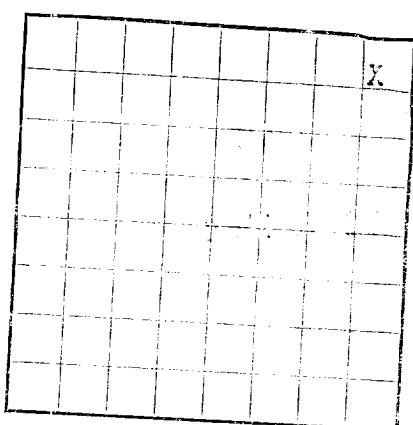


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER MMO 1177-4
LEASE OR PERMIT TO PROSPECT _____

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 Buffalo Federal Unit Field wildcat State New Mexico
Well No. 3 Sec. 33 T. 18 R. 33 Meridian N M P M County Lea
Location 660 ft. XX of N Line and 660 ft. XX of E Line of Sec. 33, T-18-S Elevation 3767
ft. S of W of E Line of Sec. 33, T-18-S (Derick 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.

Date February 27, 1957Signed _____
Title Production Foreman

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

Commenced drilling December 3, 1956 Finished drilling January 1, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from NONE to _____ 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>22.7</u>	<u>None</u>	<u>Armco</u>	<u>196</u>	<u>Howco</u>	<u>None</u>			<u>Surface Oil String</u>
<u>5-1/2</u>	<u>14</u>	<u>3RD</u>	<u>J-55</u>	<u>4528</u>	<u>Howco</u>	<u>None</u>	<u>4462</u>	<u>4484</u>	
							<u>4500</u>	<u>4510</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>210</u>	<u>200</u>	<u>Howco</u>		
<u>5-1/2</u>	<u>4540</u>	<u>2400</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 4540 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % 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

B. R. Haas, Driller L. E. Boss, Driller
J. L. Anderson, Driller F. C. Brown, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1051</u>	<u>1051</u>	<u>Red bed</u>
<u>1051</u>	<u>1213</u>	<u>162</u>	<u>Shells and red bed</u>
<u>1213</u>	<u>1340</u>	<u>127</u>	<u>Red bed and Anhy.</u>
<u>1340</u>	<u>1395</u>	<u>55</u>	<u>Red bed and shells</u>
<u>1395</u>	<u>1560</u>	<u>165</u>	<u>Anhy.</u>
<u>1560</u>	<u>2865</u>	<u>1305</u>	<u>Anhy. and Salt</u>
<u>2865</u>	<u>2918</u>	<u>53</u>	<u>Anhy. and Shale</u>
<u>2918</u>	<u>3040</u>	<u>122</u>	<u>Anhy., Gyp, and Shale</u>
<u>3040</u>	<u>3514</u>	<u>474</u>	<u>Anhy. and Gyp</u>
<u>3514</u>	<u>3550</u>	<u>36</u>	<u>Anhy.</u>
<u>3550</u>	<u>3695</u>	<u>145</u>	<u>Anhy. and Lime</u>
<u>3695</u>	<u>3927</u>	<u>232</u>	<u>Lime</u>
<u>3927</u>	<u>3960</u>	<u>33</u>	<u>Dolomite</u>
<u>3960</u>	<u>4540</u>	<u>580</u>	<u>Lime and Dolomite</u>

DST #1 4178-4245 Tool open 1 hr. slight blow air throughout test, Rec. 300' drl. mud,
no show oil or gas or water, Initial SIHPP failed due to leak, SIP 1250, Initial
FBHP 70%, Final FBHP 140%.

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.

HISTORY OF OIL OR GAS WELL

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stone, no shows.