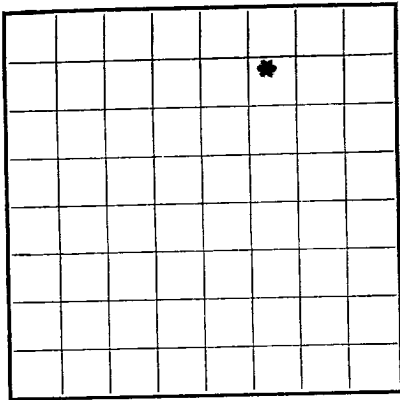


U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 063478 (b)

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
SEP 27 1958

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68, Hobbs, New Mexico  
Lessor or Tract Malco Refineries "D" Field Empire Abo State New Mexico  
Well No. 2 Sec. 10 T 18S R 27E Meridian N.M.P.M. County Rady  
Location 710 ft. NE of N Line and 1490 ft. E of E Line of Section 10 Elevation 3487 RDB  
(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 Production Foreman  
Date September 15, 1958

The summary on this page is for the condition of the well at above date.  
Commenced drilling August 1, 19 58 Finished drilling September 5, 19 58

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

No. 1, from 5650 to 5685 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>8-5/8</u>	<u>32</u>	<u>8</u>	<u>H-40</u>	<u>1004</u>	<u>Float</u>		<u>5650</u>	<u>5685</u>	<u>Surface</u>
<u>5-1/2</u>	<u>14</u>	<u>8</u>	<u>I-55</u>	<u>1500</u>	<u>Float</u>				<u>Oil String</u>
<u>2-3/8</u>	<u>4.7</u>	<u>8</u>	<u>I-55</u>	<u>871</u>					<u>1 1/2" hole per foot</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>1014</u>	<u>936</u>	<u>Hawco</u>		
<u>5-1/2</u>	<u>6030</u>	<u>150</u>	<u>Hawco</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 6030 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

~~Completed September 7~~, 19 ~~58~~ Put to producing September 5, 19 58  
The production for the first 24 hours was 72 barrels of fluid of which 100% was oil; \_\_\_\_\_%  
emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. 42.9  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

E. E. Foster, Driller Adam Locke, Driller  
J. W. Martin, Driller R. C. Sneed, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1311</u>	<u>0</u>	<u>No returns (Hole drilled dry.)</u>
<u>1311</u>	<u>1756</u>	<u>445</u>	<u>Lime</u>
<u>1756</u>	<u>1806</u>	<u>50</u>	<u>Lime and Shale</u>
<u>1806</u>	<u>2200</u>	<u>394</u>	<u>Lime, Gyp</u>
<u>2200</u>	<u>2501</u>	<u>301</u>	<u>Lime, Sand</u>
<u>2501</u>	<u>3504</u>	<u>1003</u>	<u>Lime</u>
<u>3504</u>	<u>3631</u>	<u>127</u>	<u>Lime, Shale</u>
<u>3631</u>	<u>3855</u>	<u>224</u>	<u>Lime</u>
<u>3855</u>	<u>4284</u>	<u>429</u>	<u>Lime and Sand</u>
<u>4284</u>	<u>4344</u>	<u>60</u>	<u>Lime, Dolomite</u>
<u>4344</u>	<u>4573</u>	<u>229</u>	<u>Lime</u>
<u>4573</u>	<u>5141</u>	<u>568</u>	<u>Lime and Sand</u>
<u>5141</u>	<u>5161</u>	<u>20</u>	<u>Lime, Chert</u>
<u>5161</u>	<u>5277</u>	<u>116</u>	<u>Lime and Sand</u>
<u>5277</u>	<u>5693</u>	<u>416</u>	<u>Lime, Chert</u>
<u>5693</u>	<u>6025</u>	<u>332</u>	<u>Sand</u>
<u>6025</u>	<u>6030</u>	<u>5</u>	<u>Lime</u>

TOPS  
Queen - 700  
San Andres - 1660  
Abo - 4440

**FORMATION RECORD—Continued**[illegible]

### HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

Perforated 5650' - 5685' with 4 shots per foot and acidized with 300 gallons of acid.