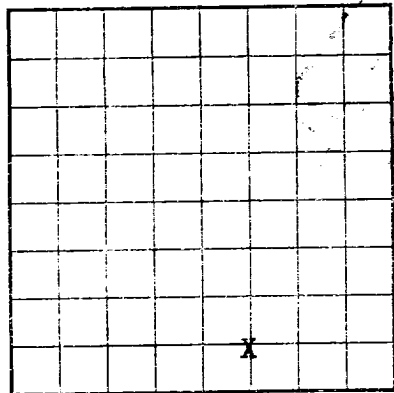


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031670 (a)
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 00, Hobbs, New Mexico
Lessor or Tract SEML-Burger A-19 Field Skaggs State New Mexico
Well No. 5 Sec. 19 T. 20S R. 38E Meridian NM County Lea
Location 660 ft. N. of S Line and 1980 ft. W. of E Line of Section 19 Elevation 3546
(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 December 1, 1950 Title District Superintendent

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

Commenced drilling March 29, 19 50 Finished drilling June 26, 19 50

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

No. 1, from 3748 to 3923 No. 4, from _____ to _____
No. 2, from 6770 to 6900 (G) 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</u>	<u>48#</u>	<u>8 rd</u>		<u>252</u>	<u>Guide</u>				
<u>9 5/8</u>	<u>36#</u>	<u>8 rd</u>		<u>3717</u>	<u>Guide Shoe & Float Collar</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>263</u>	<u>250</u>	<u>Pump & Plug</u>		
<u>9 5/8</u>	<u>3697</u>	<u>3400</u>	<u>Pump & Plug</u>		
<u>or Plug Back Data See Reverse Side)</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"</u>	<u>Tin</u>	<u>DuPont</u>	<u>370 qts</u>	<u>7-12</u>	<u>3748 to 3782</u> <u>3816 to 3920</u>	<u>3923</u>

TOOLS USED

Rotary tools were used from 0 feet to 9731 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing July 25, 19 50
The production for the first 24 hours was 80 barrels of fluid of which 100 % was oil: _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 36°
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

F. E. Laekey, Driller O. J. Change, Driller
Fred H. Gray, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1340</u>	<u>1340</u>	<u>Surface Sands & Red Bed</u>
<u>1340</u>	<u>2870</u>	<u>1530</u>	<u>Anhydrite & Shale</u>
<u>2870</u>	<u>3440</u>	<u>570</u>	<u>Dolomite, Anhydrite & Shale</u>
<u>3440</u>	<u>3680</u>	<u>240</u>	<u>Dolomite & Anhydrite</u>
<u>3680</u>	<u>5280</u>	<u>1600</u>	<u>Dolomite</u>
<u>5280</u>	<u>5370</u>	<u>90</u>	<u>Dolomite & Lime</u>
<u>5370</u>	<u>6765</u>	<u>1395</u>	<u>Dolomite</u>
<u>6765</u>	<u>7165</u>	<u>400</u>	<u>Dolomite & Lime</u>
<u>7165</u>	<u>7200</u>	<u>35</u>	<u>Dolomite, Lime & Shale</u>
<u>7200</u>	<u>7285</u>	<u>85</u>	<u>Dolomite & Lime</u>
<u>7285</u>	<u>7325</u>	<u>40</u>	<u>Dolomite, Lime & Shale</u>
<u>7325</u>	<u>7460</u>	<u>135</u>	<u>Dolomite, & Lime</u>
<u>7460</u>	<u>7550</u>	<u>90</u>	<u>Dolomite, Lime & Shale</u>
<u>7550</u>	<u>7745</u>	<u>195</u>	<u>Dolomite</u>
<u>7745</u>	<u>7795</u>	<u>50</u>	<u>Dolomite & Shale</u>
<u>7795</u>	<u>8190</u>	<u>395</u>	<u>Dolomite</u>
<u>8190</u>	<u>8390</u>	<u>200</u>	<u>Dolomite & Chert</u>
<u>8390</u>	<u>8645</u>	<u>255</u>	<u>Dolomite</u>
<u>8645</u>	<u>8840</u>	<u>195</u>	<u>Dolomite & Chert</u>
<u>8840</u>	<u>8875</u>	<u>35</u>	<u>Dolomite</u>
<u>8875</u>	<u>8930</u>	<u>55</u>	<u>Lime & Dolomite</u>
<u>8930</u>	<u>8960</u>	<u>30</u>	<u>Lime, Dolomite & Sand</u>
<u>8960</u>	<u>9160</u>	<u>200</u>	<u>Lime, Dolomite & Shale</u>
<u>9160</u>	<u>9480</u>	<u>320</u>	<u>Shale & Sand</u>
<u>9480</u>	<u>9525</u>	<u>45</u>	<u>Dolomite, Shale & Sand</u>

(OVER)

FORMATION RECORD--Continued

FROM--	TO--	TOTAL FEET	FORMATION
9525	9590	65	Lime & Shale
9590	9731	141	Dolomite, Lime & Shale
9731			Total Depth
DST #1 from 3685 to 3900. Open 1 1/4 hours. Light blow gas throughout. Recovered 30' oil & 510' water.			
DST #2 from 5385 to 5445. Open 1 hour. Light blow air throughout. Recovered 30' drilling mud & 1080' sulphur water.			
DST #3 from 6770 to 6895. Open 1 1/4 hours. Gas to surface in 4 minutes, measured 2800 MCF. Recovered 280' oil & gas cut mud. Flowing bottom hole pressure 425#, 15 minute shut in bottom hole pressure 2475#			
DST #4 from 7520 to 7600. Open 1 hour. Light blow air for 11 minutes. Recovered 30' drilling mud, no oil, gas or water.			
DST #5 from 8253 to 8438. Open 1 hour. Light blow air throughout. Recovered 540' drilling mud, no oil, gas or water.			
DST #6 from 9215 to 9270. Open 1 hour. Flow of air for 35 minutes. Recovered 900' salt water.			
DST #7 from 9680 to 9731. Open 1 hour. Light blow air throughout. Recovered 150' drilling mud, no oil, gas or water. 15 minute shut in bottom hole pressure 50#. No flowing pressure. Hydrostatic head 4625#.			
Plugged back from 9731 to 4044 as follows:			
From 9600 to 9731 with 50 sacks cement			
9140 to 9240 with 40 sacks cement			
8575 to 8675 with 40 sacks cement			
8275 to 8375 with 40 sacks cement			
7500 to 7600 with 40 sacks cement			
6900 to 7000 with 40 sacks cement			
6600 to 6700 with 40 sacks cement			
6000 to 6100 with 40 sacks cement			
5700 to 5800 with 40 sacks cement			
5350 to 5450 with 40 sacks cement			
4100 to 4200 with 50 sacks cement			
4050 to 4150 with 40 sacks cement			
4044 to 4050 with 4 sacks Calseal & 36 gallons Hydromite.			

ADH
Hobbs, W.H.
1-2-50

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 bailing.

16--43004-1
U. S. GOVERNMENT PRINTING OFFICE