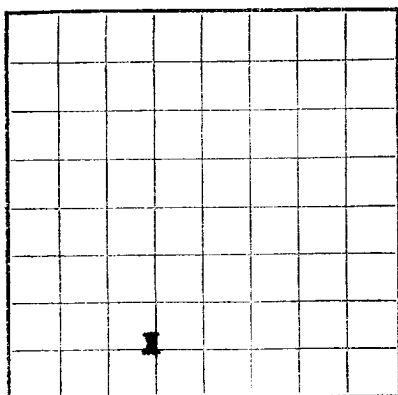


Form 9-330

U. S. LAND OFFICE
UNIT NUMBER
Humble 232842
Unit

LOCATE WELL CORRECTLY

RECEIVED

MAY 2 1960 UNITED STATES
U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
ARTESIA, NEW MEXICO
GEOLOGICAL SURVEYRECEIVED
MAY 3 1960O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 2180, Houston, Texas
Lessor or Tract Abe Chalk Bluff Draw Unit Field Empire Abe State New Mexico
Well No. 5 Sec. 4 T. 18N R. 27E Meridian NM County Sady
Location 430 ft. N of 3 Line and 2310 ft. E of 1/4 Line of Section 4 Elevation 3573
(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 R. R. Alworth Title District SuperintendentDate April 29, 1960

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

Commenced drilling March 21, 1960 Finished drilling April 12, 1960OIL OR GAS SANDS OR ZONES Completion Date: 4-14-60

(Denote gas by G)

No. 1, from 5370 to 5585 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>26.8</u>	<u>8.625</u>	<u>API</u>	<u>11.79</u>	<u>HWC</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Surface</u>
<u>4-1/2</u>	<u>9.50</u>	<u>8.625</u>	<u>API</u>	<u>5635</u>	<u>HWC</u>	<u>—</u>	<u>5540</u>	<u>5635</u>	<u>Prod.</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>1518</u>	<u>750</u>	<u>Pumped</u>	<u>—</u>	<u>—</u>
<u>4-1/2</u>	<u>5634</u>	<u>700</u>	<u>Pumped</u>	<u>—</u>	<u>—</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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 5635 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 14 % was oil; 60 %
emulsion; _____ % water; and 17 % sediment. 103 Gravity, °Bé. 100

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 449

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Adam Locke, Driller C. J. Grider, Driller
H. L. Beutler

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>452</u>	<u>452</u>	<u>Redbed & Anhydrite</u>
<u>452</u>	<u>1408</u>	<u>956</u>	<u>Anhydrite & Gyp</u>
<u>1408</u>	<u>1469</u>	<u>61</u>	<u>Sandy Lime</u>
<u>1469</u>	<u>1522</u>	<u>53</u>	<u>Anhydrite & Lime</u>
<u>1522</u>	<u>5635 TD</u>	<u>4113</u>	<u>Lime</u>
Distribution:			FORMATION TESTS:
<u>1 & 4, UGS, Artesia</u>			<u>San Andres</u> <u>1225'</u>
<u>1 - NMGS, Hobbs</u>			<u>Yeso</u> <u>2840'</u>
<u>1 - Houston</u>			<u>Abe</u> <u>5370</u>
<u>1 - Midland</u>			
<u>1 - District File</u>			
<u>2 - Hondo Oil, Artesia</u>			
<u>1 - State Engineer Office, Roswell</u>			
<u>(James I. Wright)</u>			

FORMATION RECORD—Continued

[illegible]

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 bailing.

THE WELL WILL BE FILLING UP WITH A TOTAL DEPTH OF 2635' WITH COMPLETION DEPTH OF 2601'.

Spudded 11" hole at 6:00 p.m., March 21, 1968. Set 16991 of 8-5/8" casing at 1518'. With 750 sacks regular neat cement, cement circulated.

Drilled with water from surface casing to 5051', then mudded up and drilled to total depth of 5055'. Finished drilling at 8:00 a.m., April 12, 1960. Run electric logs.

Set 5625: 4-1/2" casing at 5625' with 700 sacks cement with 125 lbs. Cement did not circulate. Top of cement at 1900'. Set 5177: 4 1/2" at 5188' with packer at 5188'. Treated water in 4-1/2" casing with 300 sacks soda.

Portion rate 4-1/2" casing 5560-5584' with 2 strokes per foot. (Great Lakes Petroleum Corp.)
 Stopped well dry. Acidized portions with 10,000 gallons 15% regular acid with
 injection rate of 6 BPM. Swabbed well then tubing after acidizing.

on documents last issued for return of all in 17 hours, 12/67. close.