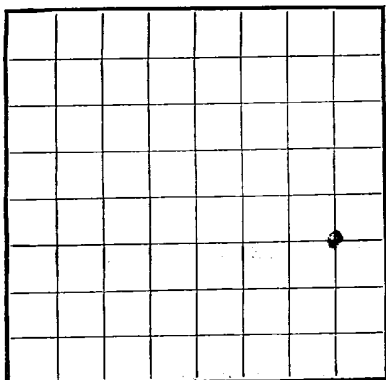


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 069540
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Warren Petroleum Corp., Oil Div. Address Drawer H Seminole, Texas
Lessor or Tract Federal-Heep Field Wildcat State New Mexico
Well No. 1 Sec. 12 T. 9-S R. 37-E Meridian NM County Lea
Location 1992 ft. N of 8 Line and 642 ft. E of 8 Line of Sec. 12 Elevation 3994
(Denote floor relating 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 J. H. Wolfe
Date January 21, 1956 Title Regional Manager

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

Commenced drilling September 29, 1955 Finished drilling January 1, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4960 to 4950 No. 4, from _____ to _____
No. 2, from 11660 to 11723 No. 5, from _____ to _____
No. 3, from 11751 to 11812 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</u>	<u>35.62</u>	<u>8</u>	<u>Arco</u>	<u>264</u>	<u>None</u>	<u>None</u>			<u>Surface</u>
<u>9 5/8</u>	<u>26.10</u>	<u>8</u>	<u>Arco</u>	<u>1000</u>	<u>None</u>	<u>None</u>			<u>Intermediate</u>
<u>7</u>	<u>19.63</u>	<u>8</u>	<u>Arco</u>	<u>1000</u>	<u>None</u>	<u>None</u>			<u>Production</u>
HISTORICAL RECORD OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8</u>	<u>373</u>	<u>400</u>	<u>Halliburton</u>		
<u>9 5/8</u>	<u>4370</u>	<u>2200</u>	<u>Halliburton</u>		
<u>7</u>	<u>4963</u>	<u>328</u>	<u>Halliburton</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 11812 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 19, 1956 Put to producing Dry Hole, 19____
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

McCartney, Driller J. D. Ramsey, Driller
D. Blue, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>373</u>	<u>373</u>	<u>Sand, Caliche, Shell</u>
<u>373</u>	<u>2365</u>	<u>1992</u>	<u>Red Bed</u>
<u>2365</u>	<u>2592</u>	<u>227</u>	<u>Anhydrite</u>
<u>2592</u>	<u>3779</u>	<u>1187</u>	<u>Salt & Anhydrite</u>
<u>3779</u>	<u>4009</u>	<u>230</u>	<u>Anhydrite</u>
<u>4009</u>	<u>4243</u>	<u>234</u>	<u>Lime & Anhydrite</u>
<u>4243</u>	<u>7736</u>	<u>3493</u>	<u>Lime</u>
<u>7736</u>	<u>8648</u>	<u>912</u>	<u>Shale & Lime</u>
<u>8648</u>	<u>9177</u>	<u>529</u>	<u>Lime & Shale</u>
<u>9177</u>	<u>11280</u>	<u>2103</u>	<u>Shale & Lime</u>
<u>11280</u>	<u>11342</u>	<u>62</u>	<u>Lime & Sand</u>
<u>11342</u>	<u>11396</u>	<u>54</u>	<u>Lime & Shale</u>
<u>11396</u>	<u>11484</u>	<u>88</u>	<u>Lime</u>
<u>11484</u>	<u>11507</u>	<u>23</u>	<u>Lime & Chert</u>
<u>11507</u>	<u>11722</u>	<u>215</u>	<u>Lime</u>
<u>11722</u>	<u>11774</u>	<u>52</u>	<u>Lime & Shale</u>
<u>11774</u>	<u>11812</u>	<u>38</u>	<u>Lime - TOTAL DEPTH</u>

HISTORY OF OIL OR GAS WELL

Core #1: 11,643-11,703 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #2: 11,723-11,764 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #3: 11,774-11,774 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #4: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #5: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #6: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #7: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #8: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #9: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

Core #10: 11,774-11,812 feet, open 1 hour, 1000 feet of water blanketed, 5/8" x 1" chokes, opened with weak blow of air and closed in 10 minutes, recovered 1000 feet of water blanketed, 30 feet of oil and gas, flowing pressure 495-495 pounds, 15 minutes shut in pressure 495-495 pounds.

