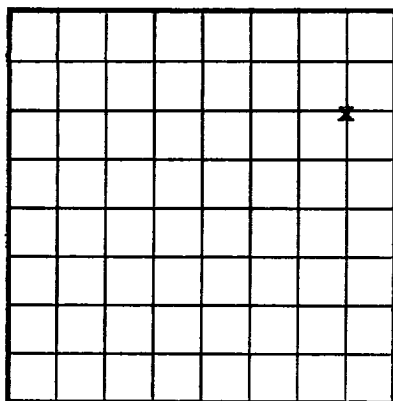




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 064118
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

JAN 14 1954

U. S. GEOLOGICAL SURVEY
MORGAN, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Amon G. Carter Address P. O. Box 1688, Kermit, Texas
Lessor or Tract E. C. Hill Field Teague State New Mexico
Well No. 4-M Sec. 34 T23-S. R37-E Meridian NMPM County Lea
Location 990 ft. (S.) of N. Line and 660 ft. (W.) of E. Line of Section 34 Elevation 3273
(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 [Signature]
Title Field ManagerDate January 13, 1954

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

Commenced drilling July 26, 1953 Finished drilling October 5, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7,150 to 7,194 (G)* No. 4, from _____ to _____
No. 2, from 9,120 to 9,310 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—	
13-3/8	48#	8	Spang	310	Halliburton				
9-5/8	32#	8	Spang	2,902	Halliburton				
7" OD	23#	8	Spang	65	Halliburton				
							7,172	7,196	gas prod.*
							9,120	9,310	McKee oil
							9,150	9,190	" "
							9,224	9,244	" "
							9,252	9,310	" "

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	323	300 sacks 43% gel	Pump & plug		
9-5/8	2,902	2000 sacks 43% gel	Pump & plug		
7" OD	9,399	65 sx 45% gel & 65 cuft Signalite & 200 sacks 43% gel			

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 9,400 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ January 13, _____, 1954 Put to producing _____ January 12, _____, 1954The production for the first 24 hours was 192 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 44

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____ Odin Mayhall _____, Driller _____ M. L. Bradford _____, Driller
_____ Jack H. Black _____, Driller _____ _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1045	1045	Red Sand and Shale
1045	1160	115	Anhydrite, Red Sand and Shale
1160	2310	1150	Salt, Anhydrite, Shale and Potash
2310	2495	185	Anhydrite, Lime and Shale
2495	2902	407	Anhydrite, Lime and Shale
2902	3385	483	Anhydrite, Lime, Shale and Sand
3385	3783	398	Sand, Lime, Shale and Anhydrite
3783	4920	1137	Lime
4920	5880	960	Lime and Sand
5880	7145	1265	Sand, Lime and Shale
7145	7815	670	Dolomite and Chert
7815	8065	250	Dolomite, Chert and Shale
8065	8365	300	Dolomite, Lime and Chert
8365	8678	313	Dolomite and Chert
8678	9105	427	Sand, Chert, Dolomite, Black & Green Shale
9105	9400	295	Sand and Shale
	Top Anhydrite	1045 (-2228)	Top Tubbs 5880 (-2607)
	Top Salt	1160 (-2113)	Top Devonian 7145 (-3872)
	Base Salt	2310 (-963)	Top Silurian 7815 (-4542)
	Top Yates	2495 (-778)	Top Fusselman 8065 (-4792)
	Top Penrose	3385 (-112)	Top Montoya 8365 (-5092)
	Top San Andres	3783 (-510)	Top Simpson 8678 (-5405)
	Top Glorieta	4920 (-1647)	Top McKee 9105 (-5832)

