

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOCATE WELL CORRECTLY

Location 660 ft. N of S Line and 1980 ft. E of E Line of 1 Elevation 3700 GLZ
(District 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 7-15-57

Title A. R. DeGrazer, Bookkeeper

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

Commenced drilling April 20, 1957 Finished drilling June 15, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>2852</u> to <u>2858</u> <u>oil</u>	No. 4, from <u>3140</u> to <u>3149</u> <u>oil</u>
No. 2, from <u>2883</u> to <u>2895</u> <u>oil</u>	No. 5, from _____ to _____
No. 3, from <u>3010</u> to <u>3021</u> <u>oil</u>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 418 to _____ No. 3, from 2315 to 2345
No. 2, from 1764 to 1771 No. 4, from _____ to _____

CASING RECORD

[illegible]

NUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	530	3700 10 50 23	Pump Discharge (nucleus in use at 3145-40)		
7 1/2"	2387	2750 24 25 15	2000# aggregate	11.2	2000# cottonseed hulls
5 1/2"	3188	3713 100 12	2700 10 12	11.2	
		3700 10 12	2700 10 12		

PLOGS AND ADAPTERS

Heating plug—Material	305g	1	Length	STANDARD	Depth set
	305S	1		CLEAR	
Adapters—Material	3072	2	Size	1/2" x 3/4"	

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
5015	5015	72		BLON 1		
5018	5018	72		BLON 1		
5021	5021	72		BLON 1		
5025	5025	72		BLON 1		
5028	5028	72		BLON 1		
5032	*See 5032	72		BLON 1		
5035	5035	72		BLON 1		

TOOLS USED

DATE	DESCRIPTION	FEET TO	FEET FROM	FEET TO	FEET FROM
8-10-67	Rotary tools were used from	0	3168	0	3168
8-11-67	Cable tools were used from	0	3168	0	3168
8-12-67		0	3168	0	3168
8-13-67		0	3168	0	3168
8-14-67		0	3168	0	3168
8-15-67		0	3168	0	3168
8-16-67		0	3168	0	3168
8-17-67		0	3168	0	3168
8-18-67		0	3168	0	3168
8-19-67		0	3168	0	3168
8-20-67		0	3168	0	3168
8-21-67		0	3168	0	3168
8-22-67		0	3168	0	3168
8-23-67		0	3168	0	3168
8-24-67		0	3168	0	3168
8-25-67		0	3168	0	3168
8-26-67		0	3168	0	3168
8-27-67		0	3168	0	3168
8-28-67		0	3168	0	3168
8-29-67		0	3168	0	3168
8-30-67		0	3168	0	3168
8-31-67		0	3168	0	3168
9-1-67		0	3168	0	3168
9-2-67		0	3168	0	3168
9-3-67		0	3168	0	3168
9-4-67		0	3168	0	3168
9-5-67		0	3168	0	3168
9-6-67		0	3168	0	3168
9-7-67		0	3168	0	3168
9-8-67		0	3168	0	3168
9-9-67		0	3168	0	3168
9-10-67		0	3168	0	3168
9-11-67		0	3168	0	3168
9-12-67		0	3168	0	3168
9-13-67		0	3168	0	3168
9-14-67		0	3168	0	3168
9-15-67		0	3168	0	3168
9-16-67		0	3168	0	3168
9-17-67		0	3168	0	3168
9-18-67		0	3168	0	3168
9-19-67		0	3168	0	3168
9-20-67		0	3168	0	3168
9-21-67		0	3168	0	3168
9-22-67		0	3168	0	3168
9-23-67		0	3168	0	3168
9-24-67		0	3168	0	3168
9-25-67		0	3168	0	3168
9-26-67		0	3168	0	3168
9-27-67		0	3168	0	3168
9-28-67		0	3168	0	3168
9-29-67		0	3168	0	3168
9-30-67		0	3168	0	3168
9-31-67		0	3168	0	3168
10-1-67		0	3168	0	3168
10-2-67		0	3168	0	3168
10-3-67		0	3168	0	3168
10-4-67		0	3168	0	3168
10-5-67		0	3168	0	3168
10-6-67		0	3168	0	3168
10-7-67		0	3168	0	3168
10-8-67		0	3168	0	3168
10-9-67		0	3168	0	3168
10-10-67		0	3168	0	3168
10-11-67		0	3168	0	3168
10-12-67		0	3168	0	3168
10-13-67		0	3168	0	3168
10-14-67		0	3168	0	3168
10-15-67		0	3168	0	3168

The production for the first 24 hours was

45 barrels of fluid of which 70% was oil. Balance off
 fine (800-5000) rest. Off in one
 gravity, Bé. 35

emulsion: % water; and % sediment.

