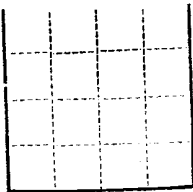


ILLEGIBLE



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau 42-R352.3.
Approval expires 12-31-55.

Land Office **Santa Fe**
Lease No. **091116**
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	☒
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	☐
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	☐
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	☐
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	☐
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	☐
NOTICE OF INTENTION TO ABANDON WELL		☐

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 23, 1956

Well No. **3** is located **940** ft. from **[N]** line and **340** ft. from **[E]** line of sec. **16**

1/4 of Sec. 16
(1/4 Sec. and Sec. No.)

28N
(Twp.)

11E
(Range)

100M
(Meridian)

Falcher-Kata
(Field)

San Juan
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is **5517** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

90' of 3 1/2" 8 R, 8-5/8" surface casing was set at 90' and cemented with 70 sz. and recomputed with 85 sz.

Before drilling the plug the casing was pressured up to 500 lbs. for 30 mins. with no drop in pressure. After drilling the plug, the casing was again pressured up to 500 lbs. for 30 mins. with no drop in pressure.

I understand that this plan of work must receive approval in writing by the Geological Survey before operation may be commenced.

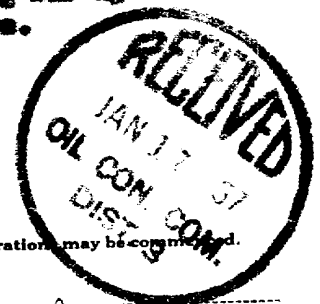
Company **Bedford & Hartman**

Address **Box 1747**

Midland, Texas

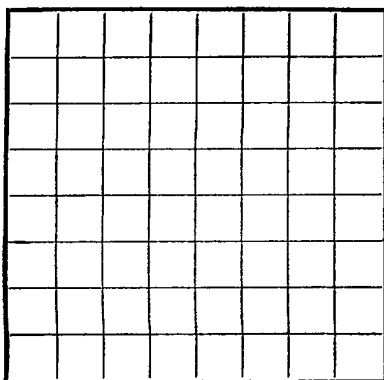
By

Title **Agent**



U. S. LAND OFFICE Santa FeSERIAL NUMBER MM 021116

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Redfern & Markham Address P.O. Box 1747, Midland, Texas
Lessor or Tract Redfern Field Fulcher-Kutz State New Mexico
Well No. 3 Sec. 16 T. 28N R. 11W Meridian NPM County San Juan
Location 940 ft. N of N Line and 840 ft. E of E Line of Sec. Elevation 5517
(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

Date December 23, 1956

Title

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

Commenced drilling December 18, 1956 Finished drilling December 23, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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. 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—		
8-5/8	34	8-R	CR-I	90'	Ball				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	90	70 Reement 85	Halliburton		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

FRANK WILLIAMS, Driller _____, Driller
EMPIRE STATES DRIG. CO., Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	695	695	Sand & shale
Core #1	645-95, Recovered 50':		
		645-50	Dark grey-green fine sandy shale, micac. very slight bleed of gas
		650-56	Grey bra. very silty fine ss. sl. carb. slight odor gas (sl. wet)
		656-63	Fine grey hard silty ss. - no showing
		663-69	Hard grey shale very sandy to v. fine.
		669-72	Hard grey very sand shale slight stain & sl. odor
		672-90	Med. Cor. sl. silty ss., odor gas thruout, sl. oil bleed 677-678, core 672-90 looks wet
		690-93	Hard dk green very fine sandy shale, very sl. bleed gas
		693-95	Hard dk green sand sl. to very silty, slight bleed gas (Looks wet)
			Temporarily Abandoned 12-23-56

REPORT

3.0—

LOLVT LEE

[OVER]

EXHIBIT NUMBER

16-48094-3

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank sheet of graph paper featuring a uniform grid of small squares. The grid consists of 10 columns and 8 rows, creating a total of 80 square units. The lines are thin and black, set against a white background. There are no margins or additional markings on the page.

Commenced drilling _____, 19____. Finished drilling _____, 19____. The summary on this page is for the condition of the well at above date.

Date _____ Title _____

(D) $\frac{1}{2} \log 2$

IMPORTANT WATER SOUNDS

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the date of redrilling, to what purpose, and if any casing changes were made in the casing, state them and their results. If there were any changes made in the casing, state them and their results. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping. If shots, "sideracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and results of shooting.

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

RECORDING AND CEMENTING RECORD

1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	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</
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Size	Style	Material	Quantity	Unit	Remarks
100	100	100	100	100	100

Qty	2nd Hand	Model no	Quantity	Date	Depth	Station

of feet	from feet	of feet	used from
of feet	from feet	of feet	used from

The production for the first 14 holes was ...
The production for the first 14 holes was ...

Driller		Driller	
Driller		Driller	

FROM - TO - TOTAL FEET - CORRELATION

FROM-	TO-	TOTAL FEET	(OAKS)	FORMATION
				10-13087.1