

U. S. LAND OFFICE

SERIAL NUMBER **LC-067988**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Mexible Oil & Refining Company** Address **Box 2347, Hobbs, New Mexico**
Lessor or Tract **Paternal K&A** Field **West Dolarbide** State **New Mexico**
Well No. **1** Sec. **18** T. **24S** R. **30E** Meridian **Clearfork** County **Lea**
Location **660** ft. **N** of **3** Line and **1980** ft. **W** of **1** Line of **Section 18** Elevation **3174** Gr.
(Denote depth 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

Title **Agent**Date **November 18, 1957**

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

Commenced drilling **7-4-57**, 19 Finished drilling **8-13-57**, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6750** to **6790** 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—	
11-3/4	42	8R STC	-	282.03	Howco	-			Surface
8-5/8	32	8R STC	-	3298.30	Larkin	-			Intermediate
5-1/2	15.5, 14	8R STC	-	6806.20	Baker	3175			Oil
17									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
11-3/4	296	250	Halliburton	-	-
8-5/8	3312	2300	Halliburton	-	-
5-1/2	6820	600	Halliburton	-	-

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 **0** feet to **6820** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which **dry hole** % 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

_____, Driller _____, Driller
B. F. Clark, Driller **George K. Reed**, Driller
D. C. Campbell

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1290	1290	Red beds & shale
1290	1390	100	Anhydrite
1390	2813	1423	Salt & Anhydrite
2813	3110	297	Sandstone & Shale
3110	3656	546	Dolomite, Shale & Sandstone
3656	4210	554	Sandstone & Dolomite
4210	5377	1167	Dolomite & Anhydrite
5377	6455	1078	Sandstone & Dolomite
6455	6820	365	Dolomite, Sandstone & Anhydrite
	6820 TD		

Geologic logs from electric logs.

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BUREAU OF GEOLOGICAL SURVEY

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After 5 1/2" casing was set at 6820' and cemented with 150 sacks, well was perforated at 6775 with 6 holes and at 6769' with 6 holes, and attempted to treat with 1000 gal. acid, packer failed. Non retrievable cementer and located hole in 5 1/2" casing from 2645 to 2650. Cut off casing at 2679 and ran 5 1/2" Homco casing bowl with lead seat, and patched casing together. Treated formation at 6769 and 6775 with 1000 gal. acid, maximum pressure 3400#, formation broke at 2100#, injection rate 3.2 bbls. per minute. After 12 days testing well produced 5 bbls. oil and 73 bbls. water. Squares cemented perforations 6769 and 6775 with 25 sacks and left 25 sacks on top of packer set at 6735', top of cement 6525'. Perforated 5 1/2" casing at 5800' w/2-bullet hole. Set Baker Model "K" C.I. Retainer at 5610'. Cemented w/450 sacks regular cement and 45 gal. top of cement 3210'. Perforated 5 1/2" casing from 5376 to 5390' w/4 bullets per foot. Treated perforations from 5376 to 5390 gal. 15% regular acid, maximum pressure 1500#, average injection rate 1 gpm. well snubbed 4 bbls. per hour. Set cement retainer at 5341, cemented perforations from 5376 to 5390 w/100 sacks regular cement, failed to get squares. Cemented w/75 sacks regular cement. Treated cement retainer and cement from 5340 to 5395, washed to 5550'. Perforated 5 1/2" casing from 5443 to 5477 w/4 bullet holes per foot, packer set at 5427. Treated with 900 gal. 15% acid. Maximum pressure 1500#, injection rate 1 gpm. Shut well in 24 hours, found fluid 300' from surface, snubbed 3 hours recovered 1/2 bbl. oil and 14 bbls. water. Set of cement retainer at 5330. Squared 95 sacks in perforations from 5443 to 5477, fluid squares pressure 3000#. Perforated 5 1/2" casing from 3805 to 3828 and 3830 to 3870 w/4 bullet holes per foot. Treated perforations w/1000 gal. acid, maximum pressure 1600#, minimum pressure 1000#, injection rate 4-8 1/2 gpm. Snubbed well 400'. Cemented hole with lease oil, broke formation w/2200#. Treated perforation from 3805 to 3828 and 3830 to 3870 w/20,000 gal. refined oil and 50,000 gal. water, average injection rate 25.5 bbls. average injection pressure 2000, maximum pressure 2200. Squared 2200. Squared well produced 62 bbls. water, 100% water. Placed cement plug twelve days testing well produced 62 bbls. water, 100% water. Shot off 5 1/2" casing at 3175', casing parted at 1700-2900 w/ 9680-10435 sacks. Shot off 5 1/2" casing at 3175', casing parted at 1700-2900 w/ 9680-10435 sacks.

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 "backpacked," 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 things or bridges were put in to test for water, state kind of material used, position, and results of pumping or drilling.

HISTORY OF OIL OR GAS WELL

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FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Gravelly sand
10	20	20	Sand
20	30	30	Sand
30	40	40	Sand
40	50	50	Sand
50	60	60	Sand
60	70	70	Sand
70	80	80	Sand
80	90	90	Sand
90	100	100	Sand
100	110	110	Sand
110	120	120	Sand
120	130	130	Sand
130	140	140	Sand
140	150	150	Sand
150	160	160	Sand
160	170	170	Sand
170	180	180	Sand
180	190	190	Sand
190	200	200	Sand
200	210	210	Sand
210	220	220	Sand
220	230	230	Sand
230	240	240	Sand
240	250	250	Sand
250	260	260	Sand
260	270	270	Sand
270	280	280	Sand
280	290	290	Sand
290	300	300	Sand
300	310	310	Sand
310	320	320	Sand
320	330	330	Sand
330	340	340	Sand
340	350	350	Sand
350	360	360	Sand
360	370	370	Sand
370	380	380	Sand
380	390	390	Sand
390	400	400	Sand
400	410	410	Sand
410	420	420	Sand
420	430	430	Sand
430	440	440	Sand
440	450	450	Sand
450	460	460	Sand
460	470	470	Sand
470	480	480	Sand
480	490	490	Sand
490	500	500	Sand
500	510	510	Sand
510	520	520	Sand
520	530	530	Sand
530	540	540	Sand
540	550	550	Sand
550	560	560	Sand
560	570	570	Sand
570	580	580	Sand
580	590	590	Sand
590	600	600	Sand
600	610	610	Sand
610	620	620	Sand
620	630	630	Sand
630	640	640	Sand
640	650	650	Sand
650	660	660	Sand
660	670	670	Sand
670	680	680	Sand
680	690	690	Sand
690	700	700	Sand
700	710	710	Sand
710	720	720	Sand
720	730	730	Sand
730	740	740	Sand
740	750	750	Sand
750	760	760	Sand
760	770	770	Sand
770	780	780	Sand
780	790	790	Sand
790	800	800	Sand
800	810	810	Sand
810	820	820	Sand
820	830	830	Sand
830	840	840	Sand
840	850	850	Sand
850	860	860	Sand
860	870	870	Sand
870	880	880	Sand
880	890	890	Sand
890	900	900	Sand
900	910	910	Sand
910	920	920	Sand
920	930	930	Sand
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990			