Form 9-330

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

U.S. LAND OFFICE (Navajo) Santa Fe
SERIAL NUMBER 14-20-603-2034
LEASE OR PERMIT TO PROSPECT Navajo Tribe of Indians "F"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUN 1 1959

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 1268, Farmington, New Mexico / Box 2180, Houston 1, Texas

Lessor or Tract Navajo Tribe "F" Field Chimney Rock Gallup State New Mexico

Well No. 21 Sec. 10 T. 31-N R. 17-W Meridian NMPM County San Juan

Location 660 ft. {N. / S.} of N Line and 660 ft. {E. / W.} of W Line of Section 10 Elevation 5243' Gr.
(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 Russell M. Lilly
Russell M. Lilly
Date June 9, 1959 Title District Superintendent

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

Commenced drilling May 13, 1959 Finished drilling May 17, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]
No. 2, from [illegible] to [illegible] No. 5, from [illegible] to [illegible]
No. 3, from [illegible] to [illegible] No. 6, from [illegible] to [illegible]

IMPORTANT WATER SANDS

No. 1, from [illegible] to [illegible] No. 3, from [illegible] to [illegible]
No. 2, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
7-5/8"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
5"	13 lb	[illegible]	[illegible]	997'	[illegible]	Pieces size in depth the casing to refrigerant, foreign			Casing Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	48'	10	Dumped	Drld. w/air	-
5"	997'	70	Pumped	Drld. w/air to 997' (9.2#)	-

PLUGS AND ADAPTERS

Heaving plug—Material None Length Depth set

Adapters—Material None Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from 0' feet to 998' feet, and from feet to feet

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

DATES

, 19 Put to producing June 1, 1959

The production for the first 24 hours was 61 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 39.2

If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

V. A. Belcher, Driller (Cherokee Air Drlg. Co.), Driller

A. W. Miller, Driller , Driller

S. Pleasant

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	998'	998'	Sand & Shale.
			FORMATION TOPS:
			Gallup 962'
			Sanostee 988'

16—43094-4

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