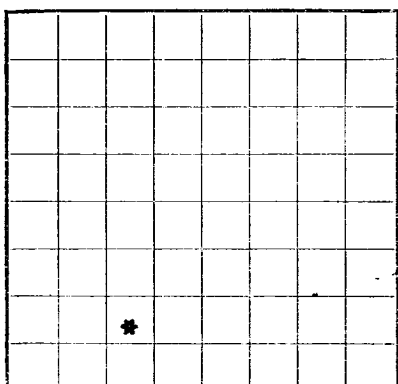


U. S. LAND OFFICE .....  
SERIAL NUMBER **LC-030180 (a)**  
LEASE OR PERMIT TO PROSPECT .....

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 68 - Hobbs, New Mexico**  
Lessor or Tract **C. M. Farnsworth "A"** Field **Jalmat-Oil** State **New Mexico**  
Well No. **9** Sec. **18** T. **26S** R. **32E** Meridian **NMPM** County **Lea**  
Location **660** ft. <sup>(N.)</sup><sub>(S.)</sub> of **S** Line and **1663.2** ft. <sup>(E.)</sup><sub>(W.)</sub> of **W** Line of **Sec. 18** Elevation **2971'** 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 .....

Date **September 11, 1963** Title **Area Superintendent**

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

Commenced drilling **8-9-63**, 19..... Finished drilling **8-15-63**, 19.....

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3215** to **3222** 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—	
<b>8-5/8"</b>	<b>24</b>	<b>8R</b>	<b>J-5</b>		<b>Guide</b>				<b>Surface</b>
<b>5-1/2"</b>	<b>15.5-20</b>	<b>8R-10V</b>	<b>J-55</b> <b>K-80</b> <b>LW</b>		<b>Guide</b>		<b>3215</b>	<b>3222</b>	<b>Oil String</b>

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8-5/8</b>	<b>318</b>	<b>125</b>	<b>Pump Plug</b>		
<b>5-1/2</b>	<b>3263</b>	<b>200</b>	<b>Pump Plug</b>		

## 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
<b>500</b>	<b>gallons acid</b>					

## TOOLS USED

Rotary tools were used from **0** feet to **3263'** feet, and from ..... feet to ..... feet  
Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

## DATES

**Completed 8-28-63**, 19..... Put to producing **8-20-63**, 19.....  
The production for the first 24 hours was **160** barrels of fluid of which **45**% was oil; .....%  
emulsion; **55**% water; and .....% sediment. Gravity, °Bé. ....  
If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....  
Rock pressure, lbs. per sq. in. ....

## EMPLOYEES

**J. R. Wootten** ..... Driller **- Cactus Drilling Co.** ..... Driller  
**Dale Proctor** ..... Driller **R. J. Chappell** ..... Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<b>0</b>	<b>215</b>	<b>215</b>	<b>Sand &amp; Red Bed</b>
<b>215</b>	<b>318</b>	<b>103</b>	<b>Red Bed</b>
<b>318</b>	<b>445</b>	<b>127</b>	<b>Sand</b>
<b>445</b>	<b>881</b>	<b>436</b>	<b>Sand, Red Bed</b>
<b>881</b>	<b>1269</b>	<b>388</b>	<b>Red Bed, Anhy</b>
<b>1269</b>	<b>2748</b>	<b>1479</b>	<b>Salt, Anhy</b>
<b>2748</b>	<b>2943</b>	<b>195</b>	<b>Anhy</b>
<b>2943</b>	<b>3263</b>	<b>320</b>	<b>Lime, Sand</b>
			<b>TOPS</b>
			<b>Anhy 1120</b>
			<b>Salt 1190</b>
			<b>Yates 2815</b>
			<b>Seven Rivers 3144</b>

## ECON

[illegible]

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

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$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

[illegible]