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SLOPE TESTS		LOGICAL DATA		CORES	
FROM-	TO-	THICKNESS	PERCENTAGE	DEPTH	PERCENTAGE
100	100	1/4	1	11,643	11,661
373	373	1/2	1	11,723	11,723
830	830	1/4	1	11,751	11,751
1099	1099	0	0	11,773	11,773
1270	1270	0	0	11,795	11,795
1400	1400	1/4	1	11,812	11,812
1457	1457	1/2	1	11,834	11,834
1550	1550	1/4	1	11,856	11,856
1649	1649	3/4	1	11,878	11,878
1792	1792	1/2	1	11,900	11,900
1976	1976	2 1/4	1	11,922	11,922
2156	2156	1 1/4	1	11,944	11,944
2350	2350	1 1/4	1	11,966	11,966
2550	2550	1 1/4	1	11,988	11,988
2750	2750	1 1/4	1	12,010	12,010
2950	2950	1 1/4	1	12,032	12,032
3150	3150	1 1/4	1	12,054	12,054
3350	3350	1 1/4	1	12,076	12,076
3550	3550	1 1/4	1	12,098	12,098
3750	3750	1 1/4	1	12,120	12,120
3950	3950	1 1/4	1	12,142	12,142
4150	4150	1 1/4	1	12,164	12,164
4350	4350	1 1/4	1	12,186	12,186
4550	4550	1 1/4	1	12,208	12,208
4750	4750	1 1/4	1	12,230	12,230
4950	4950	1 1/4	1	12,252	12,252
5150	5150	1 1/4	1	12,274	12,274
5350	5350	1 1/4	1	12,296	12,296
5550	5550	1 1/4	1	12,318	12,318
5750	5750	1 1/4	1	12,340	12,340
5950	5950	1 1/4	1	12,362	12,362
6150	6150	1 1/4	1	12,384	12,384
6350	6350	1 1/4	1	12,406	12,406
6550	6550	1 1/4	1	12,428	12,428
6750	6750	1 1/4	1	12,450	12,450
6950	6950	1 1/4	1	12,472	12,472
7150	7150	1 1/4	1	12,494	12,494
7350	7350	1 1/4	1	12,516	12,516
7550	7550	1 1/4	1	12,538	12,538
7750	7750	1 1/4	1	12,560	12,560
7950	7950	1 1/4	1	12,582	12,582
8150	8150	1 1/4	1	12,604	12,604
8350	8350	1 1/4	1	12,626	12,626
8550	8550	1 1/4	1	12,648	12,648
8750	8750	1 1/4	1	12,670	12,670
8950	8950	1 1/4	1	12,692	12,692
9150	9150	1 1/4	1	12,714	12,714
9350	9350	1 1/4	1	12,736	12,736
9550	9550	1 1/4	1	12,758	12,758
9750	9750	1 1/4	1	12,780	12,780
9950	9950	1 1/4	1	12,802	12,802
10150	10150	1 1/4	1	12,824	12,824
10350	10350	1 1/4	1	12,846	12,846
10550	10550	1 1/4	1	12,868	12,868
10750	10750	1 1/4	1	12,890	12,890
10950	10950	1 1/4	1	12,912	12,912
11150	11150	1 1/4	1	12,934	12,934
11350	11350	1 1/4	1	12,956	12,956
11550	11550	1 1/4	1	12,978	12,978
11750	11750	1 1/4	1	13,000	13,000
11950	11950	1 1/4	1	13,022	13,022
12150	12150	1 1/4	1	13,044	13,044
12350	12350	1 1/4	1	13,066	13,066
12550	12550	1 1/4	1	13,088	13,088
12750	12750	1 1/4	1	13,110	13,110
12950	12950	1 1/4	1	13,132	13,132
13150	13150	1 1/4	1	13,154	13,154
13350	13350	1 1/4	1	13,176	13,176
13550	13550	1 1/4	1	13,198	13,198
13750	13750	1 1/4	1	13,220	13,220
13950	13950	1 1/4	1	13,242	13,242
14150	14150	1 1/4	1	13,264	13,264
14350	14350	1 1/4	1	13,286	13,286
14550	14550	1 1/4	1	13,308	13,308
14750	14750	1 1/4	1	13,330	13,330
14950	14950	1 1/4	1	13,352	13,352
15150	15150	1 1/4	1	13,374	13,374
15350	15350	1 1/4	1	13,396	13,396
15550	15550	1 1/4	1	13,418	13,418
15750	15750	1 1/4	1	13,440	13,440
15950	15950	1 1/4	1	13,462	13,462
16150	16150	1 1/4	1	13,484	13,484
16350	16350	1 1/4	1	13,506	13,506
16550	16550	1 1/4	1	13,528	13,528
16750	16750	1 1/4	1	13,550	13,550
16950	16950	1 1/4	1	13,572	13,572
17150	17150	1 1/4	1	13,594	13,594
17350	17350	1 1/4	1	13,616	13,616
17550	17550	1 1/4	1	13,638	13,638
17750	17750	1 1/4	1	13,660	13,660
17950	17950	1 1/4	1	13,682	13,682
18150	18150	1 1/4	1	13,704	13,704
18350	18350	1 1/4	1	13,726	13,726
18550	18550	1 1/4	1	13,748	13,748
18750	18750	1 1/4	1	13,770	13,770
18950	18950	1 1/4	1	13,792	13,792
19150	19150	1 1/4	1	13,814	13,814
19350	19350	1 1/4	1	13,836	13,836
19550	19550	1 1/4	1	13,858	13,858
19750	19750	1 1/4	1	13,880	13,880
19950	19950	1 1/4	1	13,902	13,902
20150	20150	1 1/4	1	13,924	13,924
20350	20350	1 1/4	1	13,946	13,946
20550	20550	1 1/4	1	13,968	13,968
20750	20750	1 1/4	1	13,990	13,990
20950	20950	1 1/4	1	14,012	14,012
21150	21150	1 1/4	1	14,034	14,034
21350	21350	1 1/4	1	14,056	14,056
21550	21550	1 1/4	1	14,078	14,078
21750	21750	1 1/4	1	14,100	14,100
21950	21950	1 1/4	1	14,122	14,122
22150	22150	1 1/4	1	14,144	14,144
22350	22350	1 1/4	1	14,166	14,166
22550	22550	1 1/4	1	14,188	14,188
22750	22750	1 1/4	1	14,210	14,210
22950	22950	1 1/4	1	14,232	14,232
23150	23150	1 1/4	1	14,254	14,254
23350	23350	1 1/4	1	14,276	14,276
23550	23550	1 1/4	1	14,298	14,298
23750	23750	1 1/4	1	14,320	14,320
23950	23950	1 1/4	1	14,342	14,342
24150	24150	1 1/4	1	14,364	14,364
24350	24350	1 1/4	1	14,386	14,386
24550	24550	1 1/4	1	14,408	14,408
24750	24750	1 1/4	1	14,430	14,430
24950	24950	1 1/4	1	14,452	14,452
25150	25150	1 1/4	1	14,474	14,474
25350	25350	1 1/4	1	14,496	14,496
25550	25550	1 1/4	1	14,518	14,518
25750	25750	1 1/4	1	14,540	14,540
25950	25950	1 1/4	1	14,562	14,562
26150	26150	1 1/4	1	14,584	14,584
26350	26350	1 1/4	1	14,606	14,606
26550	26550	1 1/4	1	14,628	14,628
26750	26750	1 1/4	1	14,650	14,650
26950	26950	1 1/4	1	14,672	14,672
27150	27150	1 1/4	1	14,694	14,694
27350	27350	1 1/4	1	14,716	14,716
27550	27550	1 1/4	1	14,738	14,738
27750	27750	1 1/4	1	14,760	14,760
27950	27950	1 1/4	1	14,782	14,782
28150	28150	1 1/4	1	14,804	14,804
28350	28350	1 1/4	1	14,826	14,826
28550	28550	1 1/4	1	14,848	14,848
28750	28750	1 1/4	1	14,870	14,870
28950	28950	1 1/4	1	14,892	14,892
29150	29150	1 1/4	1	14,914	14,914
29350	29350	1 1/4	1	14,936	14,936
29550	29550	1 1/4	1	14,958	14,958
29750	29750	1 1/4	1	14,980	14,980
29950	29950	1 1/4	1	15,002	15,002
30150	30150	1 1/4	1	15,024	15,024
30350	30350	1 1/4	1	15,046	15,046
30550	30550	1 1/4	1	15,068	15,068
30750	30750	1 1/4	1	15,090	15,090
30950	30950	1 1/4	1	15,112	15,112
31150	31150	1 1/4	1	15,134	15,134
31350	31350	1 1/4	1	15,156	15,156
31550	31550	1 1/4	1	15,178	15,178

