

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 062112

LEASE OR PERMIT TO PROSPECT

RECEIVED

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

DEC 23 1959

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 66 - Hobbs, N.M.Lessor or Tract Malco Refineries, Inc. Field Empire Abo State New MexicoWell No. 12 Sec. 1 T. 18S R. 27E Meridian NMPM County RadyLocation 959.04 ft. of S Line and 1644.42 ft. of W Line of Section 1 (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.

Original Signed by
J. W. BROWNDate December 16, 1959 Title Area Superintendent

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

Commenced drilling 11-8, 1959 Finished drilling 12-5, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6065 to 6162 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	Length	Amount	Kind of shoe	Cut and pulled from	From	To	Purpose
8-5/8"	21.5	8	100	100	100	100	100	100	100
4-1/2"	11.5	8	100	100	100	100	100	100	100

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1469	Circulated	Pump-Plug		
4-1/2"	6174	850	Pump-Plug		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing December 7, 1959

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

emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 97If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 42°

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

R. O. Blackledge, Driller H. L. Boutler, DrillerAdam Locke, Driller R. C. Sneed, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	296	296	Surface - Red Bed
296	556	260	Red Bed, Gyp and Anhy
556	1048	492	Gyp., Anhy.
1048	1076	28	Anhy.
1076	1470	394	Anhy.Gyp
1470	4170	2700	Lime
4170	4286	116	Lime and Sand
4286	5074	788	Lime
5074	6152	1078	Dolo., Lime
6152	6174 TD	22	Lime

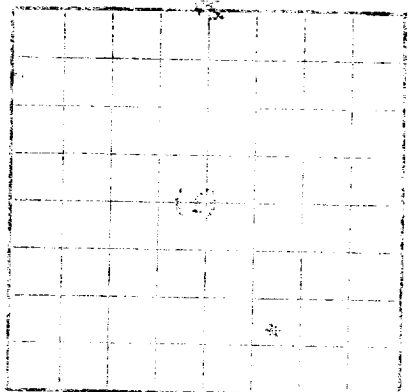
TOPS
San Andres 1955'
Glorieta 3500'
Abo Reef 6035'

FORMATION RECORD—Continued

U. S. Geological Survey
Geological Survey
Bureau of Land Management
Department of the Interior

RECEIVED
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
U. S. GEOLOGICAL SURVEY
ARRESTA, OFFICE

LOG OF OIL OR GAS WELL



Company: Pan American Petroleum Corporation
Location: T. 12S. R. 23E. S. 12E. Sec. 12, T. 12S. R. 23E. S. 12E. Sec. 12
State: New Mexico
County: Eddy
Field: Eddy
Address: Box 68 - Hobbs, N.M.
Elevation: _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed: _____
Date: December 12, 1959

The summary on this page is for the condition of the well at above date.
Completed drilling: _____
Finished drilling: _____
Commenced drilling: _____

OIL OR GAS SANDS OR ZONES

(Sand is given by (C))
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

Estimated at _____
In 24 hours, 8/64" choke CIP - 10 (M) 114 750 GOR 923
On potential test, well flowed 47 NO. 3 BW, 50.7 MCFG
Development well. Top of 1964. 100. 3621 MBS
TO 4167. 100. 3621 MBS
TO 4167. 100. 3621 MBS

This is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, casing, and reasons for the work and its results. If there were any changes made in the casing, state why, and if any casing was plugged or left in the well, give size and location. If the well has been dynamited, give date, size, position, and results of pumping or balling. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

