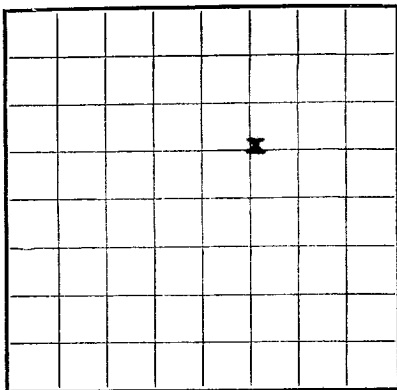




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC 029393 (a)
LEASE OR PERMIT TO PROSPECT

FEB 10 1958

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
FEB 6 1958
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68, Hobbs, New Mexico
Lessor or Tract Greenwood Unit Field Undesignated State New Mexico
Well No. 2 Sec. 34 T. 18S R. 31E Meridian NMPM County Eddy
Location 1980 ft. N of No. Line and 1980 ft. E of Ea. Line of Sec. 34 Elevation 3649
(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 Ralph Neundorfer

Date 1-28-58 Title Field Superintendent

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

Commenced drilling 8-13, 19 57 Finished drilling 1-8, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 10912 to 11438 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>16</u>	<u>62.58</u>	<u>Slip jt.</u>	<u>A.O. Smith</u>	<u>770</u>	<u>Float</u>				<u>Surface</u>
<u>10-3/4</u>	<u>43.94</u>	<u>8</u>	<u>A.O. Smith</u>	<u>1938</u>	<u>Float</u>				<u>Intermediate</u>
<u>7</u>	<u>22.80</u>	<u>8</u>	<u>A.O. Smith</u>	<u>1938</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>16</u>	<u>785</u>	<u>2000</u>	<u>Howco</u>		
<u>10-3/4</u>	<u>4394</u>	<u>1735</u>	<u>Howco</u>		
<u>7</u>	<u>12780</u>	<u>770</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 12,925 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed 1-27, 19 58 Put to producing 1-27, 19 58

The production for the first 24 hours was *280 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 60°

If gas well, cu. ft. per 24 hours 6640 Gallons gasoline per 1,000 cu. ft. of gas 1.77

Rock pressure, lbs. per sq. in. 4770 *distillate

EMPLOYEES

G. G. Williams, Driller L. W. Dewees, Driller
G. L. Orr, Driller P. C. Holland, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	120	120	Red Bed
120	303	183	Anhy - red bed
303	453	150	Anhy - sandy lime
453	885	432	Anhy - sand
885	2374	1489	Anhy - Salt
2374	2642	268	Anhy - gypsum
2642	3363	721	Lime - gyp
3363	3660	297	Lime - sand
3660	3732	72	Lime - sand
3732	3904	172	Sandy shale
3904	4365	461	Lime - shale
4365	4752	387	Lime - shale
4752	4795	43	Lime - Chert
4795	4933	138	Lime - Shale
4933	5001	68	Lime - Shale
5001	5064	63	Shale - Lime - Shale
5064	5209	145	Lime - Dolomite - Shale
5209	5212	3	Lime - Dolomite - Shale
5212	5568	356	Lime - Shale
5568	6044	476	Sandy Lime
6044	6162	118	Lime - Shale
6162	6391	229	Lime - Shale
6391	6478	87	Lime - Dolomite
6478	6644	166	Lime - Shale
6644	7360	716	Sand - Lime - Shale

FORMATION RECORD—Continued

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

COLEMAN CORP.

The amount on the record for the year 1901 is \$1,000.00.

This is a true and correct copy of the original.

Date _____

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CONFIDENTIAL

(c) $\mu = 1.8 \times 10^6$	(d) $\mu = 1.9 \times 10^6$
A plot of normalized velocity u versus time t. The y-axis ranges from 0.5 to 1.0, and the x-axis ranges from 0 to 1.0. The curve starts at $(0, 0.55)$, rises steeply to $(0.5, 0.95)$, and then levels off near $u = 1.0$.	A plot of normalized velocity u versus time t. The y-axis ranges from 0.5 to 1.0, and the x-axis ranges from 0 to 1.0. The curve starts at $(0, 0.55)$, rises steeply to $(0.5, 0.95)$, and then levels off near $u = 1.0$.

1997-1998

[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 undrilled, 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 piers 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD				
Well No.	Depth	Time	Remarks	Notes
1	100	10:00	100	100
2	200	20:00	200	200
3	300	30:00	300	300
4	400	40:00	400	400
5	500	50:00	500	500
6	600	60:00	600	600
7	700	70:00	700	700
8	800	80:00	800	800
9	900	90:00	900	900
10	1000	100:00	1000	1000

5011 401A 401A 2111 2111

1. Name of the person or organization 2. Address 3. City 4. State 5. Zip 6. Telephone 7. Fax 8. E-mail 9. Other	1. Name of the person or organization 2. Address 3. City 4. State 5. Zip 6. Telephone 7. Fax 8. E-mail 9. Other
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SECRET

[illegible][illegible]

at 1991	most had from	at 1991	most had from
at 1991	most had from	at 1991	most had from

RESULTS

[illegible][illegible][illegible]

Plugged back from 12,925 to 11,665 and reduced the
7 spots for 1967. With 1505 and 1506 of 1967.

[illegible]

occasional shale partings, slight gas odor. 8-1/2' back to grey very micaceous, slightly micaceous, slightly micaceous, they are to black shale, 1'

[illegible][illegible]

FORMATION RECORD—Continued