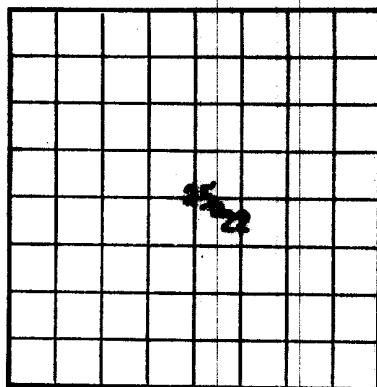


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 050697-2
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Kavanan Oil Company Address P.O. Box 2237, Tulsa 1, Oklahoma
 Lessor or Tract Pearl Field Maljamar State New Mexico
 Well No. 22 Sec. 25 T. 17S R. 32E Meridian N.M.P.M. County Lea
 Location 2615 ft. of 3 Line and 2615 ft. of 3 Line of Section 25 Elevation 3000 ft.
 (Check box relative to the well)

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 L.O. AlbertDate December 1, 1948Title Production Superintendent

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

Commenced drilling June 20, 1948, 19 1948 Finished drilling September 20, 1948, 19 1948**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 3990 to 4035 No. 4, from _____ to _____
 No. 2, from 4127 to 4161 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	Out and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	126	100	McWaters	100	McWaters				
7"	90	80	McWaters	80	McWaters				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	126	100	McWaters		
7"	90	80	McWaters		

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
5"		Nitroglycerine	230 lbs	9-21	4126	4185
5"			130 lbs	9-22	3990	4039

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 _____, 19 1948
 The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 37.1

If gas well, cu. ft. per 24 hours _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

1790, Driller 1790, Driller
1791, Driller 1791, Driller

FORMATION RECORD

Depth	Formation	Depth	Formation
0	Surface	0	Surface
10	Blue shale	10	Blue shale
20	Blue shale	20	Blue shale
30	Blue shale	30	Blue shale
40	Blue shale	40	Blue shale
50	Blue shale	50	Blue shale
60	Blue shale	60	Blue shale
70	Blue shale	70	Blue shale
80	Blue shale	80	Blue shale
90	Blue shale	90	Blue shale
100	Blue shale	100	Blue shale
110	Blue shale	110	Blue shale
120	Blue shale	120	Blue shale
130	Blue shale	130	Blue shale
140	Blue shale	140	Blue shale
150	Blue shale	150	Blue shale
160	Blue shale	160	Blue shale
170	Blue shale	170	Blue shale
180	Blue shale	180	Blue shale
190	Blue shale	190	Blue shale
200	Blue shale	200	Blue shale
210	Blue shale	210	Blue shale
220	Blue shale	220	Blue shale
230	Blue shale	230	Blue shale
240	Blue shale	240	Blue shale
250	Blue shale	250	Blue shale
260	Blue shale	260	Blue shale
270	Blue shale	270	Blue shale
280	Blue shale	280	Blue shale
290	Blue shale	290	Blue shale
300	Blue shale	300	Blue shale
310	Blue shale	310	Blue shale
320	Blue shale	320	Blue shale
330	Blue shale	330	Blue shale
340	Blue shale	340	Blue shale
350	Blue shale	350	Blue shale
360	Blue shale	360	Blue shale
370	Blue shale	370	Blue shale
380	Blue shale	380	Blue shale
390	Blue shale	390	Blue shale
400	Blue shale	400	Blue shale
410	Blue shale	410	Blue shale
420	Blue shale	420	Blue shale
430	Blue shale	430	Blue shale
440	Blue shale	440	Blue shale
450	Blue shale	450	Blue shale
460	Blue shale	460	Blue shale
470	Blue shale	470	Blue shale
480	Blue shale	480	Blue shale
490	Blue shale	490	Blue shale
500	Blue shale	500	Blue shale
510	Blue shale	510	Blue shale
520	Blue shale	520	Blue shale
530	Blue shale	530	Blue shale
540	Blue shale	540	Blue shale
550	Blue shale	550	Blue shale
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580	Blue shale	580	Blue shale
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610	Blue shale	610	Blue shale
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630	Blue shale	630	Blue shale
640	Blue shale	640	Blue shale
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660	Blue shale	660	Blue shale
670	Blue shale	670	Blue shale
680	Blue shale	680	Blue shale
690	Blue shale	690	Blue shale
700	Blue shale	700	Blue shale
710	Blue shale	710	Blue shale
720	Blue shale	720	Blue shale
730	Blue shale	730	Blue shale
740	Blue shale	740	Blue shale
750	Blue shale	750	Blue shale
760	Blue shale	760	Blue shale
770	Blue shale	770	Blue shale
780	Blue shale	780	Blue shale
790	Blue shale	790	Blue shale
800	Blue shale	800	Blue shale
810	Blue shale	810	Blue shale
820	Blue shale	820	Blue shale
830	Blue shale	830	Blue shale
840	Blue shale	840	Blue shale
850	Blue shale	850	Blue shale
860	Blue shale	860	Blue shale
870	Blue shale	870	Blue shale
880	Blue shale	880	Blue shale
890	Blue shale	890	Blue shale
900	Blue shale	900	Blue shale
910	Blue shale	910	Blue shale
920	Blue shale	920	Blue shale
930	Blue shale	930	Blue shale
940	Blue shale	940	Blue shale
950	Blue shale	950	Blue shale
960	Blue shale	960	Blue shale
970	Blue shale	970	Blue shale
980	Blue shale	980	Blue shale
990	Blue shale	990	Blue shale
1000	Blue shale	1000	Blue shale

FORMATION RECORD—CONTINUED

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2385	2405	110	Anhydrite
2495	2525	30	Anhydrite & salt
2525	2669	910	Anhydrite
2665	2687	22	Red sandy shale
2687	3500	13	Gray sand
3500	3515	15	Anhydrite
3515	3540	25	Line
3540	3790	250	Anhydrite
3790	3798	8	Line
3798	3814	16	Gray sandy lime
3814	3835	21	Red sandy shale
3835	3885	50	Sandy lime
3885	3911	26	Line
3911	3990	79	Gray lime
3990	3993	3	Gray sandy lime
3993	4001	8	Sandy lime
4001	4038	37	Light brown sandy lime
4038	4081	43	Gray lime
4081	4088	7	Light sandy lime
4088	4127	39	White lime
4127	4137	10	White sandy lime
4137	4143	6	White lime
4143	4149	6	Light brown sandy lime
4149	4161	12	Light brown sand
4161	4165	4	Gray sand
4165	4170	5	Light brown sandy
4170	4181	11	Brown sand
4181	4184	3	Gray sand
4184	4189	5	White lime
4189			TOTAL DEPTH

EXPLANATION

1000 feet to 1100 feet
1100 feet to 1200 feet
1200 feet to 1300 feet
1300 feet to 1400 feet
1400 feet to 1500 feet
1500 feet to 1600 feet
1600 feet to 1700 feet
1700 feet to 1800 feet
1800 feet to 1900 feet
1900 feet to 2000 feet