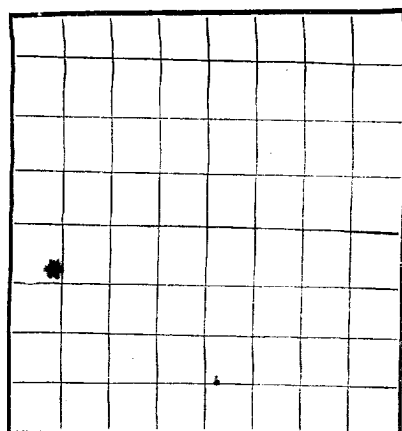


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032450 (A) (b)
LEASE OR PERMIT TO PROSPECT

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 Cortland Myer Field Jalisco-Langlie Matlin New Mexico
Well No. 13 Sec. 9 T. 24 R. 37 Meridian NMPM County Lea
Location 1980 ft. N. of S. Line and 660 ft. E. of W. Line of Sec. 9 Elevation 3270 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 Ralph J. HendricksonDate 8-8-57Title Field Superintendent

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

Commenced drilling 10-5, 1956 Finished drilling 10-23, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Oil) No. 1, from 3327 to 3653 No. 4, from _____ to _____
(Gas) No. 2, from 2724 to 3145 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 32.3</u>	<u>8</u>	<u>8</u>	<u>H-40</u>	<u>325</u>	<u>Float</u>				
<u>7 7/8 20</u>	<u>10</u>	<u>8</u>	<u>H-40</u>	<u>340</u>	<u>Float</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>333</u>	<u>350</u>	<u>Howco</u>		
<u>7</u>	<u>3697</u>	<u>1650</u>	<u>Howco</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 3697 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

(Gas) 6-13 1957
Date Completed 5-24 1957 Put to producing (Oil) 5-3, 1957

The production for the first 24 hours was 7 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 32°

If gas well, cu. ft. per 24 hours 2000 MCF Gallons gasoline per 1,000 cu. ft. of gas 0.232

Rock pressure, lbs. per sq. in. not available

EMPLOYEES

H. P. Mason, Driller K. L. Caddell, Driller
J. D. Snellings, Driller J. E. De Moss, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>330</u>	<u>330</u>	<u>Red bed shale, sand</u>
<u>330</u>	<u>1136</u>	<u>806</u>	<u>sand red bed</u>
<u>1136</u>	<u>1225</u>	<u>89</u>	<u>anhy. shale streaks</u>
<u>1225</u>	<u>1470</u>	<u>245</u>	<u>anhy.</u>
<u>1470</u>	<u>2088</u>	<u>618</u>	<u>salt anhy. streaks</u>
<u>2088</u>	<u>2584</u>	<u>496</u>	<u>anhy. salt & shale</u>
<u>2584</u>	<u>2635</u>	<u>51</u>	<u>anhy - shale</u>
<u>2635</u>	<u>2675</u>	<u>40</u>	<u>anhy - lime</u>
<u>2675</u>	<u>2740</u>	<u>65</u>	<u>lime and Gyp.</u>
<u>2740</u>	<u>2810</u>	<u>70</u>	<u>anhy., lime, sand</u>
<u>2810</u>	<u>2940</u>	<u>130</u>	<u>anhy., lime</u>
<u>2940</u>	<u>3000</u>	<u>60</u>	<u>lime and sand</u>
<u>3000</u>	<u>3270</u>	<u>270</u>	<u>lime</u>
<u>3270</u>	<u>3381</u>	<u>111</u>	<u>lime, Gyp and sand</u>
<u>3381</u>	<u>3465</u>	<u>84</u>	<u>lime - sandy lime</u>
<u>3465</u>	<u>3590</u>	<u>125</u>	<u>sandy lime</u>
<u>3590</u>	<u>3697</u>	<u>107</u>	<u>lime</u>

FROM—

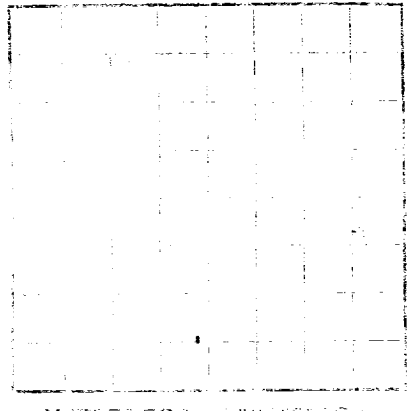
[OVER]

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company name and address, location of well, and other identifying information.

Notes on the well, including depth, time, and other measurements.

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