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Gravelly sand, fine to medium, with thin layers of clay.
10	20	20	Gravelly sand, fine to medium, with thin layers of clay.
20	30	30	Gravelly sand, fine to medium, with thin layers of clay.
30	40	40	Gravelly sand, fine to medium, with thin layers of clay.
40	50	50	Gravelly sand, fine to medium, with thin layers of clay.
50	60	60	Gravelly sand, fine to medium, with thin layers of clay.
60	70	70	Gravelly sand, fine to medium, with thin layers of clay.
70	80	80	Gravelly sand, fine to medium, with thin layers of clay.
80	90	90	Gravelly sand, fine to medium, with thin layers of clay.
90	100	100	Gravelly sand, fine to medium, with thin layers of clay.
100	110	110	Gravelly sand, fine to medium, with thin layers of clay.
110	120	120	Gravelly sand, fine to medium, with thin layers of clay.
120	130	130	Gravelly sand, fine to medium, with thin layers of clay.
130	140	140	Gravelly sand, fine to medium, with thin layers of clay.
140	150	150	Gravelly sand, fine to medium, with thin layers of clay.
150	160	160	Gravelly sand, fine to medium, with thin layers of clay.
160	170	170	Gravelly sand, fine to medium, with thin layers of clay.
170	180	180	Gravelly sand, fine to medium, with thin layers of clay.
180	190	190	Gravelly sand, fine to medium, with thin layers of clay.
190	200	200	Gravelly sand, fine to medium, with thin layers of clay.
200	210	210	Gravelly sand, fine to medium, with thin layers of clay.
210	220	220	Gravelly sand, fine to medium, with thin layers of clay.
220	230	230	Gravelly sand, fine to medium, with thin layers of clay.
230	240	240	Gravelly sand, fine to medium, with thin layers of clay.
240	250	250	Gravelly sand, fine to medium, with thin layers of clay.
250	260	260	Gravelly sand, fine to medium, with thin layers of clay.
260	270	270	Gravelly sand, fine to medium, with thin layers of clay.
270	280	280	Gravelly sand, fine to medium, with thin layers of clay.
280	290	290	Gravelly sand, fine to medium, with thin layers of clay.
290	300	300	Gravelly sand, fine to medium, with thin layers of clay.
300	310	310	Gravelly sand, fine to medium, with thin layers of clay.
310	320	320	Gravelly sand, fine to medium, with thin layers of clay.
320	330	330	Gravelly sand, fine to medium, with thin layers of clay.
330	340	340	Gravelly sand, fine to medium, with thin layers of clay.
340	350	350	Gravelly sand, fine to medium, with thin layers of clay.
350	360	360	Gravelly sand, fine to medium, with thin layers of clay.
360	370	370	Gravelly sand, fine to medium, with thin layers of clay.
370	380	380	Gravelly sand, fine to medium, with thin layers of clay.
380	390	390	Gravelly sand, fine to medium, with thin layers of clay.
390	400	400	Gravelly sand, fine to medium, with thin layers of clay.
400	410	410	Gravelly sand, fine to medium, with thin layers of clay.
410	420	420	Gravelly sand, fine to medium, with thin layers of clay.
420	430	430	Gravelly sand, fine to medium, with thin layers of clay.
430	440	440	Gravelly sand, fine to medium, with thin layers of clay.
440	450	450	Gravelly sand, fine to medium, with thin layers of clay.
450	460	460	Gravelly sand, fine to medium, with thin layers of clay.
460	470	470	Gravelly sand, fine to medium, with thin layers of clay.
470	480	480	Gravelly sand, fine to medium, with thin layers of clay.
480	490	490	Gravelly sand, fine to medium, with thin layers of clay.
490	500	500	Gravelly sand, fine to medium, with thin layers of clay.
500	510	510	Gravelly sand, fine to medium, with thin layers of clay.
510	520	520	Gravelly sand, fine to medium, with thin layers of clay.
520	530	530	Gravelly sand, fine to medium, with thin layers of clay.
530	540	540	Gravelly sand, fine to medium, with thin layers of clay.
540	550	550	Gravelly sand, fine to medium, with thin layers of clay.
550	560	560	Gravelly sand, fine to medium, with thin layers of clay.
560	570	570	Gravelly sand, fine to medium, with thin layers of clay.
570	580	580	Gravelly sand, fine to medium, with thin layers of clay.
580	590	590	Gravelly sand, fine to medium, with thin layers of clay.
590	600	600	Gravelly sand, fine to medium, with thin layers of clay.
600	610	610	Gravelly sand, fine to medium, with thin layers of clay.
610	620	620	Gravelly sand, fine to medium, with thin layers of clay.
620	630	630	Gravelly sand, fine to medium, with thin layers of clay.
630	640	640	Gravelly sand, fine to medium, with thin layers of clay.
640	650	650	Gravelly sand, fine to medium, with thin layers of clay.
650	660	660	Gravelly sand, fine to medium, with thin layers of clay.
660	670	670	Gravelly sand, fine to medium, with thin layers of clay.
670	680	680	Gravelly sand, fine to medium, with thin layers of clay.
680	690	690	Gravelly sand, fine to medium, with thin layers of clay.
690	700	700	Gravelly sand, fine to medium, with thin layers of clay.
700	710	710	Gravelly sand, fine to medium, with thin layers of clay.
710	720	720	Gravelly sand, fine to medium, with thin layers of clay.
720	730	730	Gravelly sand, fine to medium, with thin layers of clay.
730	740	740	Gravelly sand, fine to medium, with thin layers of clay.
740	750	750	Gravelly sand, fine to medium, with thin layers of clay.
750	760	760	Gravelly sand, fine to medium, with thin layers of clay.
760	770	770	Gravelly sand, fine to medium, with thin layers of clay.
770	780	780	Gravelly sand, fine to medium, with thin layers of clay.
780	790	790	Gravelly sand, fine to medium, with thin layers of clay.
790	800	800	Gravelly sand, fine to medium, with thin layers of clay.
800	810	810	Gravelly sand, fine to medium, with thin layers of clay.
810	820	820	Gravelly sand, fine to medium, with thin layers of clay.
820	830	830	Gravelly sand, fine to medium, with thin layers of clay.
830	840	840	Gravelly sand, fine to medium, with thin layers of clay.
840	850	850	Gravelly sand, fine to medium, with thin layers of clay.
850	860	860	Gravelly sand, fine to medium, with thin layers of clay.
860	870	870	Gravelly sand, fine to medium, with thin layers of clay.
870	880	880	Gravelly sand, fine to medium, with thin layers of clay.
880	890	890	Gravelly sand, fine to medium, with thin layers of clay.
890	900	900	Gravelly sand, fine to medium, with thin layers of clay.
900	910	910	Gravelly sand, fine to medium, with thin layers of clay.
910	920	920	Gravelly sand, fine to medium, with thin layers of clay.
920	930	930	Gravelly sand, fine to medium, with thin layers of clay.
930	940	940	Gravelly sand, fine to medium, with thin layers of clay.
940	950	950	Gravelly sand, fine to medium, with thin layers of clay.
950	960	960	Gravelly sand, fine to medium, with thin layers of clay.
960	970	970	Gravelly sand, fine to medium, with thin layers of clay.
970	980	980	Gravelly sand, fine to medium, with thin layers of clay.
980	990	990	Gravelly sand, fine to medium, with thin layers of clay.
990	1000	1000	Gravelly sand, fine to medium, with thin layers of clay.

