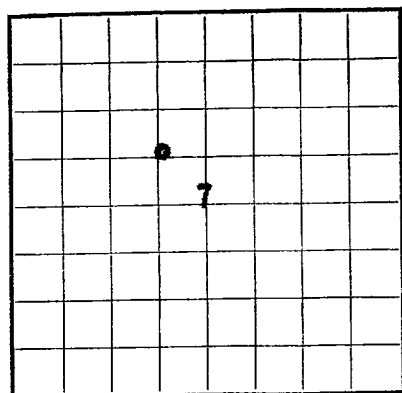


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078897
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address Production Department
P. O. Box 2097, Denver, Colorado
Lessor or Tract Western-Federal Field Unnamed State New Mexico
Well No. 4 Sec. 7 T. 26N R. 11W Meridian NMPM County San Juan
Location 1980 ft. [S.] of N. Line and 1980 ft. [E.] of W. Line of Section Elevation 6081'
(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.

ORIGINAL SIGNED BY

Signed B. L. ROBERTSON

Date July 10, 1957 Title Zone Clerk

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

Commenced drilling 6-30, 1957 Finished drilling 6-21, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4982 to 5026 (O&G) No. 4, from 5214 to 5250 (O&G)
No. 2, from 5098 to 5132 (O&G) No. 5, from _____ to _____
No. 3, from 5171 to 5203 (O&G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from Surface Casing to 455 No. 3, from 2390 to 2500
No. 2, from 1390 to 1510 No. 4, from 3496 to 3522
2270 2360 3615 3664

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8</u>	<u>24</u>	<u>82</u>	<u>SS</u>	<u>304</u>	<u>Guide</u>	<u>Surface</u>	<u>4982</u>	<u>5026</u>	<u>Surface</u>
<u>5-1/2</u>	<u>14</u>	<u>82</u>	<u>SS</u>	<u>537</u>	<u>Float</u>	<u>5026</u>	<u>5170</u>	<u>5206</u>	<u>Appraisal</u>
							<u>5232</u>	<u>5250</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount
<u>8-5/8</u>	<u>314</u>	<u>225</u>	<u>HOWCO</u>	<u>-</u>	
<u>5-1/2</u>	<u>5346</u>	<u>135</u>	<u>HOWCO</u>	<u>-</u>	

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>None</u>						

TOOLS USED PB with cement to 5309'.

Rotary tools were used from surface feet to 5350 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 7-2, 1957

The production for the first 24 hours was *354 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 380

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ *Flowing through 3/4" choke. Flow Pressures: 525 psi; Tubing 150 psi.

EMPLOYEES

Arapahoe Drilling Company, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface Casing	455	121	Sand with shale interbeds
455	1374	919	Shale and sand
1374	1390	16	Lime
1390	1510	120	Sand with shale interbeds
1510	1700	190	Interbedded sand and shale
1700	2270	570	Shale with silt and sand interbeds
2270	2500	230	Sand with shale interbeds
2500	2970	470	Interbedded sand, silt and shale
2970	4130	1160	Sand and shale
4130	4982	852	Shale with silt interbeds
4982	TD	3616 368	Sand with shale interbeds
<u>B-Log Tops</u>			
	Pictured Cliffs	1389'	
	Lewis	1504'	
	Mesaverde	2273'	
	Pt. Lookout	3884'	
	Mancos	4128'	
	1st Gallup	4983'	
	2nd Gallup	5098'	
	3rd Gallup	5214'	
	Base Gallup	5347'	

(OVER)

FORMATION RECORD—Continued

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

MATH 1360 - MATH 375 - 30.0

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.

Signed _____
D. J. ROBERTSON
ORIGINAL SIGNED BY _____

Location _____ of _____ and _____
Well No. _____ Sec. _____ T. _____ R. _____
Lessor or Owner _____
Operator _____
County _____ State _____
Address _____
City _____

The warranty on this page is for the condition of the well at record date.

Oil or Gas Sands or Zones

(T vđ enu atossu)

Taping Records to 166 Johns, 2-3/8¹⁰⁰ BRL, New, Tally 5290. Set at
 No. 3 from 166 to 5291
 No. 2 from 166 to 5291
 No. 1 from 166 to 5291

[illegible]

CASING RECORD

NO CORSES OR DOTS.

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 pumps 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

Case No.	77-1000-11	Number and of cement	Weight used	Kind of cement
1000-11	1000-11	1000-11	1000-11	1000-11

RECEIVED
JUL 12 1961
OFF. GEN. COUN.
TEND

PLUGS AND ADAPTERS

	Length	Depth
	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

100	at test	more bare test	at test	more bare snow about 100
100	at test	more bare test	at test	more bare snow about 100

2ETAD

[illegible]

EMPLOYEES

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	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378</
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FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
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FORMATION RECORD—Continued