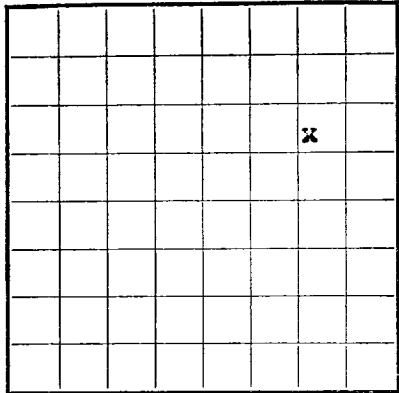


U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 057007
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Great Western Drilling Company Address Box 1659, Midland, Texas
Lessor or Tract Dick Field Allison (Penn) State New Mexico
Well No. 1 Sec. 5 T. 2-S R. 32-E Meridian NMPM County Lea
Location 1874 ft. N of N Line and 766 ft. W of E Line of Sec. 5 Elevation 4026x
(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 [Signature] O.H.Crews

Date September 25, 1961 Title Administrative Coordinator

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

Commenced drilling July 20, 19 61 Finished drilling August 23, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9673 to 9686 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 None recorded 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>10-3/4</u>	<u>32</u>	<u>8</u>	<u>Natl.</u>	<u>251</u>	<u>Tex. P.</u>	<u>None</u>			
<u>7-5/8</u>	<u>26</u>	<u>8</u>	<u>Nat.</u>	<u>4275</u>	<u>Float</u>	<u>None</u>			
<u>4-1/2</u>	<u>11.6</u>	<u>8</u>	<u>Natl.</u>	<u>9697</u>	<u>Float</u>	<u>None</u>	<u>9673</u>	<u>9676</u>	<u>Test Prod.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>261</u>	<u>250</u>	<u>Pump & Plug</u>	<u>10#</u>	<u>100 bbls.</u>
<u>7-5/8</u>	<u>4290</u>	<u>975</u>	<u>Pump & Plug</u>	<u>9.8#</u>	<u>Cement circulated</u>
<u>4-1/2</u>	<u>9715</u>	<u>400</u>	<u>Pump & Plug</u>	<u>9.5#</u>	<u>350 bbls.</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 261 feet to 9715 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 261 feet, and from _____ feet to _____ feet

DATES

September 25, 19 61 Put to producing September 21, 19 61

The production for the first 24 hours was 650 barrels of fluid of which 25.6% was oil; _____% emulsion; 74.4% water; and _____% sediment. Gravity, °Bé. 44

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
<u>0</u>	<u>195</u>	<u>195</u>	<u>Surface sand and caliche</u>
<u>195</u>	<u>2305</u>	<u>2110</u>	<u>Red beds</u>
<u>2305</u>	<u>2355</u>	<u>50</u>	<u>Anhydrite</u>
<u>2355</u>	<u>2788</u>	<u>433</u>	<u>Salt</u>
<u>2788</u>	<u>4142</u>	<u>1354</u>	<u>Sand, shale, anhydrite and salt</u>
<u>4142</u>	<u>7685</u>	<u>3553</u>	<u>Dolomite and sand.</u>
<u>7695</u>	<u>8991</u>	<u>1296</u>	<u>Shale and dolomite</u>
<u>8991</u>	<u>9715</u>	<u>724</u>	<u>Shale and lime.</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.

HISTORY OF OIL OR GAS WELL

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The well was gun perforated 9673 - 9677 on August 27, 1961. These perforations were washed with 500 gal. of mud acid. A packer was set on tubing at 9600' and the well swabbed 15 bls. of fluid per hour after recovery of acid water. This fluid averaged 15% oil. Pumping equipment was ordered after these tests on Sept. 1. This equipment arrived Sept. 17 and was installed and pumping started Sept. 20. The first 24 hrs. ending at 7:00 A.M. Sept. 21, the production was mostly water. The first measured test began Sept. 21st and ended Sept. 22, as indicated on Page 1.

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