOCATE WELL CORRECTLY

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. 22 Sec. 29 T. 31N R. 16W Meridian NMPM County San Juan

Location 1980 ft. {N.} of S Line and 1980 ft. {E.} of W Line of Sec. 29 Elevation 5405.3 GL
(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. F. Carey

Date 12-17-58 Title District Clerk

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

Commenced drilling 12-6-58, 19 Finished drilling 12-10-58, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 1194 to 1221 No. 4, from to

No. 2, from 1320 to 1327 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 From—	Perforated To—	Purpose
8 5/8	24#	8rd	Mag Wld	98.97	Baker				Surface
5 1/2	14#	8rd	Wm Wld	1368.98	Baker	J 55/K 55	1194	1221	Oil String
						L 55/K 55	1320	1327	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	98.97	115	pump-plug	9.1	
5 1/2	1368.98	100	pump-plug		

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 1367 feet, and from feet to feet

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

DATES

12-17-58, 19 Put to producing 12-16, 19 58

The production for the first 24 hours was after treatment 96.00 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	1163		Mancos
1163	1340		Gallup
1340			Juana Lopez

First Fracture Treatment
Treated perforations 1320-1326 with 12,000# 10/20 sand and 11,300 gals. lease crude. Average treating pressure 1500# at 31BPM.

Second Fracture Treatment
Treated perforations 1194-1221 with 12,000# 10/20 sand and 10,000 gals lease crude. Average treating pressure 1200# at 35BPM.

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

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.

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