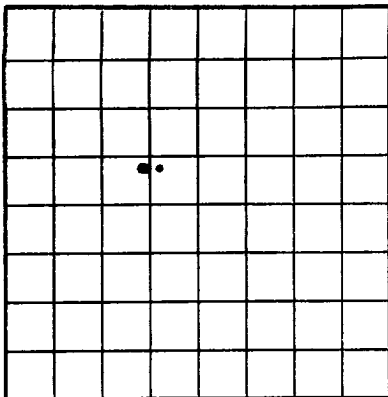


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 025465
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company UNDERWOOD & SANDERS Address Artesia, New Mexico
Lessor or Tract Frank Miller Field Loce Hills State New Mexico
Well No. 1 Sec. 5 T. 18 R. 29 Meridian N.M.P.M. County EddyLocation 1950 ft. N of N Line and 3300 ft. E of E Line of Sec. 5-18-29 Elevation 3555'
(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 Laurel KjarDate _____ Title Bookkeeper

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

Commenced drilling May 8, 1939 Finished drilling June 30, 1939OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 2555 to 2600 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>8-1/4"</u>	<u>25</u>	<u>10</u>	<u>Barrow</u>	<u>300</u>	<u>Barrow</u>	<u>Surface</u>			<u>Flow String</u>
<u>2"</u>	<u>Tubing</u>			<u>2510'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-1/4"</u>	<u>310'</u>	<u>50</u>	<u>Halliburton</u>	<u>10 Lbs.</u>	<u>Five Tons</u>
<u>7" O.D.</u>	<u>2392</u>	<u>100</u>	<u>"</u>	<u>11 "</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>6" 5</u>	<u>Tin</u>	<u>Nitro Glycerin</u>	<u>220 qts.</u>	<u>6-26-39</u>	<u>2555'</u>	<u>2600</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to Bottom feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing June 30, 1939The production for the first 24 hours was 360 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 36.2

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

Rock pressure, lbs. per sq. in. 50 lbs.

EMPLOYEES

_____, Driller _____ Mike Kjar, Driller
Hicks, Driller _____
Mac Donald, Driller _____

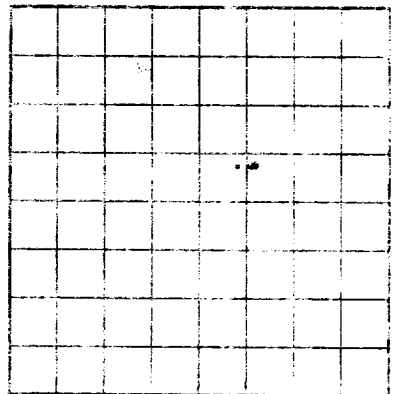
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>159</u>		<u>Red Bed & Sand</u>
<u>159</u>	<u>235</u>		<u>Red Rock & Gyp</u>
<u>235</u>	<u>300</u>		<u>Red Rock & Salt (Top)</u>
<u>300</u>	<u>305</u>		<u>Red Rock, Salt & Shells</u>
<u>305</u>	<u>315</u>		<u>Salt & Shells</u>
<u>315</u>	<u>375</u>		<u>Salt</u>
<u>375</u>	<u>780</u>		<u>Anhydrite</u>
<u>780</u>	<u>960</u>		<u>Anhydrite & Shale</u>
<u>960</u>	<u>1000</u>		<u>Broken Anhydrite & Red Shale</u>
<u>1000</u>	<u>1025</u>		<u>Anhydrite</u>
<u>1025</u>	<u>1040</u>		<u>Anhydrite & Red Shale</u>
<u>1040</u>	<u>1055</u>		<u>Red Shale</u>
<u>1055</u>	<u>1120</u>		<u>Red Shale & Anhydrite</u>
<u>1120</u>	<u>1200</u>		<u>Anhydrite & Shale</u>
<u>1200</u>	<u>1240</u>		<u>Anhydrite</u>
<u>1240</u>	<u>1295</u>		<u>Red Rock</u>
<u>1295</u>	<u>1318</u>		<u>Anhydrite</u>
<u>1318</u>	<u>1530</u>		<u>Anhydrite & Red Shale</u>
<u>1530</u>	<u>1545</u>		<u>Anhydrite</u>
<u>1545</u>	<u>1690</u>		<u>Red Shale, Anhydrite & Shells</u>
<u>1690</u>	<u>1705</u>		<u>Anhydrite</u>
<u>1705</u>	<u>1770</u>		<u>Red Shale</u>
<u>1770</u>	<u>1805</u>		<u>Anhydrite</u>
<u>1805</u>	<u>1935</u>		<u>Red Shale</u>
<u>1935</u>	<u>1940</u>		<u>Anhydrite</u>
<u>1940</u>	<u>1960</u>		<u>Anhydrite & Red Shale</u>
<u>1960</u>	<u>1980</u>		

(OVER)

6-5745

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Company, _____
Address, _____
Field, _____
County, _____
State, _____
Location, _____
The information given herewith is a complete and correct record of the well and its work done thereon
as far as can be determined from all available records.
Signed, _____
Title, _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Completed drilling _____

OIL OR GAS SANDS OR ZONES

(Indicate zone by G)

No. 1. from _____ to _____
No. 2. from _____ to _____
No. 3. from _____ to _____

IMPORTANT WATER SANDS

No. 1. from _____ to _____
No. 2. from _____ to _____

CASING RECORD

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 "detracked" 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 pulling.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

PLUGS AND ADAPTERS

SHOOTING RECORD

FORMATION RECORD
