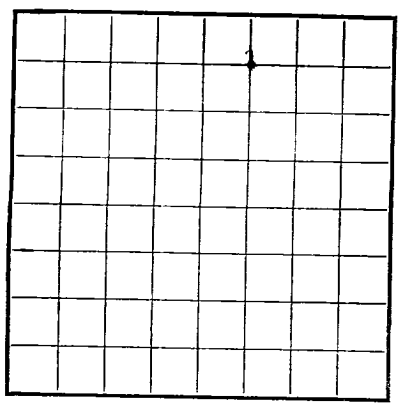
Form 9-330

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

RECEIVED JAN 1959 OIL CON. COM. DIST. 3

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. 17 Sec. 31 T. 31N R. 16W Meridian NMPM County San Juan
Location 660 ft. {N./S.} of S Line and 1980 ft. {E./W.} of E Line of Sec. 31 Elevation 5450 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

Date 1-7-59 Title District Clerk

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

Commenced drilling 12-28, 1958 Finished drilling 12-31-58, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 1157 to 1179 No. 4, from to
No. 2, from 1236 to 1248 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	[illegible]	[illegible]	[illegible]	90.72	[illegible]				[illegible]
5 1/2	[illegible]	[illegible]	[illegible]	1291.32	[illegible]		1157	1179	Oil String
							1236	1248	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	100.10	115	Pump-plug	9.0	
5 1/2	1300.02	130	Pump-plug	9.0	

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 0 feet to 1310 feet, and from feet to feet

DATES

, 19 Put to producing 1-7-59, 19

The production during the first 24 hours was 182.51 barrels of fluid of which 100 % was oil; % emulsion; % water; and 36 % sediment. Gravity, °Bé.

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
0	1115		Mancos
1115	1286		Gallup
1286			Juana Lopez

First Fracture Treatment
Treated perforations 1236-1248 with 10,000# 10/20 sand and 7900 gals lease crude. Average treating pressure 1350# at 35 BPM.

Second Fracture Treatment
Treated perforations 1157-1179 with 14,000# 10/20 sand and 13,100 gals lease crude. Average treating pressure 1350# at 37.8 BPM

[OVER]

FOLD | MARK

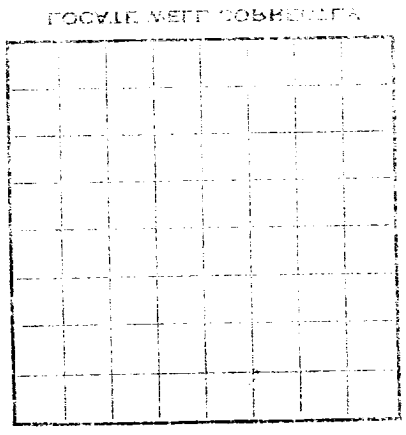
FORMATION RECORD—Continued

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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