

U. S. LAND OFFICE **MM-04175**~~Lease~~
Serial NUMBER **231616**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
JAN 31 1961
D. C. C.
ARTESIAN OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Company Address Box 2347, Hobbs, New Mexico
Lessor or Tract Abo Chalk Bluff Dism Unit Field Empire Abo State New Mexico
Well No. 20 Sec. 17 T. -18-R 27E Meridian NMPM County Sady
Location 1650 ft. AX of S. Line and 330 ft. AX of S. Line of Section 17 Elevation 3437
(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 Arvin D. BadyDate January 27, 1961Title Agent

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

Commenced drilling 11-17-60, 1960 Finished drilling 12-7-60, 1960
Completion Date: 1-14-61

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

No. 1, from Dry 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. 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—	
<u>8 5/8</u>	<u>24</u>	<u>8rd</u>	<u>Unk</u>	<u>1502</u>	<u>Hawco</u>				<u>Surface</u>
<u>4 1/2</u>	<u>9.5</u>	<u>8rd</u>	<u>Unk</u>	<u>5540</u>	<u>Hawco</u>				
<u>5 1/2</u>	<u>16.2</u>	<u>8rd</u>	<u>Unk</u>	<u>5526-5534</u>	<u>Hawco</u>				
<u>5 7/8</u>	<u>16.2</u>	<u>8rd</u>	<u>Unk</u>	<u>5548-5562</u>	<u>Hawco</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>1516</u>	<u>800</u>	<u>Hawco</u>		
<u>4 1/2</u>	<u>5954</u>	<u>800</u>	<u>Hawco</u>		
<u>Squeezed perfs 5526-5534 & 5548-5562 w/ 150 ex reg neat cement.</u>					
<u>Set cement plug 5600-5400 w/ 75 ex cement to temp abandon.</u>					

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 5970 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Dry hole, 19____

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

H. O. Blackledge, Driller H. L. Bentler, Driller
Adam Locke, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>521</u>	<u>521</u>	<u>Anhy & redbeds</u>
<u>521</u>	<u>1504</u>	<u>983</u>	<u>Anhy & gyp</u>
<u>1504</u>	<u>1522</u>	<u>18</u>	<u>Anhy & lime</u>
<u>1522</u>	<u>4556</u>	<u>3034</u>	<u>Lime</u>
<u>4556</u>	<u>4780</u>	<u>224</u>	<u>Lime & dolo</u>
<u>4780</u>	<u>5510</u>	<u>730</u>	<u>Dolo</u>
<u>5510</u>	<u>5547</u>	<u>37</u>	<u>Dolo & Lime</u>
<u>5547</u>	<u>5970 TD</u>	<u>423</u>	<u>Lime</u>
FORMATION INFO:			<u>San Andres 1155</u> <u>Yeso 2924</u> <u>Bone Spring 4212</u> <u>Top Abo Reef 5282</u> <u>Base Abo Reef 5545</u>
AT THE END OF COMPLETE DRILLER LOG, ADD GEOL. NOTES, STATE WHETHER IN UNCL. OR SAMPLES			

FORMATION RECORD—Continued

FORMATION

—01

TOTAL FEET

[illegible]

HISTORY OF OIL OR GAS WELL

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