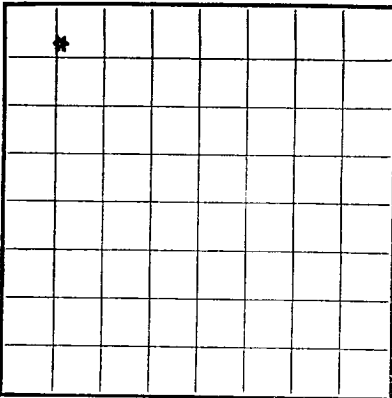


U. S. LAND OFFICE N.M.
SERIAL NUMBER 05646-A
LEASE OR PERMIT TO PROSPECT _____



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 Plains Unit Field Wildcat State New Mexico
Well No. 1 Sec. 27 T. 19S R. 32E Meridian NMPM County Lea
Location 660 ft. NE of N Line and 660 ft. NE of W Line of Section 27 Elevation 3607 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 October 24, 1962 Title Area Superintendent

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

Commenced drilling 7-21-62, 19____ Finished drilling 10-2-62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 13,004 to 13,010(g) 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>13-3/8" 48#</u>		<u>8R</u>	<u>H-40</u>	<u>500</u>	<u>Guide</u>				<u>Surface</u>
<u>9-5/8" 32.3-40#</u>		<u>8R</u>	<u>H-4, J-5 4544</u>		<u>Guide</u>				<u>Intermediate</u>
<u>5-1/2" 17-20#</u>		<u>8</u>	<u>N-8, J-5 13256</u>		<u>Guide</u>		<u>13,004</u>	<u>13,010 012</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement		Method used	Mud gravity	Amount of mud used
<u>13-3/8" 512</u>		<u>450</u>	<u>Circ.</u>	<u>Pump Plug</u>		
<u>9-5/8" 4532</u>		<u>3345</u>	<u>Circ.</u>	<u>Pump Plug</u>		
<u>5-1/2" 13160</u>		<u>790</u>		<u>Pump Plug</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
	<u>500 gal MCA</u>					

TOOLS USED

Rotary tools were used from 0 feet to 13,160 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed 10-19, 1962 Put to producing Potentialled 10-19, 1962

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 1420 MCFD-6A0F Gallons gasoline per 1,000 cu. ft. of gas 14,600

Rock pressure, lbs. per sq. in. _____ GOR _____

EMPLOYEES

Kenneth Moore, Driller Sharp Drilling Company, Driller
Joe Armstrong, Driller Edward W. Cox, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>512</u>	<u>512</u>	<u>Surface</u>
<u>512</u>	<u>1268</u>	<u>756</u>	<u>Red Bed</u>
<u>1268</u>	<u>1410</u>	<u>142</u>	<u>Red Bed Salt</u>
<u>1410</u>	<u>2068</u>	<u>658</u>	<u>Salt, Anhy</u>
<u>2068</u>	<u>2441</u>	<u>373</u>	<u>Anhy</u>
<u>2441</u>	<u>2670</u>	<u>229</u>	<u>Anhy, Salt</u>
<u>2670</u>	<u>3125</u>	<u>455</u>	<u>Anhy, Cyp</u>
<u>3125</u>	<u>4532</u>	<u>1407</u>	<u>Anhy, Lime</u>
<u>4532</u>	<u>4834</u>	<u>302</u>	<u>Lime</u>
<u>4834</u>	<u>5186</u>	<u>352</u>	<u>Sand, Lime</u>
<u>5186</u>	<u>5231</u>	<u>45</u>	<u>Lime</u>
<u>5231</u>	<u>5779</u>	<u>548</u>	<u>Lime, Sand</u>
<u>5779</u>	<u>6931</u>	<u>1152</u>	<u>Lime</u>
<u>6931</u>	<u>7306</u>	<u>375</u>	<u>Lime, Sand</u>
<u>7306</u>	<u>7420</u>	<u>114</u>	<u>Lime</u>
<u>7420</u>	<u>8515</u>	<u>1095</u>	<u>Lime, Sand</u>
<u>8515</u>	<u>8609</u>	<u>94</u>	<u>Lime, Sand, Shale, Chert</u>
<u>8609</u>	<u>8616</u>	<u>7</u>	<u>Lime, Sand</u>
<u>8616</u>	<u>8680</u>	<u>64</u>	<u>Lime, Sand, Shale</u>
<u>8680</u>	<u>9069</u>	<u>389</u>	<u>Lime, Sand</u>
<u>9069</u>	<u>9230</u>	<u>161</u>	<u>Lime, Sand, Shale</u>
<u>9230</u>	<u>9295</u>	<u>65</u>	<u>Lime, Shale</u>
<u>9295</u>	<u>10367</u>	<u>1102</u>	<u>Lime, Sand</u>
<u>10367</u>	<u>10464</u>	<u>97</u>	<u>Lime, Sand, Shale</u>
<u>10464</u>	<u>10537</u>	<u>73</u>	<u>Lime, Sand</u>
<u>10537</u>	<u>10592</u>	<u>55</u>	<u>Lime, Sand, Shale</u>

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
10592	10672	80	Lime, sand
10720	10736	16	Lime, sand
10736	10765	29	Lime, shale, sand
10765	10909	144	Lime, shale
10909	11016	107	Lime
11016	11069	453	Lime, shale
11069	11462	13	Lime, shale, chert
11462	11557	75	Chert, lime
11557	11575	18	Lime, chert, sand
11575	1165	410	Lime, chert
1165	11698	533	Lime
11698	11723	25	Lime, chert
11723	11744	21	Lime, chert, shale
11744	11745	1	Lime, chert
11745	11892	147	Lime, shale
11892	11962	70	Lime, shale, sand
11962	11990	28	Shale
11990	12032	42	Shale, sand
12032	12256	224	Shale
12256	12271	15	Lime, shale
12271	12299	28	Lime, sand
12299	12717	418	Lime, shale
12717	12720	3	Lime, chert
12720	12750	30	Lime, shale
12750	12795	45	Lime, shale, sand
12795	12857	62	Lime, shale, sand
12857	12885	28	Lime, shale, sand
12885	13144	259	Lime, shale
13144	13160	16	Shale

DRILL STEM TESTS

See attached

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, 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

U. S. GOVERNMENT PRINTING OFFICE 18-43084-2