503 If gas well cu. ft 500 24 hours

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

5072	5072	70
Rock structure lbs. per sq. in.		

0-14 1706

EMPLOYEES

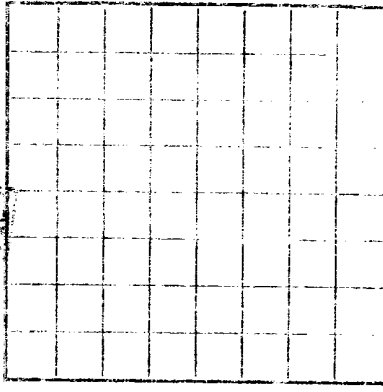
5111	5111	Driller	5111	Driller
5112	5112	Driller	5112	Driller
5113	5113	Driller	5113	Driller

FORMATION

FROM-	TO-	TOTAL FEET	FORMATION
5000	5005	5	Supraglacial
5005	5010	5	Supraglacial
5010	5015	5	Supraglacial
5015	5020	5	Supraglacial
5020	5025	5	Supraglacial
5025	5030	5	Supraglacial
5030	5035	5	Supraglacial
5035	5040	5	Supraglacial
5040	5045	5	Supraglacial
5045	5050	5	Supraglacial
5050	5055	5	Supraglacial
5055	5060	5	Supraglacial
5060	5065	5	Supraglacial
5065	5070	5	Supraglacial
5070	5075	5	Supraglacial
5075	5080	5	Supraglacial
5080	5085	5	Supraglacial
5085	5090	5	Supraglacial
5090	5095	5	Supraglacial
5095	5100	5	Supraglacial
5100	5105	5	Supraglacial
5105	5110	5	Supraglacial
5110	5115	5	Supraglacial
5115	5120	5	Supraglacial
5120	5125	5	Supraglacial
5125	5130	5	Supraglacial
5130	5135	5	Supraglacial
5135	5140	5	Supraglacial
5140	5145	5	Supraglacial
5145	5150	5	Supraglacial
5150	5155	5	Supraglacial
5155	5160	5	Supraglacial
5160	5165	5	Supraglacial
5165	5170	5	Supraglacial
5170	5175	5	Supraglacial
5175	5180	5	Supraglacial
5180	5185	5	Supraglacial
5185	5190	5	Supraglacial
5190	5195	5	Supraglacial
5195	5200	5	Supraglacial
5200	5205	5	Supraglacial
5205	5210	5	Supraglacial
5210	5215	5	Supraglacial
5215	5220	5	Supraglacial
5220	5225	5	Supraglacial
5225	5230	5	Supraglacial
5230	5235	5	Supraglacial
5235	5240	5	Supraglacial
5240	5245	5	Supraglacial
5245	5250	5	Supraglacial
5250	5255	5	Supraglacial
5255	5260	5	Supraglacial
5260	5265	5	Supraglacial
5265	5270	5	Supraglacial
5270	5275	5	Supraglacial
5275	5280	5	Supraglacial
5280	5285	5	Supraglacial
5285	5290	5	Supraglacial
5290	5295	5	Supraglacial
5295	5300	5	Supraglacial
5300	5305	5	Supraglacial
5305	5310	5	Supraglacial
5310	5315	5	Supraglacial
5315	5320	5	Supraglacial
5320	5325	5	Supraglacial
5325	5330	5	Supraglacial
5330	5335	5	Supraglacial
5335	5340	5	Supraglacial
5340	5345	5	Supraglacial
5345	5350	5	Supraglacial
5350	5355	5	Supraglacial
5355	5360	5	Supraglacial
5360	5365	5	Supraglacial
5365	5370	5	Supraglacial
5370	5375	5	Supraglacial
5375	5380	5	Supraglacial
5380	5385	5	Supraglacial
5385	5390	5	Supraglacial
5390	5395	5	Supraglacial
5395	5400	5	Supraglacial
5400	5405	5	Supraglacial
5405	5410	5	Supraglacial
5410	5415	5	Supraglacial
5415	5420	5	Supraglacial
5420	5425	5	Supraglacial
5425	5430	5	Supraglacial
5430	5435	5	Supraglacial
5435	5440	5	Supraglacial
5440	5445	5	Supraglacial
5445	5450	5	Supraglacial
5450	5455	5	Supraglacial
5455	5460	5	Supraglacial

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company _____
Person or Firm _____
Well No. _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
Signed _____
Date _____

Oil or Gas Sands or Zones
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
Important Water Sands
No. 1 from _____ to _____
No. 2 from _____ to _____

Casing Record
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, 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 balling.

MUDGING AND CEMENTING RECORD			
Time	Water used	Number sacks of cement	Method used
3125		3100	Time (increase in gas at 3125-40)
3113		3125	Gray lime
3100		3113	Brown lime
3090		3100	Time
3088		3090	Time
3075		3088	Gray lime
3070		3075	Time & sand
3065		3070	Time
3060		3065	Time
3055		3060	Time
3050		3055	Time
3045		3050	Time
3040		3045	Time
3035		3040	Time
3030		3035	Time
3025		3030	Time
3020		3025	Time
3015		3020	Time
3010		3015	Time
3005		3010	Time
3000		3005	Time
2995		3000	Time
2990		2995	Time
2985		2990	Time
2980		2985	Time
2975		2980	Time
2970		2975	Time
2965		2970	Time
2960		2965	Time
2955		2960	Time
2950		2955	Time
2945		2950	Time
2940		2945	Time
2935		2940	Time
2930		2935	Time
2925		2930	Time
2920		2925	Time
2915		2920	Time
2910		2915	Time
2905		2910	Time
2900		2905	Time
2895		2900	Time
2890		2895	Time
2885		2890	Time
2880		2885	Time
2875		2880	Time
2870		2875	Time
2865		2870	Time
2860		2865	Time
2855		2860	Time
2850		2855	Time
2845		2850	Time
2840		2845	Time
2835		2840	Time
2830		2835	Time
2825		2830	Time
2820		2825	Time
2815		2820	Time
2810		2815	Time
2805		2810	Time
2800		2805	Time
2795		2800	Time
2790		2795	Time
2785		2790	Time
2780		2785	Time
2775		2780	Time
2770		2775	Time
2765		2770	Time
2760		2765	Time
2755		2760	Time
2750		2755	Time
2745		2750	Time
2740		2745	Time
2735		2740	Time
2730		2735	Time
2725		2730	Time
2720		2725	Time
2715		2720	Time
2710		2715	Time
2705		2710	Time
2700		2705	Time
2695		2700	Time
2690		2695	Time
2685		2690	Time
2680		2685	Time
2675		2680	Time
2670		2675	Time
2665		2670	Time
2660		2665	Time
2655		2660	Time
2650		2655	Time
2645		2650	Time
2640		2645	Time
2635		2640	Time
2630		2635	Time
2625		2630	Time
2620		2625	Time
2615		2620	Time
2610		2615	Time
2605		2610	Time
2600		2605	Time
2595		2600	Time
2590		2595	Time
2585		2590	Time
2580		2585	Time
2575		2580	Time
2570		2575	Time
2565		2570	Time
2560		2565	Time
2555		2560	Time
2550		2555	Time
2545		2550	Time
2540		2545	Time
2535		2540	Time
2530		2535	Time
2525		2530	Time
2520		2525	Time
2515		2520	Time
2510		2515	Time
2505		2510	Time
2500		2505	Time
2495		2500	Time
2490		2495	Time
2485		2490	Time
2480		2485	Time
2475		2480	Time
2470		2475	Time
2465		2470	Time
2460		2465	Time
2455		2460	Time
2450		2455	Time
2445		2450	Time
2440		2445	Time
2435		2440	Time
2430		2435	Time
2425		2430	Time
2420		2425	Time
2415		2420	Time
2410		2415	Time
2405		2410	Time
2400		2405	Time
2395		2400	Time
2390		2395	Time
2385		2390	Time
2380		2385	Time
2375		2380	Time
2370		2375	Time
2365		2370	Time
2360		2365	Time
2355		2360	Time
2350		2355	Time
2345		2350	Time
2340		2345	Time
2335		2340	Time
2330		2335	Time
2325		2330	Time
2320		2325	Time
2315		2320	Time
2310		2315	Time
2305		2310	Time
2300		2305	Time
2295		2300	Time
2290		2295	Time
2285		2290	Time
2280		2285	Time
2275		2280	Time
2270		2275	Time
2265		2270	Time
2260		2265	Time
2255		2260	Time
2250		2255	Time
2245		2250	Time
2240		2245	Time
2235		2240	Time
2230		2235	Time
2225		2230	Time
2220		2225	Time
2215		2220	Time
2210		2215	Time
2205		2210	Time
2200		2205	Time
2195		2200	Time
2190		2195	Time
2185		2190	Time
2180		2185	Time
2175		2180	Time
2170		2175	Time
2165		2170	Time
2160		2165	Time
2155		2160	Time
2150		2155	Time
2145		2150	Time
2140		2145	Time
2135		2140	Time
2130		2135	Time
2125		2130	Time
2120		2125	Time
2115		2120	Time
2110		2115	Time
2105		2110	Time
2100		2105	Time
2095		2100	Time
2090		2095	Time
2085		2090	Time
2080		2085	Time
2075		2080	Time
2070		2075	Time
2065		2070	Time
2060		2065	Time
2055		2060	Time
2050		2055	Time
2045		2050	Time
2040		2045	Time
2035		2040	Time
2030		2035	Time
2025		2030	Time
2020		2025	Time
2015		2020	Time
2010		2015	Time
2005		2010	Time
2000		2005	Time
1995		2000	Time
1990		1995	Time
1985		1990	Time
1980		1985	Time
1975		1980	Time
1970		1975	Time
1965		1970	Time
1960		1965	Time
1955		1960	Time
1950		1955	Time
1945		1950	Time
1940		1945	Time
1935		1940	Time
1930		1935	Time
1925		1930	Time
1920		1925	Time
1915		1920	Time
1910		1915	Time
1905		1910	Time
1900		1905	Time
1895		1900	Time
1890		1895	Time
1885		1890	Time
1880		1885	Time
1875		1880	Time
1870		1875	Time
1865		1870	Time
1860		1865	Time
1855		1860	Time
1850		1855	Time
1845		1850	Time
1840		1845	Time
1835		1840	Time
1830		1835	Time
1825		1830	Time
1820		1825	Time
1815		1820	Time
1810		1815	Time
1805		1810	Time
1800		1805	Time
1795		1800	Time
1790		1795	Time
1785		1790	Time
1780		1785	Time
1775		1780	Time
1770		1775	Time
1765		1770	Time
1760		1765	Time
1755		1760	Time
1750		1755	Time
1745		1750	Time
1740		1745	Time
1735		1740	Time
1730		1735	Time
1725		1730	Time
1720		1725	Time
1715		1720	Time
1710		1715	Time
1705		1710	Time
1700		1705	Time
1695		1700	Time
1690		1695	Time
1685		1690	Time
1680		1685	Time
1675		1680	Time
1670		1675	Time
1665		1670	Time
1660		1665	Time
1655		1660	Time
1650		1655	Time
1645		1650	Time
1640		1645	Time
1635		1640	Time
1630		1635	Time
1625		1630	Time
1620		1625	Time
1615		1620	Time
1610		1615	Time
1605		1610	Time
1600		1605	Time
1595		1600	Time
1590		1595	Time
1585		1590	Time
1580		1585	Time
1575		1580	Time
1570		1575	Time
1565		1570	Time
1560		1565	Time
1555		1560	Time
1550		1555	

NASH, WINDFOHR & BROWN
OIL PRODUCERS
1107 CONTINENTAL LIFE BUILDING
FORT WORTH, TEXAS

July 15, 1957

SHOOTING RECORD: Perforated and fraced Lovington 3140-49 with 740 bbls. lease oil and 9500# of 20/40 sand. Maximum pressure 4000#.

Perforated and attempted to frac Premier 3010-21 with 18000# bulk sand and 10,000 gallons Petrojel. Would not frac. Maximum pressure 2900#.

Perforated and fraced Lower Square Lakes 2883-2895 with 18000# bulk sand and 15,000 gallons of petrojel. Maximum pressure 4000#.

Perforated and fraced Upper Square Lake 2852-58 with 12,500# sand and 671 bbls. of lease oil. Maximum pressure 3700#.

704 01 2107

[illegible]