

U. S. LAND OFFICE -----
SERIAL NUMBER --- ~~14-20-603-2033~~ -----
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Company Address P. O. Box 3082, Durango, Colorado
 Lessor or Tract Navajo Tribe of Indians G Field Many Rocks State New Mexico
 Well No. 22 Sec. 2 T. 31 N. R. 17 W Meridian N.M.P.M. County San Juan
 Location 530 ft. N of N Line and 210 ft. E of W Line of Section 2 Elevation 5077 ft. above sea level GL

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. **COPY (ORIGINAL) R M BRADLEY**

Date August 30, 1963 Title District production Super.

Commenced drilling ~~August 12, 1963~~, 19----- Finished drilling ~~August 17, 1963~~, 19-----

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathcal{G}$)

No. 1, from 1602 to 1610 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 _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
0.75	2.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
1.0	2.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
1.25	3.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
1.5	3.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
1.75	4.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
2.0	4.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
2.25	5.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
2.5	5.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
2.75	6.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
3.0	6.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
3.25	7.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
3.5	7.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
3.75	8.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
4.0	8.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
4.25	9.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
4.5	9.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
4.75	10.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
5.0	10.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
5.25	11.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
5.5	11.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
5.75	12.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
6.0	12.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
6.25	13.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
6.5	13.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
6.75	14.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
7.0	14.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
7.25	15.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
7.5	15.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
7.75	16.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
8.0	16.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
8.25	17.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
8.5	17.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
8.75	18.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
9.0	18.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
9.25	19.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
9.5	19.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
9.75	20.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
10.0	20.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
10.25	21.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
10.5	21.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
10.75	22.0	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
11.0	22.5	3rd	1-15	100	Kind of shoe	Kind of shoe	From—	To—	Purpose
11.25	23.0	3rd							

MUDDING AND CEMENTING RECORD

[illegible]

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

DATES

August 28, 1963, 1963
The production for the first 24 hours was 117 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment.
If gas well, cu. ft. per 24 hours
Rock pressure, lbs. per sq. in.

Put to producing August 28, 1963, 1963
Gravity, °Bé. 41.60°
Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 1459 1622	1459 1622 1658 TD	1459 163 36	Mancos Gallup T Point Sanastee

Spudded 8-12-63.
No still steam tests taken.
No cores taken.
LOG RUN: Formation Density Log.
Completed 8-28-63 as an oil well. Pumped 117 bbls. oil & 0 bls water in 24 hours
Turn an open choke from Gallup, 1602-1610, 6' not pay, fractured. GOR 700. Density 41 @ 60'.

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 pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]