First Plug Back from 11,812 to 4932'. Spotted 50 sacks cement.
25 sacks from 10,000 to 9913 and 50 sacks from 5030 to

PERFORATIONS: 4860-4900 feet with 4 shots per foot.
COMPLETION : Well was swabbed with no initial production, well was treated
with 21,000 gallons 15% acid thru perforations at 4860-4900 in three
After swabbing well for 5 days, recovered acid water, salt water with tra-
sulphur and very little oil.

PLUGGED AND ABANDONED January 19, 1956.

SECOND PLUG BACK from 4932 to Surface. Spotted 25 sacks cement 4910 to 4810,
which covered perforations from 4860 to 4900. 25 sacks from
1350 to 1300 and 50 sacks from surface to 100' below
surface with 4" pipe cemented in top of hole and extending 4' above
ground surface with necessary marker.



First Plug Back from 11,812 to 4932'. Spotted 50 sacks cement from 11,812 to 11,662, 25 sacks from 10,000 to 9913 and 50 sacks from 5030 to 4963.

PERFORATIONS: 4860-4900 feet with 4 shots per foot.

COMPLETION : Well was swabbed with no initial production, well was treated & acidised with 21,000 gallons 15% acid thru perforations at 4860-4900 in three Stages. After swabbing well for 5 days, recovered acid water, salt water with trace of sulphur and very little oil.

PLUGGED AND ABANDONED January 19, 1956.

SECOND PLUG BACK from 4932 to Surface. Spotted 25 sacks cement 4910 to 4810, which covered perforations from 4860 to 4900. 25 sacks from 1350 to 1300 and 50 sacks from surface to 100' below surface with 4" pipe cemented in top of hole and extending 4' above ground surface with necessary marker.

