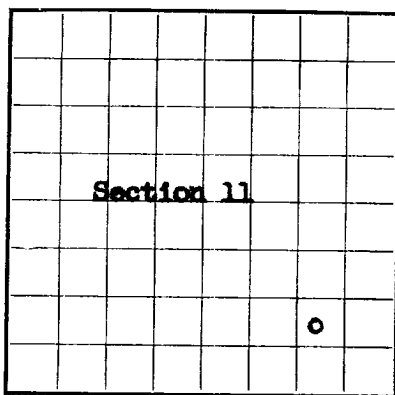


U. S. LAND OFFICE Santa FeSERIAL NUMBER SF 080724

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Building, Dallas 1, TexasLessor or Tract Zachry Field Attec Pictured Cliffs State New MexicoWell No. 5 Sec. 11 T28-N R. 10-W Meridian N.M.J.M. County San JuanLocation 1040 ft. N. of S. Line and 990 ft. E. of E. Line of Section 11 Elevation 5655'
(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.

Signed A. M. Wiederkehr
Title Manager, Exploration DepartmentDate May 17, 1955

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

Commenced drilling April 9, 1955 Finished drilling April 18, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1853 to 1933 (G) 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. 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	Cut and pulled from	Perforated		Purpose
							From—	To—	
9 5/8"	36#		J-55	161'					surface production
5 1/2"	15.50#		J-55	1861-75'					
HISTORY OF CUT OF C75 WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8"</u>	<u>161'</u>	<u>150 sacks</u>	<u>Halliburton</u>		
<u>5 1/2"</u>	<u>1859'</u>	<u>200 sacks</u>	<u>Halliburton</u>		
<u>1"</u>	<u>1890'</u>				

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
<u>Sand fractured from 1853' to 1933' with 12,600 gallons of oil and 13,200# sand.</u>						

TOOLS USED

Rotary tools were used from -0- feet to 1860 feet, and from _____ feet to _____ feetCable tools were used from 1860 feet to 1933 feet, and from _____ feet to _____ feet

DATES

April 19, 1955 Put to producing _____, 19____

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

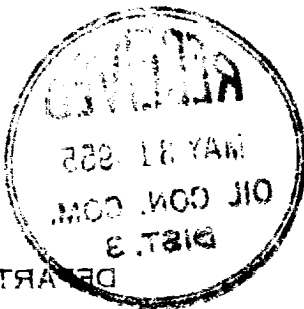
If gas well, cu. ft. per 24 hours 3362.98 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 664#/9 days

EMPLOYEES

Ben Banner Drilling Company, DrillerMcKinney Drilling Company, DrillerJ. L. Copleland, DrillerClay Cade, DrillerJ. A. BrownBill Nail

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>-0-</u>	<u>173</u>	<u>173</u>	<u>Sand, Rock and Shale</u>
<u>173</u>	<u>223</u>	<u>50</u>	<u>Sand, Shale and Cement</u>
<u>223</u>	<u>1167</u>	<u>944</u>	<u>Sand and Shale</u>
<u>1167</u>	<u>1860</u>	<u>693</u>	<u>Shale, sand and Coal</u>
<u>1860</u>	<u>1874</u>	<u>14</u>	<u>Sand</u>
<u>1874</u>	<u>1881</u>	<u>7</u>	<u>Soft Sand</u>
<u>1881</u>	<u>1909</u>	<u>18</u>	<u>Hard Sand</u>
<u>1909</u>	<u>1916</u>	<u>7</u>	<u>Soft Sand</u>
<u>1916</u>	<u>1933</u>	<u>17</u>	<u>Sand and Shale</u>
TOPS:	<u>Pictured Cliffs</u>	<u>1853</u>	
	<u>Lewis</u>	<u>1933</u>	



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECT Y

11-11-50

The information given above is a complete and correct record of the well and all work done thereon so far as can be determined from the available records.

Location: $2\frac{1}{2}$ miles N. of Lumberton and about $\frac{1}{2}$ W. of the line of Lumberton and Florence.

Well No. 1, 1900, by T. S. and W. H. Johnston, Lumberton, Johnston County, North Carolina.

Passenger Train, Lumberton, North Carolina, 1900.

Company: Lumberton, North Carolina, 1900.

Address: Lumberton, North Carolina, 1900.

The summary on the right is the conclusion of the well as the IT

..... gästisch benannt

OIL OR GAS BANDS OR ZONES

$$(\Theta \circ \gamma) \circ \gamma = \Theta \circ (\gamma \circ \gamma)$$
[illegible]

IMPORTANT WATER BANDS

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	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368</
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	--------

CASING RECORD

Year	Period	Amount	Kind of case	Out and pulled from	Portuguese	From	and loss
1967	1967						

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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]