Form 9-330

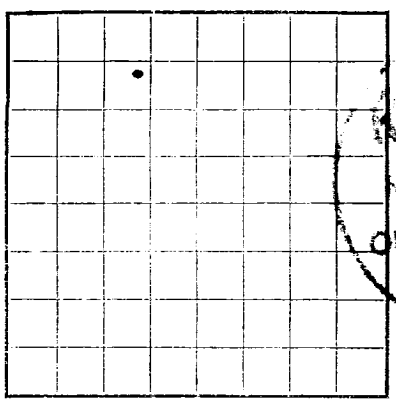
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Santa Fe

U. S. LAND OFFICE .....

SERIAL NUMBER .....

LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

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. 44 Sec. 32 T. 31N R. 16W Meridian NMPM County San Juan

Location 770 ft. {N.} of Line and ft. {E.} of Line of Sec. 32 Elevation 5395.5 GL
{S.} {W.} (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. R. Carey

Date 5-5-59 Title District Clerk

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

Commenced drilling 4-20, 1959 Finished drilling 4-29, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1143 to 1181 No. 4, from ..... to .....

No. 2, from 1265 to 1286 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]	[illegible]	[illegible]				Surface
4-1/2	9.50	8 Rd.	[illegible]	1335.27	[illegible]		1143	1181	Oil string
							1265	1286	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	105.21	115	Pump - Plug	8.9	
4-1/2	1330.27	120	Pump - Plug	8.9	

FOLD MARK

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

5-5-, 1959 Put to producing 5-2, 1959

The production for the first 24 hours was After load oil recovered after fracture treatment barrels of fluid of which 100 % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Flow & Swab Test 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	1110		Mancos
1110	1302		Gallup
1302			Cuesta Lopez

First Fracture Treatment -
Treated perforations 1265-1286 with 20,000# 10/20 sand & 11,676 gals. lease crude. Average treating pressure 1500# at 35 BPM.

Second Fracture Treatment -
Treated perforations 1265-1286 with 20,000# 10/20 sand in 11,130 gals. lease crude. Average treating pressure 1200# at 39 BPM.

FOLD MARK

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.