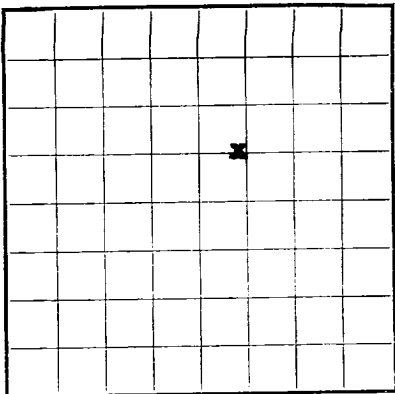


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 065478
LEASE OR PERMIT TO PROSPECT



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 "D" Field Empira Abo State New Mexico
Well No. 3 Sec. 10 T. 18S R. 27E Meridian NMPM County Eddy
Location 1980 ft. xxx of N Line and 1980 ft. xxx of E Line of Section 10 Elevation 3598
(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 May 25, 1959 Title Area Superintendent

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

Commenced drilling 9-29-58, 19____ Finished drilling 11-25, 1958
~~Well shut in pending further evaluation for completion by additional development on other leases in this field.~~
OIL OR GAS SANDS OR ZONES
(Denote gas by G)
No. 1, from _____ 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>24</u>	<u>8</u>	<u>J-55</u>	<u>986</u>	<u>Float</u>				<u>Surface</u>
<u>5-1/2</u>	<u>14</u>	<u>8</u>	<u>J-55</u>	<u>6075</u>	<u>Float</u>				<u>Oil String</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>790</u>	<u>770</u>	<u>HOWCO</u>		
<u>5-1/2</u>	<u>6045</u>	<u>150</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 Surface feet to 6071 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Shut in April 25, 1959 Put to producing Shut In, 19____
The production for the first 24 hours was None barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. None
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. J. Wright, Driller R. E. Miller, Driller
R. B. Sims, Driller W. P. Tadlock, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	420	420	Caliche TOPS
420	709	289	Anhy. San Andres 1725
709	781	72	Lime and Shale Abo 4565
781	1076	895	Lime and Anhy. Abo Reef 5869
1676	2040	364	Lime
2040	2430	390	Shale
2430	2733	303	Lime
2733	2821	88	Lime and Dolomite
2821	3696	275	Lime and Sand
3096	3770	674	Lime
3770	3850	80	Lime and Shale
3850	3916	66	Lime
3916	3948	32	Lime and Chert
3948	4310	362	Lime
4310	4357	47	Lime and Sand
4357	4676	319	Lime
4676	5035	359	Lime and Sand
5035	5044	9	Lime
5044	5090	46	Lime and Sand
5090	5107	17	Lime and Dolomite
5107	5131	24	Lime
5131	5268	137	Lime and Dolomite
5268	5298	30	Lime
5298	5326	28	Dolomite and Lime
5326	5355	29	Dolomite
5355	5395	40	Lime and Dolomite

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
5395	5473	78	Dolomite
5473	5512	39	Lime and Dolomite
5512	5533	21	Lime and Chert
5533	5608	75	Dolomite
5608	5617	9	Lime and Chert
5617	5676	58	Chert and Dolomite
5675	5772	97	Lime and Dolomite
5772	6040	268	Lime and Chert
6040	6071	31	Lime

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.

**Well drilled to a TD of 6071' and perforated 5968-94 with 4 shots per foot, acidized with 1500 gallons acid, recovered no production. Squeezed perforations 5968-94 with 100 sacks slo-set. Perforated 5984-6004 with 4 shots per foot, acidized with 1000 gallons acid, recovered no production. Squeezed perforations 5984-6004 with 200 sacks slo-set. Drilled plug to 6051 and acidized below shoe 6045-6051 with 1500 gallons acid, recovered no production. Drilled to 6071, set packet at 6010, recovered no production. Squeezed formation 6045-71 with 150 sacks slo set. Perforated 6010-30 with 4 shots per foot, acidized with 1000 gallons acid, recovered no production. Squeezed 6010-6030 with 100 sacks slo set. Perforated 5967-5978 with 4 shots per foot, acidized with 5000 gallons acid, recovered no production. Squeezed perforations 5967-78 with 100 sacks slo set. Perforated 5830-78 with 2 shots per ft., acidized with 10,000 gallons acid, recovered no production. Set Cast Iron at 5815 and capped with 1 sack cement. Perforated 5750-5800 with 2 shots per ft., acidized with 1000 gallons acid, followed by sand water frack with 40,000 gallons water containing 3/4 pound of sand per gallon, recovered no production. Well has been shut in pending further evaluation for completion by additional development on other leases in this field.