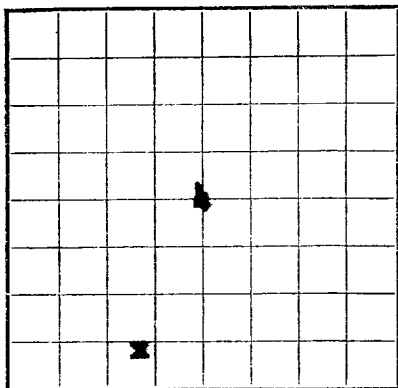


U. S. LAND OFFICE **Navajo**
SERIAL NUMBER **11-20-603-1048**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 3082, Durango, Colorado
Lessor or Tract Core Hole Field Wildcat State New Mexico
Well No. 16 Sec. 4 T. 29N R. 18W Meridian NMPM County San Juan
Location 647 ft. [N.] of S. Line and 1970 ft. [E.] of W. Line of Section 4 Elevation 5138' UG

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 **COPY (ORIGINAL)** **R. M. BRADLEY**
 Date **February 2, 1962** Title **Dist. Supt.**

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

Commenced drilling October 24, 1961 Finished drilling October 25, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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—	
1 1/2	1.1	10	10	10	10	10	10	10	10
2	1.2	10	10	10	10	10	10	10	10
2 1/2	1.3	10	10	10	10	10	10	10	10
3	1.4	10	10	10	10	10	10	10	10
3 1/2	1.5	10	10	10	10	10	10	10	10
4	1.6	10	10	10	10	10	10	10	10
4 1/2	1.7	10	10	10	10	10	10	10	10
5	1.8	10	10	10	10	10	10	10	10
5 1/2	1.9	10	10	10	10	10	10	10	10
6	2.0	10	10	10	10	10	10	10	10
6 1/2	2.1	10	10	10	10	10	10	10	10
7	2.2	10	10	10	10	10	10	10	10
7 1/2	2.3	10	10	10	10	10	10	10	10
8	2.4	10	10	10	10	10	10	10	10
8 1/2	2.5	10	10	10	10	10	10	10	10
9	2.6	10	10	10	10	10	10	10	10
9 1/2	2.7	10	10	10	10	10	10	10	10
10	2.8	10	10	10	10	10	10	10	10
10 1/2	2.9	10	10	10	10	10	10	10	10
11	3.0	10	10	10	10	10	10	10	10
11 1/2	3.1	10	10	10	10	10	10	10	10
12	3.2	10	10	10	10	10	10	10	10
12 1/2	3.3	10	10	10	10	10	10	10	10
13	3.4	10	10	10	10	10	10	10	10
13 1/2	3.5	10	10	10	10	10	10	10	10
14	3.6	10	10	10	10	10	10	10	10
14 1/2	3.7	10	10	10	10	10	10	10	10
15	3.8	10	10	10	10	10	10	10	10
15 1/2	3.9	10	10	10	10	10	10	10	10
16	4.0	10	10	10	10	10	10	10	10
16 1/2	4.1	10	10	10	10	10	10	10	10
17	4.2	10	10	10	10	10	10	10	10
17 1/2	4.3	10	10	10	10	10	10	10	10
18	4.4	10	10	10	10	10	10	10	10
18 1/2	4.5	10	10	10	10	10	10	10	10
19	4.6	10	10	10	10	10	10	10	10
19 1/2	4.7	10	10	10	10	10	10	10	10
20	4.8	10	10	10	10	10	10	10	10
20 1/2	4.9	10	10	10	10	10	10	10	10
21	5.0	10	10	10	10	10	10	10	10
21 1/2	5.1	10	10	10	10	10	10	10	10
22	5.2	10	10	10	10	10	10	10	10
22 1/2	5.3	10	10	10	10	10	10	10	10
23	5.4	10	10	10	10	10	10	10	10
2									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
None					

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 _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ 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 **Plugged: 11-28-** **61**
----- % was oil; ----- %

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

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	327	327	Gallup
327	510	183	Sanagtee

THE UNIVERSITY OF CHICAGO

APR 11 1967

[illegible]

SUMMARY: Spent Dates

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 "sacked" 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.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]