

Form 9-330

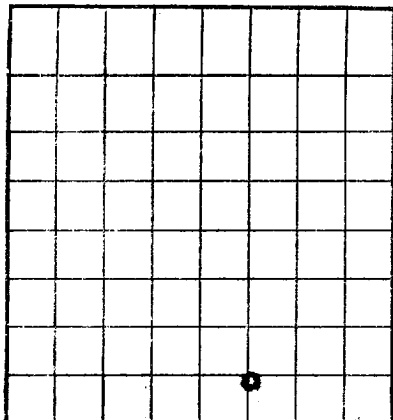
U. S. LAND OFFICE **Las Cruces**

SERIAL NUMBER **032104**

LEASE OR PERMIT TO PROSPECT

JUL 13 1945

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Box 1720, Fort Worth 1, Texas
Lessor or Tract A. H. Blinebry Field Drinkard State New Mexico
Well No. 1 Sec. 19 T. 22-S R. 38-E Meridian NMPM County Lea
Location 660 ft. [N.] of Southline and 1980 ft. [W.] of East Line of Sec. 19 Elevation 3369' (DF)
(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

Date July 14, 1945 Title Drlg. & Prod. Foreman

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

Commenced drilling January 21, 1945 Finished drilling May 5, 1945

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5580 to 5630 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>13-3/8 48#</u>	<u>8 Rd</u>	<u>Smis</u>	<u>259'</u>	<u>Baker Texas Pat.--</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>
<u>9-5/8 36#</u>	<u>8 Rd</u>	<u>Smis</u>	<u>2550'</u>	<u>Baker Guide</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>
<u>7</u>	<u>23#</u>	<u>8 Rd</u>	<u>Smis</u>	<u>5715'</u>	<u>Larkin</u>	<u>--</u>	<u>See well history</u>	<u>--</u>	<u>--</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>293'</u>	<u>300</u>	<u>Halliburton</u>	<u>--</u>	<u>--</u>
<u>9-5/8</u>	<u>2550'</u>	<u>1650</u>	<u>Halliburton</u>	<u>--</u>	<u>--</u>
<u>7</u>	<u>5673'</u>	<u>350</u>	<u>Halliburton</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
	<u>Western</u>	<u>Acid</u>	<u>500 gal</u>	<u>5-16-45</u>	<u>5580-5595'</u>	
<u>Total</u>	<u>Western</u>	<u>Acid</u>	<u>1750 gal</u>	<u>5-31-45</u>	<u>5610-5625'</u>	<u>See well history.</u>
	<u>Western</u>	<u>Acid</u>	<u>10000 gal</u>	<u>6-18-45</u>	<u>5580-5625'</u>	

TOOLS USED

Rotary tools were used from 0 feet to 7517 feet, and from _____ feet to _____ feet
Cable tools were used from -- feet to -- feet, and from _____ feet to _____ feet

DATES

July 14, 1945 Put to producing July 1, 1945

The production for the first 12 hours was 79.3 barrels of fluid of which 85 % was oil; 15 % emulsion; -- % water; and -- % sediment. Gravity, °Ba 43°

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

Rock pressure, lbs. per sq. in. _____ Gas-oil Ratio--117,000 Cu ft. per bbl.

EMPLOYEES

G. C. Ferguson, Driller B. A. Jackson, Driller
E. R. Messel, Driller C. A. Wiedman, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>56</u>	<u>56</u>	<u>Surface Caliche</u>
<u>56</u>	<u>112</u>	<u>56</u>	<u>Sand & Gravel</u>
<u>112</u>	<u>235</u>	<u>123</u>	<u>Red Beds</u>
<u>235</u>	<u>550</u>	<u>315</u>	<u>Red Beds & Shells</u>
<u>550</u>	<u>838</u>	<u>288</u>	<u>Red Beds</u>
<u>838</u>	<u>1082</u>	<u>244</u>	<u>Red Beds & Shells</u>
<u>1082</u>	<u>1239</u>	<u>157</u>	<u>Red Rock & Red Beds</u>
<u>1239</u>	<u>1278</u>	<u>39</u>	<u>Red Beds & Gyp</u>
<u>1278</u>	<u>1292</u>	<u>14</u>	<u>Anhydrite</u>
<u>1292</u>	<u>1728</u>	<u>436</u>	<u>Anhydrite & Salt</u>
<u>1728</u>	<u>1813</u>	<u>85</u>	<u>Anhydrite, Gyp & Salt</u>
<u>1813</u>	<u>2540</u>	<u>727</u>	<u>Anhydrite & Salt</u>
<u>2540</u>	<u>3475</u>	<u>935</u>	<u>Anhydrite</u>
<u>3475</u>	<u>3614</u>	<u>139</u>	<u>Anhydrite & Lime</u>
<u>3614</u>	<u>4079</u>	<u>465</u>	<u>Lime hard</u>
<u>4079</u>	<u>4240</u>	<u>161</u>	<u>Lime medium</u>
<u>4240</u>	<u>4540</u>	<u>300</u>	<u>Lime hard</u>
<u>4540</u>	<u>4710</u>	<u>170</u>	<u>Lime medium</u>
<u>4710</u>	<u>4750</u>	<u>40</u>	<u>Sandy Lime</u>
<u>4750</u>	<u>5580</u>	<u>830</u>	<u>Lime hard</u>
<u>5580</u>	<u>5625</u>	<u>45</u>	<u>Porous saturated Lime</u>
<u>5625</u>	<u>6625</u>	<u>1000</u>	<u>Lime</u>
<u>6625</u>	<u>6667</u>	<u>42</u>	<u>Lime & Anhydrite</u>
(See reverse side)			

