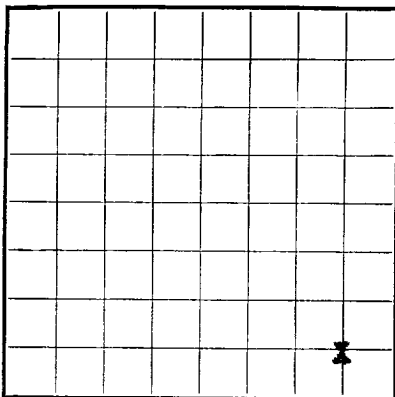


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER NM 025604
LEASE OR PERMIT TO PROSPECT _____

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 USA Malco Refineries "E" Field Empire Abo State New Mexico
Well No. 1 Sec. 3 T. 18S R. 27E Meridian NMPM County Eddy
Location 660 ft. ^(N.)_(S) of S Line and 660 ft. ^(E)_(W) of E Line of Sec. 3 Elevation 3506 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 R. E. Hauvickson Title Field SuperintendentDate October 9, 1958

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

Commenced drilling 9-8-58, 19____ Finished drilling 10-5-58, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5330 to 5370 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>24</u>	<u>8</u>	<u>J-55</u>	<u>987</u>	<u>Float</u>				<u>Surface</u>
<u>5 1/2</u>	<u>14</u>	<u>8</u>	<u>J-55</u>	<u>6139</u>	<u>Float</u>		<u>5330</u>	<u>5370</u>	<u>Oil String</u>
									<u>4 shots 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>993</u>	<u>600</u>	<u>Howco</u>		
<u>5 1/2</u>	<u>6108</u>	<u>225</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 6108 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed 10-6-58, 19____ Put to producing 10-5-58, 19____The production for the first 24 hours was 69 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 42°

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 J. W. Martin _____, Driller
Adam Locke _____, Driller R. C. Sneed _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>903</u>	<u>903</u>	<u>Red Bed</u>
<u>903</u>	<u>1083</u>	<u>180</u>	<u>Salt & Anhydrite</u>
<u>1083</u>	<u>1538</u>	<u>455</u>	<u>Anhydrite</u>
<u>1538</u>	<u>1650</u>	<u>112</u>	<u>Lime & Anhydrite</u>
<u>1650</u>	<u>1752</u>	<u>102</u>	<u>Lime</u>
<u>1752</u>	<u>2028</u>	<u>276</u>	<u>Lime & Anhydrite</u>
<u>2028</u>	<u>2560</u>	<u>532</u>	<u>Lime</u>
<u>2560</u>	<u>2676</u>	<u>116</u>	<u>Lime & Sand</u>
<u>2676</u>	<u>2938</u>	<u>262</u>	<u>Lime</u>
<u>2938</u>	<u>3204</u>	<u>266</u>	<u>Lime & Sand</u>
<u>3204</u>	<u>3858</u>	<u>654</u>	<u>Lime</u>
<u>3858</u>	<u>4005</u>	<u>147</u>	<u>Lime & Sand</u>
<u>4005</u>	<u>4602</u>	<u>597</u>	<u>Lime</u>
<u>4602</u>	<u>4775</u>	<u>173</u>	<u>Lime & Sand</u>
<u>4775</u>	<u>4847</u>	<u>72</u>	<u>Lime</u>
<u>4847</u>	<u>5155</u>	<u>308</u>	<u>Lime & Sand</u>
<u>5155</u>	<u>5300</u>	<u>145</u>	<u>Lime</u>
<u>5300</u>	<u>5378</u>	<u>78</u>	<u>Lime & Sand</u>
<u>5378</u>	<u>6108</u>	<u>730</u>	<u>Lime</u>

TOPS:
Queen 800
San Andres 1650
Abo 4440

FORMATION RECORD—Continued

[illegible]

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.

Performed 5350-5370 w/ 4 shots per foot and acidized with 500 gallons acid.