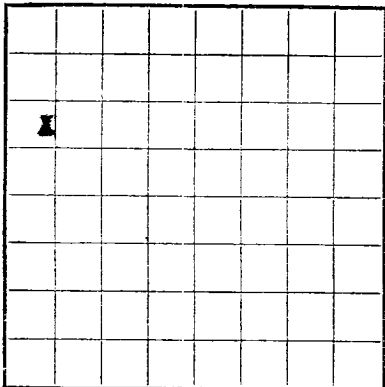


U. S. LAND OFFICE
SERIAL NUMBER **14-20-603-2034**

LEASE OR PERMIT TO PROSPECT
Navajo Tribe of Indians "P"



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Humble Oil & Refining Company** Address **Box 1268, Farmington, New Mexico**
Lessor or Tract **Navajo Tribe "P"** Field **Chimney Rock Cal. State New Mexico**
Well No. **8** Sec. **10** T **31-N** R. **17-W** Meridian **14-20-603-2034** County **San Juan**
Location **1980** ft. **N.** of **S.** Line and **660** ft. **E.** of **W.** Line of **Section 10** Elevation **5222'** Gr.
(Derick 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 Title **District Superintendent**

Date **April 23, 1959**

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

Commenced drilling **March 13,** 19**59** Finished drilling **March 16,** 19**59**

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

No. 1, from **912'** to **937'** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **None** 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—	
7"	22.4	8	J-55	937'	Plug	912'	912'	937'	Surface
4"	11.2	10	J-55	969'	Plug	937'	937'	969'	String
2"	4.6	10	J-55	923'	Plug	969'	969'	923'	Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	43'	12	Pumped	Brig. w/Air	-
4"	969'	70	Pumped	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
None						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0'** feet to **972'** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
March 29, 1959 The production for the first 24 hours was _____ barrels of fluid of which **March 30, 1959** _____% was oil; _____% emulsion; _____% water; and _____% sediment. **71** Gravity, °Bé. **100** **0**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. **394** **corr.**
Running - 16-20" SPK
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
A. E. Netherington, Driller **(Cherokee Air Drilling Company)**, Driller
Evon Pugh

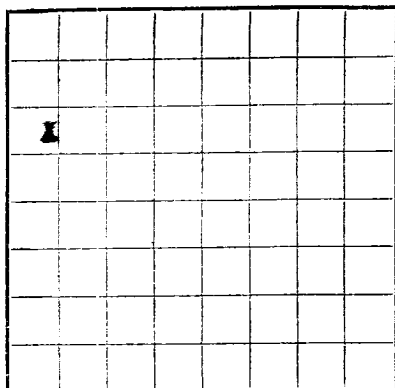
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	972	972	Sand & shale
			FORMATION TOPS:
			Gallup 912'
			Sanostee 940'

(Navajo)
Santa Fe

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT
Navajo Tribe of Indians "P"

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company ~~Mumble Oil & Refining Company~~ Address ~~Box 1268, Farmington, New Mexico~~
Lessor or Tract ~~Navajo Tribe "P"~~ Field ~~Chimney Rock Cal. State New Mexico~~
Well No. ~~8~~ Sec. ~~10~~ T. ~~31~~ R. ~~17~~ Meridian ~~N.M.~~ County ~~San Juan~~
Location ~~1980~~ ft. ~~N.~~ of ~~1~~ Line and ~~660~~ ft. ~~E.~~ of ~~1~~ Line of ~~Section 10~~ Elevation ~~5222~~ 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.

Date ~~April 23, 1959~~ Signed ~~Russell M. Lilly~~
Russell M. Lilly Title ~~District Superintendent~~

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

Commenced drilling ~~March 13,~~ 19 ~~59~~ Finished drilling ~~March 16,~~ 19 ~~59~~

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~912~~ to ~~937~~ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from ~~900~~ to ~~912~~ 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—	
7"	23.7	10	1-10	137'	1-10	1-10	1-10	1-10	Surface
4"	11.7	10	1-10	969'	1-10	1-10	1-10	1-10	937' casing
2"	4.6	10	1-10	933'	1-10	1-10	1-10	1-10	Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	43'	12	Jumped	Grav. w/air	-
4"	969'	70	Pumped	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
1-10						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from ~~0~~ feet to ~~972~~ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. 71 Gravity, °Bé. 100 0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. gas corr. _____
Flowing - 16-20" SPH
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

~~A. W. Hetherington~~, Driller (Cherokee Air Drilling Company), Driller

~~Evans Hugh~~

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	972	972	Sand & Shale
FORMATION TOPS:			
Gallup 912'			
Sanostee 940'			

