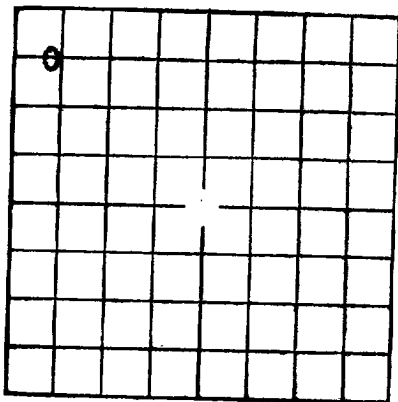




U. S. LAND OFFICE
 SERIAL NUMBER Las Cruces
 LEASE OR PERMIT TO PROSPECT 051102
Ballard

DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Me-Tex, Stroup & Yates Address Box 352; Arterio, New Mexico
 Lessor or Tract C. C. Ballard Field Loco Hills State New Mexico
 Well No. 1 Sec. 8 T. 18N R. 29E Meridian 10N11W County Sddy
 Location 660 ft. N of Line and 660 ft. W of Line of Section 8 Elevation 2556 ft.
 (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.

Date October 5, 1939Signed W. D. Houghton
Auditor

Title

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

Commenced drilling June 6, 1939 Finished drilling Sept 15, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2460 to 2468 No. 4, from 2735 to 2745
 No. 2, from 2552 to 2597 No. 5, from 2775 to 2785
 No. 3, from 2630 to 2635 No. 6, from 2930 to 2974

IMPORTANT WATER SANDS

No. 1, from no water encountered to no water encountered No. 3, from no water encountered to no water encountered
 No. 2, from no water encountered to no water encountered No. 4, from no water encountered to no water encountered

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
8 5/8"	32 1/2	8	Youngstown	350'	Plain				Surface Pipe
7" O. D.	20 1/2	8	Youngstown	2360	Halliburton				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	350'	50	Halliburton		20 sacks
7"	2360'	100	Halliburton		40 sacks

PLUGS AND ADAPTERS

Heaving plug—Material none Length none Depth set none
 Adapters—Material none Size none

SHOOTING RECORD

Size casing	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
8 5/8"	30	Acid	1000	9/7	2735-2817	2817
7"	30	Nitro-glycerine	300	9/11	2552-2635	2635

TOOLS USED

Rotary tools were used from 0 feet to 3017 feet, and from 3017 feet to 3017 feet
 Cable tools were used from 0 feet to 3017 feet, and from 3017 feet to 3017 feet

DATES

September 15 1939
50 Put to producing 100 1939

The production for the first 24 hours was 1 barrels of fluid of which 0 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °Bé.

Gallons gasoline per 1,000 cu. ft. of gas

Flow well, cu. ft. per 24 hours 0
 Rock pressure, lbs. per sq. in. 0

EMPLOYEES

Charles Houghton Driller
Harvey Williams Driller
W. D. Houghton Driller
Clyde Galloway Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
08100	15100	70	Caliche
15100	50100	350	Caliche shale, lime & gravel
50100	60100	100	Conglomerate
60100	120100	600	Red sandy shale
120100	145100	250	Red muddy shale
145100	155100	100	Grey lime
155100	312100	1570	Anhydrite
312100	350100	380	Anhydrite & salt
350100	372100	220	Salt
372100	425100	530	Salt and anhydrite shale
425100	475100	500	Anhydrite shale & salt
475100	536100	610	Salt showing anhydrite
536100	565100	290	Potash & salt broken
565100	635100	700	Anhydrite & salt
635100	676100	410	Salt & anhydrite
676100	740100	640	Salt & potash
740100	782100	420	Anhydrite
782100	791100	90	Red beds
791100	830100	390	Grey lime
830100	875100	450	Anhydrite
875100	900100	250	Hard grey lime
900100	935100	350	Anhydrite
935100	970100	350	Anhydrite with brown shale broken
970100	1000100	300	Red & grey lime
1000100	1016100	160	Anhydrite
1016100	1050100	340	Anhydrite & red shale broken

(OVER)

FROM	TO	TOTAL FEET	FORMATION
1050	1075	25	Red Shale & Anhydrite Shale
1075	1105	30	Anhydrite Shale
1105	1135	30	Anhydrite
1135	1140	5	Blue Shale
1140	1150	10	Anhydrite
1150	1155	5	Brown Shale
1155	1674	519	Anhydrite
1674	1690	16	Anhydrite & Red Beds
1690	1713	23	Anhydrite & Red Shale Broken
1713	1732	19	Anhydrite & Red Shale
1732	1920	188	Anhydrite
1920	1945	25	Red Sandy Shale
1945	1955	10	Anhydrite
1955	1963	8	Grey Lime
1963	1968	5	Anhydrite
1968	2000	32	Anhydrite & Shale
2000	2080	80	Anhydrite
2080	2085	5	Any Red Shale
2085	2110	25	Anydrite with Red Shale
2110	2120	10	Anhydrite
2120	2145	25	Red Sandy Shale
2145	2170	25	Anhydrite & Red Shale
2170	2185	15	Anhydrite
2185	2210	25	Anhydrite & Red Shale
2210	2230	20	Grey Lime
2230	2250	20	Brown Lime
2250	2453	203	Grey Lime
2453	2468	15	Sand & Lime
2468	2478	10	Grey Lime
2478	2485	7	Grey Sandy Lime
2485	2490	5	Sandy Lime
2490	2500	10	Brown Lime
2500	2508	8	Grey Sandy Lime
2508	2520	12	Lime
2520	2532	12	Grey Lime
2532	2538	6	Lime
2538	2550	12	Grey Lime
2550	2563	13	Lime Conglomerate
2563	2585	22	Lime
2585	2592	7	Brown Lime
2592	2600	8	Grey Sandy Lime
2600	2623	23	Brown Lime
2623	2640	17	Lime
2640	2650	10	Lime & Shale
2650	2660	10	Sandy Lime
2660	2678	18	White Lime
2678	2683	5	Hard White Lime
2683	2687	4	White Lime
2687	2694	7	Grey Lime
2694	2699	5	Hard White Lime
2699	2705	6	White Lime
2705	2710	5	Hard White Lime
2710	2730	20	White Lime
2730	2751	21	Grey Lime
2751	2754	3	Lime
2754	2760	6	Grey Lime
2760	2763	3	White Lime
2763	2772	9	Grey Lime
2772	2784	12	White Lime
2784	2887	103	Grey Lime
2887	2900	13	White Lime
2900	2930	30	Grey Lime
2930	3017	87	White & Grey Lime T. D.

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 "sidetracked" 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.

HISTORY OF OIL OR GAS WELL