FROM—	TO—	TOTAL FEET	FORMATION
6667	7419	7419	Lime
7419	7438	7438	Lime & Shale
7438	7457	7457	Lime & Sand
7457	7485	7485	Lime & Chert
7485	7493	7493	Chert & Lime
7493	7517	7517	Chert & Lime
7517	7530	7530	Plugged Back Depth
DEVIATION TESTS			
500' - 1 1/4	500' - 1 1/4	500'	Lime
1000' - 0	1000' - 0	1000'	Lime & Shale
4500' - 3/4	4500' - 3/4	4500'	Lime & Sand
5000' - 0	5000' - 0	5000'	Lime & Chert
5500' - 1/4	5500' - 1/4	5500'	Lime & Chert
6000' - 1/4	6000' - 1/4	6000'	Chert & Lime
6660' - 1/4	6660' - 1/4	6660'	Chert & Lime
7060' - 3/4	7060' - 3/4	7060'	Plugged Back Depth
6465-6704'; 7458-7489'; 7515-7517';	6425-6465'; 3975-3993';	6465-6704'; 7458-7489'; 7515-7517';	
DS#1—with packer at 6311, open 2 hours. Registered 90' drilling fluid. Very small blow throughout test.			
DS#2—with packer at 6819, open 1 1/2 hours. Showed 10,000 cu. ft. sweet gas and 650' gas out drilling mud.			
All depths measured from Rotary Table or 8' above ground.			

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 "unpacked" 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.

This well was drilled to total depth 7517' without encountering any pay below 5625', and therefore plugged back to 5720'. Spacing cement plugs as follows: 20 sacks, 7053' - 7064'; 30 sacks, 6880-6800'; 40 sacks, 6565-6460'; 40 sacks, 6410-6305'; 30 sacks, 5800-5720'. Casing was set and cemented at 5673' with 350 sacks of cement. Plug was not drilled and total depth measurement was found to be 5630'. (Top cement plug in casing). After 24 hours was perforated from 5595 to 5580' with 72 shots and 2" tubing was run, well swabbed approximately 20 gallons drilling water per hour with slight amount oil.

Well was acidized in 5 stages. First stage 5-16-45 with 500 gallons acid from 5580-5595', after which well tested 19 barrels fluid, 2% HSW open flow through casing in 5 hours with gas volume est. 3,700 cu. ft. per day. Tubing was pulled and casing was perforated with 72 shots from 5625-5610' and 2" tubing with packer set at 5603' perforations at 5617'. After second acid stage on 5-26-45 with 500 gallons from 5610-5625', a 7" Baker production packer was set at 5602'. Tubing was pulled and 2" tubing with perforations at 5620' was run. Third acid stage was on 5-29-45 with 250 gallons from 5618-5625' after which well swabbed water only, with small amount of gas. After fourth acid stage on 5-31-45 with 1000 gallons from 5610-5625' well tested 28 barrels of pipe line oil through tubing and casing in 24 hours with approximately 798,300 cu. ft. gas. Killed well and unsaturated packer and raised perforations to 5610' with test of well flowing 11 barrels in 12 hours through 3/4" shots with gas volume 678,800 cu. ft. from both perforated sections (5580-5595' and 5610-5625'). Well was killed and Baker production packer drilled out. Casing was perforated with 68 shots from 5594-5610' making entire section from 5580 to 5625' perforated. Ran 2" tubing with 3" perforations set at 5618, after which well flowed approximately 2000 cu. ft. gas per day with small amount of water. After fifth acid stage on 6-18-45 with 10,000 gallons injected through casing, from 5580 to 5625' well flowed 79-3 barrels fluid in 12 hours through casing through 3" open gate. Last 8 hours produced 3974 barrels, 15% HSW or at rate of 100 barrels oil per day with gas volume 11,700 MCF per day or GOR 117,000.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43094-1