FORMATION RECORD		FORMATION RECORD		FORMATION RECORD		FORMATION RECORD	
FROM	TO	FORMATION	FORMATION	FROM	TO	FORMATION	FORMATION
0	100	Shale	Shale	0	100	Shale	Shale
100	200	Shale	Shale	100	200	Shale	Shale
200	300	Shale	Shale	200	300	Shale	Shale
300	400	Shale	Shale	300	400	Shale	Shale
400	500	Shale	Shale	400	500	Shale	Shale
500	600	Shale	Shale	500	600	Shale	Shale
600	700	Shale	Shale	600	700	Shale	Shale
700	800	Shale	Shale	700	800	Shale	Shale
800	900	Shale	Shale	800	900	Shale	Shale
900	1000	Shale	Shale	900	1000	Shale	Shale
1000	1100	Shale	Shale	1000	1100	Shale	Shale
1100	1200	Shale	Shale	1100	1200	Shale	Shale
1200	1300	Shale	Shale	1200	1300	Shale	Shale
1300	1400	Shale	Shale	1300	1400	Shale	Shale
1400	1500	Shale	Shale	1400	1500	Shale	Shale
1500	1600	Shale	Shale	1500	1600	Shale	Shale
1600	1700	Shale	Shale	1600	1700	Shale	Shale
1700	1800	Shale	Shale	1700	1800	Shale	Shale
1800	1900	Shale	Shale	1800	1900	Shale	Shale
1900	2000	Shale	Shale	1900	2000	Shale	Shale
2000	2100	Shale	Shale	2000	2100	Shale	Shale
2100	2200	Shale	Shale	2100	2200	Shale	Shale
2200	2300	Shale	Shale	2200	2300	Shale	Shale
2300	2400	Shale	Shale	2300	2400	Shale	Shale
2400	2500	Shale	Shale	2400	2500	Shale	Shale
2500	2600	Shale	Shale	2500	2600	Shale	Shale
2600	2700	Shale	Shale	2600	2700	Shale	Shale
2700	2800	Shale	Shale	2700	2800	Shale	Shale
2800	2900	Shale	Shale	2800	2900	Shale	Shale
2900	3000	Shale	Shale	2900	3000	Shale	Shale
3000	3100	Shale	Shale	3000	3100	Shale	Shale
3100	3200	Shale	Shale	3100	3200	Shale	Shale
3200	3300	Shale	Shale	3200	3300	Shale	Shale
3300	3400	Shale	Shale	3300	3400	Shale	Shale
3400	3500	Shale	Shale	3400	3500	Shale	Shale
3500	3600	Shale	Shale	3500	3600	Shale	Shale
3600	3700	Shale	Shale	3600	3700	Shale	Shale
3700	3800	Shale	Shale	3700	3800	Shale	Shale
3800	3900	Shale	Shale	3800	3900	Shale	Shale
3900	4000	Shale	Shale	3900	4000	Shale	Shale
4000	4100	Shale	Shale	4000	4100	Shale	Shale
4100	4200	Shale	Shale	4100	4200	Shale	Shale
4200	4300	Shale	Shale	4200	4300	Shale	Shale
4300	4400	Shale	Shale	4300	4400	Shale	Shale
4400	4500	Shale	Shale	4400	4500	Shale	Shale
4500	4600	Shale	Shale	4500	4600	Shale	Shale
4600	4700	Shale	Shale	4600	4700	Shale	Shale
4700	4800	Shale	Shale	4700	4800	Shale	Shale
4800	4900	Shale	Shale	4800	4900	Shale	Shale
4900	5000	Shale	Shale	4900	5000	Shale	Shale
5000	5100	Shale	Shale	5000	5100	Shale	Shale
5100	5200	Shale	Shale	5100	5200	Shale	Shale
5200	5300	Shale	Shale	5200	5300	Shale	Shale
5300	5400	Shale	Shale	5300	5400	Shale	Shale
5400	5500	Shale	Shale	5400	5500	Shale	Shale
5500	5600	Shale	Shale	5500	5600	Shale	Shale
5600	5700	Shale	Shale	5600	5700	Shale	Shale
5700	5800	Shale	Shale	5700	5800	Shale	Shale
5800	5900	Shale	Shale	5800	5900	Shale	Shale
5900	6000	Shale	Shale	5900	6000	Shale	Shale
6000	6100	Shale	Shale	6000	6100	Shale	Shale
6100	6200	Shale	Shale	6100	6200	Shale	Shale
6200	6300	Shale	Shale	6200	6300	Shale	Shale
6300	6400	Shale	Shale	6300	6400	Shale	Shale
6400	6500	Shale	Shale	6400	6500	Shale	Shale
6500	6600	Shale	Shale	6500	6600	Shale	Shale
6600	6700	Shale	Shale	6600	6700	Shale	Shale
6700	6800	Shale	Shale	6700	6800	Shale	Shale
6800	6900	Shale	Shale	6800	6900	Shale	Shale
6900	7000	Shale	Shale	6900	7000	Shale	Shale
7000	7100	Shale	Shale	7000	7100	Shale	Shale
7100	7200	Shale	Shale	7100	7200	Shale	Shale
7200	7300	Shale	Shale	7200	7300	Shale	Shale
7300	7400	Shale	Shale	7300	7400	Shale	Shale
7400	7500	Shale	Shale	7400	7500	Shale	Shale
7500	7600	Shale	Shale	7500	7600	Shale	Shale
7600	7700	Shale	Shale	7600	7700	Shale	Shale
7700	7800	Shale	Shale	7700	7800	Shale	Shale
7800	7900	Shale	Shale	7800	7900	Shale	Shale
7900	8000	Shale	Shale	7900	8000	Shale	Shale
8000	8100	Shale	Shale	8000	8100	Shale	Shale
8100	8200	Shale	Shale	8100	8200	Shale	Shale
8200	8300	Shale	Shale	8200	8300	Shale	Shale
8300	8400	Shale	Shale	8300	8400	Shale	Shale
8400	8500	Shale	Shale	8400	8500	Shale	Shale
8500	8600	Shale	Shale	8500	8600	Shale	Shale
8600	8700	Shale	Shale	8600	8700	Shale	Shale
8700	8800	Shale	Shale	8700	8800	Shale	Shale
8800	8900	Shale	Shale	8800	8900	Shale	Shale
8900	9000	Shale	Shale	8900	9000	Shale	Shale
9000	9100	Shale	Shale	9000	9100	Shale	Shale
9100	9200	Shale	Shale	9100	9200	Shale	Shale
9200	9300	Shale	Shale	9200	9300	Shale	Shale
9300	9400	Shale	Shale	9300	9400	Shale	Shale
9400	9500	Shale	Shale	9400	9500	Shale	Shale
9500	9600	Shale	Shale	9500	9600	Shale	Shale
9600	9700	Shale	Shale	9600	9700	Shale	Shale
9700	9800	Shale	Shale	9700	9800	Shale	Shale
9800	9900	Shale	Shale	9800	9900	Shale	Shale
9900	10000	Shale	Shale	9900	10000	Shale	Shale