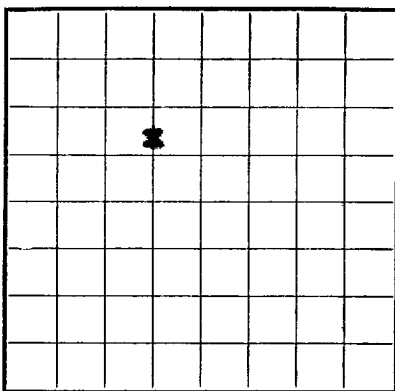


Las Cruces

U. S. LAND OFFICE **10-030299-b**SERIAL NUMBER **1070**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
Lessor or Tract M. Lockhart B-31 Field Jalco State New Mexico
Well No. 6 Sec. 31 T. 21 R. 36 Meridian NMPM County Lea
Location 1980 ft. N of N Line and 1980 ft. E of N Line of Section 31 Elevation 3643
(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] Title District Superintendent

Date February 26, 1954

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

Commenced drilling December 14, 19 53 Finished drilling January 25, 19 54

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3703 to 3780 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>9 5/8 36</u>		<u>8 rd</u>	<u>H-40</u>	<u>1663.58</u>	<u>Guide Shoe</u>				
<u>7 20</u>		<u>8 rd</u>	<u>I-55</u>	<u>3624.42</u>	<u>Guide Shoe</u>				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>1669</u>	<u>1045</u>	<u>Pump & Plug</u>		
<u>7</u>	<u>3595</u>	<u>500</u>	<u>Pump & Plug</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 0 feet to 3,780 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing Will sell to El Paso Natural
Gas as soon as pipe line
The production for the first 24 hours was _____ barrels of fluid estimated % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 76,000 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. J. Jacobs, Driller John McCall, Driller
J. D. Smith, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1640</u>	<u>1640</u>	<u>Redbeds</u>
<u>1640</u>	<u>1760</u>	<u>120</u>	<u>Redbeds, Anhydrite</u>
<u>1760</u>	<u>3210</u>	<u>1450</u>	<u>Salt</u>
<u>3210</u>	<u>3305</u>	<u>95</u>	<u>Red shale and anhydrite</u>
<u>3305</u>	<u>3415</u>	<u>110</u>	<u>Dolomite and anhydrite</u>
<u>3415</u>	<u>3555</u>	<u>140</u>	<u>Dolomite, Sand and Anhydrite</u>
<u>3555</u>	<u>3680</u>	<u>125</u>	<u>Dolomite and anhydrite</u>
<u>3680</u>	<u>3695</u>	<u>15</u>	<u>Dolomite</u>
<u>3695</u>	<u>3780</u>	<u>85</u>	<u>Missing sample</u>

On initial test, flowed calculated open-flow potential of 76,000 MCF gas daily based on 8 hr. back-pressure test as follows:

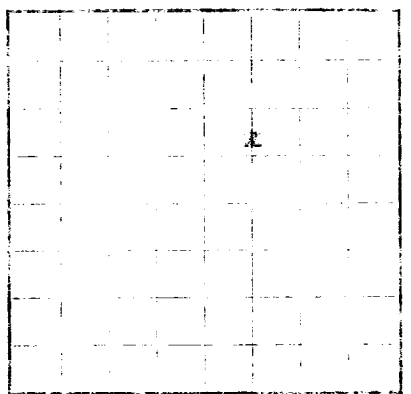
BACK PRESSURE TEST		
ORIFICE	BACK PRESSURE PSIA	VOLUME MCF
<u>1.750"</u>	<u>508.2</u>	<u>31,666</u>
<u>2.000"</u>	<u>470.2</u>	<u>38,860</u>
<u>2.250"</u>	<u>431.2</u>	<u>45,685</u>
<u>Deliverability at 550 PSI</u>		<u>20,000 MCF</u>
<u>Deliverability at 150 PSI</u>		<u>70,000 MCF</u>
<u>Shut in pressure</u>		<u>596.2 PSIA</u>

Well was not shot or acidized. Pay: Seven Rivers from 3703' to 3780', 7" casing was not perforated.

FOLD MARK

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Company _____
Location _____
The information given in this log is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Date _____

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

OIL OR GAS SANDS OR ZONES

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

Size per foot	Weight per foot	Length in feet	Mark	Amount	Kind of steel	Cut and galled down	Reinforced	Purpose

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, 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

WINDDING AND CEMENTING RECORD

Depth of well	Amount of mud used	Method used	Kind of mud	Kind of cement

PLUGS AND ADAPTERS

Adapter	Plug	Depth set

SHOOTING RECORD

Explosive used	Quantity	Date	Depth shot	Depth of shot out

TOOLS USED

Tool	Depth of tool	Depth of tool out

DATES

Date	Production	Notes

EMPLOYEES

Driller	Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION