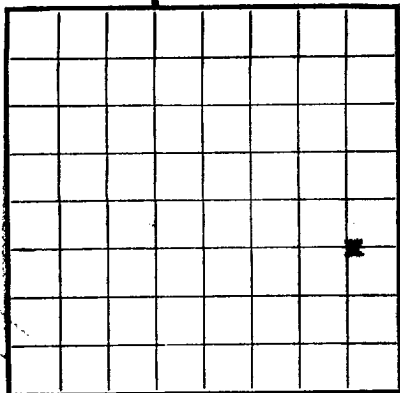


Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028731 (a)
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Sunray Mid-Continent Oil Co Address Box 128 - Hobbs, New Mexico
Lessor or Tract M. Dodd "A" Field Grayburg State New Mexico
Well No. 16 Sec. 15 T. 173R 29E Meridian County Eddy
Location 1980 ft. [N.] of S. Line and 660 ft. [E.] of E. Line of Sec. 15 Elevation 3596
(Derriek 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 J. A. Parry J. A. Parry

Date 5-7-56 Title Hobbs Area Superintendent

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

Commenced drilling 4-21, 1956 Finished drilling April 16, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1214' to Gas 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 100' to _____ No. 3, from _____ to _____
No. 2, from 250 to 260 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—	
8 5/8	24#	8Rd	J55	530'	Tex. Pat.				Surface
7"	20#	8Rd	J55	2389'	Tex. Pat.				Bottom
HISTORY OF OH OR CVD MEFF									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	530'	400 ex. w/4% Gel.	Pump & Plug	Native	
7" OD	2389'	100	Pump & Plug	Native	

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 2420 feet, and from _____ feet to _____ feet

DATES

May 5, 1956 Put to producing April 16, 1956
The production for the first 24 hours was 45 barrels of fluid of which 100% was oil; 0%
emulsion; 0% water; and 0% 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

Paton Drilling Company, Driller _____, Driller
A. M. Patton, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	312	312	Sand, Caliche, & Shale
312	400	88	Red Bed
400	500	100	Red Bed & Salt
500	800	300	Salt
800	842	42	Salt & Anhydrite
842	900	58	Anhydrite & Shale
900	1610	710	Anhydrite
1610	1845	235	Anhydrite & Lime
1845	1865	20	Red Sand
1865	2210	345	Anhydrite
2210	2238	28	Anhydrite & Red Bed
2238	2404	166	Lime
2404	2420	16	Metex Sand

FROM—

TO—

TOTAL FEET

(OVER)

FORMATION

16-43094-8

FORMATION RECORD—Continued

Approval expires 12-31-95.
Budget Bureau No. 43-41-3553.

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Date _____
 Signed _____
 The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.
 Location _____ of _____ Line and _____ of _____
 Well No. _____ Se _____ T. _____ R. _____ Meridian
 Lessor or Tract _____
 Company _____
 Address _____
 State _____
 County _____
 Elevation _____
 (Insert floor (relatives to sea level))
 Title _____

Commenced drilling _____, 19____. Finished drilling _____, 19____.

OIL OR GAS SANDS OR ZONES

(D) yd ang zoms(1)

No. 1, from	to	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. 8, from	to
No. 2, from	to	No. 4, from	to

CASINO RECORD

Size Casing per foot	Weight per foot	Thrust per inch	Make	Amount	Kind of shoe	Cut and pulled from	From	To	Purpose
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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 or shots.

HISTORY OF OIL OR GAS WELL

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Size casting	Weight	Number sacks of cement	Water used	Gravel used	Beams built to measure
4x4	100	10	10	10	10
4x6	150	15	15	15	15
6x6	250	25	25	25	25
8x8	400	40	40	40	40
10x10	600	60	60	60	60
12x12	900	90	90	90	90
14x14	1200	120	120	120	120
16x16	1600	160	160	160	160
18x18	2000	200	200	200	200
20x20	2500	250	250	250	250
22x22	3000	300	300	300	300
24x24	3600	360	360	360	360
26x26	4200	420	420	420	420
28x28	4900	490	490	490	490
30x30	5600	560	560	560	560
32x32	6400	640	640	640	640
34x34	7200	720	720	720	720
36x36	8000	800	800	800	800
38x38	8900	890	890	890	890
40x40	9800	980	980	980	980
42x42	10800	1080	1080	1080	1080
44x44	11800	1180	1180	1180	1180
46x46	12900	1290	1290	1290	1290
48x48	14000	1400	1400	1400	1400
50x50	15200	1520	1520	1520	1520
52x52	16400	1640	1640	1640	1640
54x54	17700	1770	1770	1770	1770
56x56	19000	1900	1900	1900	1900
58x58	20400	2040	2040	2040	2040
60x60	21800	2180	2180	2180	2180
62x62	23300	2330	2330	2330	2330
64x64	24800	2480	2480	2480	2480
66x66	26400	2640	2640	2640	2640
68x68	28000	2800	2800	2800	2800
70x70	29700	2970	2970	2970	2970
72x72	31400	3140	3140	3140	3140
74x74	33200	3320	3320	3320	3320
76x76	35000	3500	3500	3500	3500
78x78	36900	3690	3690	3690	3690
80x80	38800	3880	3880	3880	3880
82x82	40800	4080	4080	4080	4080
84x84	42800	4280	4280	4280	4280
86x86	44900	4490	4490	4490	4490
88x88	47000	4700	4700	4700	4700
90x90	49200	4920	4920	4920	4920
92x92	51400	5140	5140	5140	5140
94x94	53700	5370	5370	5370	5370
96x96	56000	5600	5600	5600	5600
98x98	58400	5840	5840	5840	5840
100x100	60800	6080	6080	6080	6080

PLUGS AND ADAPTERS

1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352
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SHOOTING RECORD

[illegible]

TOOLS USED

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

2374

Block pressure, per sq. in.		10.5
It gas well, cu. ft. per 24 hours		10.5
Emulsion, % water; and % sediment		10.5
The production for the first 24 hours was		10.5
Bar to producing		10.5
Gravity, °Bé.		10.5
Gallons gasoline per 1,000 cu. ft. of gas		10.5
Barrels of fluid of which $\frac{1}{2}$ was oil		10.5
Bar to producing		10.5

EMPLOYEES

[illegible]

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	100	100	0-100
100	200	200	100-200
200	300	300	200-300
300	400	400	300-400
400	500	500	400-500
500	600	600	500-600
600	700	700	600-700
700	800	800	700-800
800	900	900	800-900
900	1000	1000	900-1000
1000	1100	1100	1000-1100
1100	1200	1200	1100-1200
1200	1300	1300	1200-1300
1300	1400	1400	1300-1400
1400	1500	1500	1400-1500
1500	1600	1600	1500-1600
1600	1700	1700	1600-1700
1700	1800	1800	1700-1800
1800	1900	1900	1800-1900
1900	2000	2000	1900-2000
2000	2100	2100	2000-2100
2100	2200	2200	2100-2200
2200	2300	2300	2200-2300
2300	2400	2400	2300-2400
2400	2500	2500	2400-2500
2500	2600	2600	2500-2600
2600	2700	2700	2600-2700
2700	2800	2800	2700-2800
2800	2900	2900	2800-2900
2900	3000	3000	2900-3000
3000	3100	3100	3000-3100
3100	3200	3200	3100-3200
3200	3300	3300	3200-3300
3300	3400	3400	3300-3400
3400	3500	3500	3400-3500
3500	3600	3600	3500-3600
3600	3700	3700	3600-3700
3700	3800	3800	3700-3800
3800	3900	3900	3800-3900
3900	4000	4000	3900-4000
4000	4100	4100	4000-4100
4100	4200	4200	4100-4200
4200	4300	4300	4200-4300
4300	4400	4400	4300-4400
4400	4500	4500	4400-4500
4500	4600	4600	4500-4600
4600	4700	4700	4600-4700
4700	4800	4800	4700-4800
4800	4900	4900	4800-4900
4900	5000	5000	4900-5000
5000	5100	5100	5000-5100
5100	5200	5200	5100-5200
5200	5300	5300	5200-5300
5300	5400	5400	5300-5400
5400	5500	5500	5400-5500
5500	5600	5600	5500-5600
5600	5700	5700	5600-5700
5700	5800	5800	5700-5800
5800	5900	5900	5800-5900
5900	6000	6000	5900-6000
6000	6100	6100	6000-6100
6100	6200	6200	6100-6200
6200	6300	6300	6200-6300
6300	6400	6400	6300-6400
6400	6500	6500	6400-6500
6500	6600	6600	6500-6600
6600	6700	6700	6600-6700
6700	6800	6800	6700-6800
6800	6900	6900	6800-6900
6900	7000	7000	6900-7000
7000	7100	7100	7000-7100
7100	7200	7200	7100-7200
7200	7300	7300	7200-7300
7300	7400	7400	7300-7400
7400	7500	7500	7400-7500
7500	7600	7600	7500-7600
7600	7700	7700	7600-7700
7700	7800	7800	7700-7800
7800	7900	7900	7

FORMATION RECORD—Continued