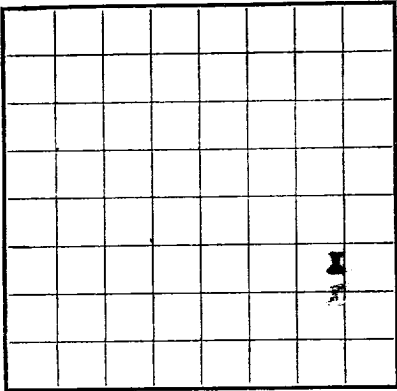


U. S. LAND OFFICE
Santa Fe
11-20-60-2034
SERIAL NUMBERLEASE OR PERMIT TO PROSPECT
Navajo Tribe of Indians "P"UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

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 Gallup State New Mexico
Well No. 7 Sec. 4 T. 31-N R. 17-W Meridian NMPM County San Juan
Location 1980 ft. N of 3 Line and 660 ft. W of E Line of Section 4 Elevation 5267' 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 Title District Superintendent
Date April 28, 1959

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

Commenced drilling March 7, 1959 Finished drilling March 10, 1959

OIL OR GAS SANDS OR ZONES

No. 1, from 1031' to 1041' 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 1041' to 1050' 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" OD	4.64	10-R	7-55	1031'	None	1031'	1031'	1041'	Surface casing
4" OD	4.64	10-R	7-55	1041'	None	1041'	1041'	1050'	Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7" OD	47'	10	Dumped	Drid. w/Air	-
4" OD	1069'	70	Pumped	9.3	-

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 1080' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 11, 1959, 19____ Put to producing April 12, 1959 (Potential)
(New Oil April 8, 1959)

The production for the first 24 hours was 24 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. 602 143 Gravity, °Bé. 39.3

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per barrel of gas 16-20% 3PM

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. W. Hetherington, Driller (Cherokee Air Drilg. Co.), Driller
Evan Pugh, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1080'	1080'	Sand & Shale.
			<u>FORMATION TOPS:</u>
			Gallup 1031'
			Sanostee 1050'

Form 2-50-10
LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

Section of Geology and Mineral Resources
Bureau of Oil and Gas Geology

U. S. LAND OFFICE
WASHINGTON, D. C.

Address: _____
City: _____
State: _____
County: _____
Section: _____
T. _____ R. _____
W. _____

Location: _____
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: _____

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

Completed drilling _____
No casing or drill stem tests. First run off to tanks - April 8, 1959.

On first 24 hour test pumping on 1600 psi pump 24 psi. Pipe line pressure 24 psi.

No. 1 from _____ to _____
Pumping unit.

No. 2 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 3 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 4 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 5 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 6 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 7 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 8 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 9 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

No. 10 15.8 psi/min. at 1350 ft. Set 24 tubing at 1050 ft. Run pump 24 psi. Pressure 24 psi.

10-5004-2 U. S. GOVERNMENT PRINTING OFFICE

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 date, size, position, and if any casing was sidetracked or left in the well, give depth and location. If the well has been abandoned, give date, size, position, and reasons for abandonment. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing of shots.

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

HISTORY OF OIL OR GAS WELL

10-5004-2 U. S. GOVERNMENT PRINTING OFFICE

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 date, size, position, and if any casing was sidetracked or left in the well, give depth and location. If the well has been abandoned, give date, size, position, and reasons for abandonment. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing of shots.

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

MUDDING AND CEMENTING RECORD

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

SHOOTING RECORD

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

TOOLS USED

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

DATES

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

EMPLOYEES

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

FORMATION RECORD

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

FORMATION

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence

FORMATION RECORD-Continued

DATE

DEPTH

THROAT

MARKS

REMARKS

Kind of shoe

From

To

Subsidence