

NOTED

SEP 20 1961

U S LAND OFFICE LC 065649

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

STANDLEY

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company	Southern Union Production Co.		Address	P. O. Box 146; Hobbs, New Mexico	
Lessor or Tract	Federal Saunders		Field	South Pearl Queen	State New Mexico
Well No.	4	Sec. 9	T. 20 ^S	R. 35 ^E	Meridian
					County Lea
Location	330	ft. N ¹	of N	Line and 1980	ft. E ¹
					of W
					Line of Section 9
					Elevation 3675.2'

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 Wesley M. Swanson

Date ~~September~~ 18, 1961

Title **Production Foreman**

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

Commenced drilling 7-22 19 61 Finished drilling 8-18 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4991 to 5000' (○) No. 4, from _____ to _____
 No. 2, from 5006 to 5010' (○) No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	209'	150	Halliburton		Cement to surface
4 1/2	5032'	250	Halliburton		
2 3/8	4980'				

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
Perf.	4991-5000'	5006-5010'	4 shots/ft.			
	Fraced with 55,000# sand and 30,000 gals. oil and 100 gals. acid					

TOOLS USED

Rotary tools were used from 0 feet to 5334 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

~~8-24-67~~, 19..... Put to producing....., 19.....

The production for the first 24 hours was 288 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. on 21/64" choke. 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

Gene McCutchen, Driller
E. J. Knight, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
—0—	1970	1970	Red Beds and Shale
1970	2065	95	Anhy.
2065	3520	1455	Salt and Anhy.
3520	3780	260	Dolomite and Anhy.
3780	4708	928	Dolomite, Anhy., Sand Stringers
4708	4943	235	Dolomite and Sand
4943	4952	9	Sand
4952	4992	40	Dolomite
4992	5001	9	Sand
5001	5004	3	Dolomite
5004	5014	10	Sand
5014	5034	20	Dolomite
5034—TD			

[OVER]

[OVER]
FOUNDATION BECOMES—COMPLETED

10-49094-3

LOG OF OIL OR GAS WELL

2013.11.22

The information provided below is a complete and correct record of the call and all work done thereon.
The information is to be used for the following purposes:
1. To determine the status of the call.
2. To determine the status of the work done.
3. To determine the status of the equipment.
4. To determine the status of the personnel.
5. To determine the status of the materials.
6. To determine the status of the other resources.
7. To determine the status of the other information.
8. To determine the status of the other data.
9. To determine the status of the other information.
10. To determine the status of the other data.

The number of days necessary for the completion of the well at above date.

..... 19

OUT OF OUR HANDS OR ZONES

(b) $\mathcal{P}^{\text{int}} \subseteq \mathcal{P}^{\text{ext}}$ and $\mathcal{P}^{\text{ext}} \subseteq \mathcal{P}^{\text{int}}$.

Year	From	To	From	To
1990	1989	1991	1990	1992
1991	1990	1992	1991	1993
1992	1991	1993	1992	1994
1993	1992	1994	1993	1995
1994	1993	1995	1994	1996
1995	1994	1996	1995	1997
1996	1995	1997	1996	1998
1997	1996	1998	1997	1999
1998	1997	1999	1998	2000
1999	1998	2000	1999	2001
2000	1999	2001	2000	2002
2001	2000	2002	2001	2003
2002	2001	2003	2002	2004
2003	2002	2004	2003	2005
2004	2003	2005	2004	2006
2005	2004	2006	2005	2007
2006	2005	2007	2006	2008
2007	2006	2008	2007	2009
2008	2007	2009	2008	2010
2009	2008	2010	2009	2011
2010	2009	2011	2010	2012
2011	2010	2012	2011	2013
2012	2011	2013	2012	2014
2013	2012	2014	2013	2015
2014	2013	2015	2014	2016
2015	2014	2016	2015	2017
2016	2015	2017	2016	2018
2017	2016	2018	2017	2019
2018	2017	2019	2018	2020
2019	2018	2020	2019	2021
2020	2019	2021	2020	2022
2021	2020	2022	2021	2023
2022	2021	2023	2022	2024
2023	2022	2024	2023	2025
2024	2023	2025	2024	2026
2025	2024	2026	2025	2027
2026	2025	2027	2026	2028
2027	2026	2028	2027	2029
2028	2027	2029	2028	2030
2029	2028	2030	2029	2031
2030	2029	2031	2030	2032
2031	2030	2032	2031	2033
2032	2031	2033	2032	2034
2033	2032	2034	2033	2035
2034	2033	2035	2034	2036
2035	2034	2036	2035	2037
2036	2035	2037	2036	2038
2037	2036	2038	2037	2039
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2042	2041	2043	2042	2044
2043	2042	2044	2043	2045
2044	2043	2045	2044	2046
2045	2044	2046	2045	2047
2046	2045	2047	2046	2048
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2048	2047	2049	2048	2050
2049	2048	2050	2049	2051
2050	2049	2051	2050	2052
2051	2050	2052	2051	2053
2052	2051	2053	2052	2054
2053	2052	2054	2053	2055
2054	2053	2055	2054	2056
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2056	2055	2057	2056	2058
2057	2056	2058	2057	2059
2058	2057	2059	2058	2060
2059	2058	2060	2059	2061
2060	2059	2061	2060	2062</

SCIENCE RETAIN THEATROUS

[illegible]

030025Z 014520

[illegible]

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

U. S. GOVERNMENT PRINTING OFFICE

RECORDING AND INDEXING RECORD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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[illegible]

SECRET

[illegible]

GEORGE MITCHELL

Rate	Amount used	Quantity	Date	Project name	Project Number
1.00	1.00	1.00	1.00	1.00	1.00

0720 2100

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.	_____ feet to _____ feet.
Table tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.	_____ feet to _____ feet.

DATE

10	Put to producing	10	10
9	Put to producing	10	10

_____ % sediment
_____ % water; _____
_____ % clay; _____
_____ % organic matter

Gravimetrically determined
_____ % Be.

EMPLOYEES

1941	1942	1943	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</
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CHAPTER 10: TANKS

TO	TOTAL FEET	FORMATION
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[illegible]

THE LATE

.. 9

2739

				ST-1, 002
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FORMATION

TOTAL FEET

—0—

FROM—

FORMATION RECORD—Continued