FORMATION RECORD—Continued

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of modifying, 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 "added" 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

*On the basis of Drill Stem Test of section from 7,150 to 7,197 feet, attempted to produce gas from that section and application was made for permit for dual completion, but on subsequent tests well failed to produce gas in sufficient quantity to warrant such completion and perforations from 7,150 to 7,162 and No. 7,173 to 7,196 were squeezed off with 25 sacks cement and well completed as a regular McKee oil well.

IMPORTANT WATER SAMPLES

No. 1 from _____ to _____

No. 2 from _____ to _____

No. 3 from _____ to _____

No. 4 from _____ to _____

No. 5 from _____ to _____

No. 6 from _____ to _____

(To note gas by O)

OIL OR GAS SANDS OR ZONES

Completed drilling _____ Finished bailing _____ 19____

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

Date _____ Title _____

Signed _____

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.

Location _____ of _____ line and _____ ft. (W.)

Well No. _____ Sec. _____ T. _____ R. _____ S. _____

Owner or Trust _____

County _____ State _____

Address _____

Company _____

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

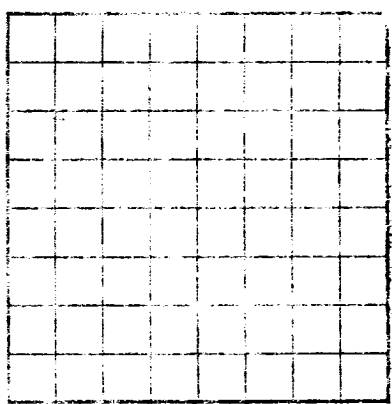
UNITED STATES

PLEASE OR PERMIT TO PROSPECT

STRATA NUMBER

U. S. LAND OFFICE

LOCATE WELL CORRECTLY



U. S. LAND OFFICE

STRATA NUMBER

PLEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL