

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

Company Am. Petroleum Corporation Address San Jose, California
Lessor or Tract Calleguas Canyon Field San Jose State California
Well No. 86 Sec. 35 T. 28N R. 19E Meridian S. & P. County San Jose
Location 1050 ft. N of 1 Line and 500 ft. W of 1 Line of Section 35 Elevation 2500 (AMSL)

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

ORIGINAL SIGNED BY

R. M. Bauer, Jr.

Date

March 24, 1960

Title

Free Engineer

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

Commenced drilling

December 6

, 19

59

Finished drilling

December 17

, 19

59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from	<u>5524</u>	to	<u>5552</u>	No. 4, from	<u>6207</u>	to	<u>6291</u>
No. 2, from	<u>5552</u>	to	<u>5600</u>	No. 5, from	<u>6207</u>	to	<u>6291</u>
No. 3, from	<u>6176</u>	to	<u>6180</u>	No. 6, from	<u>6292</u>	to	<u>6294</u>

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—	
<u>7 7/8"</u>	<u>23</u>	<u>8-11</u>	<u>J-55</u>	<u>1423</u>	<u>Guide</u>	<u>7 7/8" 1423</u>			<u>Oil string</u>
<u>7"</u>	<u>23</u>	<u>8-11</u>	<u>J-55</u>	<u>1423</u>	<u>Guide</u>	<u>7 7/8" 1423</u>			<u>Oil string</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 7/8"</u>	<u>237</u>	<u>150 sacks cement</u>	<u>Halliburton 2 plug</u>		
<u>7"</u>	<u>6293</u>	<u>550 sacks cement</u>	<u>Baker 2 stage</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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 6293 feet, and from _____ feet to _____ feet

DATES

Completed as running oil well March 21 Put to producing March 21
First new oil recorded March 21
Total production for the first 24 hours was _____ barrels of fluid of which 37% was oil; 60%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. 99.8

If gas well, cu. ft. per 24 hours _____

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

Rock pressure, 180 per sq. in. 9100

EMPLOYEES

1955 Driller Clair Wilson Driller
T. B. Sage Driller Clair Wilson Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1525</u>	<u>1525</u>	<u>Surface sands & shales.</u>
<u>1525</u>	<u>1627</u>	<u>102</u>	<u>Pictured Cliffs sand & shale.</u>
<u>1627</u>	<u>2682</u>	<u>855</u>	<u>Lewis shale.</u>
<u>2682</u>	<u>2570</u>	<u>88</u>	<u>Cliffhouse sands & shale.</u>
<u>2570</u>	<u>4012</u>	<u>1442</u>	<u>Greenhorn shale.</u>
<u>4012</u>	<u>4285</u>	<u>273</u>	<u>Point Lookout sand & shale.</u>
<u>4285</u>	<u>5209</u>	<u>924</u>	<u>Mancos shale.</u>
<u>5209</u>	<u>5995</u>	<u>786</u>	<u>Gallup sands & shales.</u>
<u>5995</u>	<u>6090</u>	<u>95</u>	<u>Greenhorn sands & shales.</u>
<u>6090</u>	<u>6135</u>	<u>45</u>	<u>Graneros shale.</u>
<u>6135</u>	<u>6174</u>	<u>39</u>	<u>Dakota sands & shales.</u>
<u>6174</u>	<u>6293</u>	<u>119</u>	<u>Shut-in pay sand.</u>

(OVER)

FORMATION RECORD—CONTINUED

$$B_{\alpha} = \{B_{\alpha}(x_i) : i = 1, \dots, n\}$$

3107-4541

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of refilling, 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 "sideacked" 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.

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6-1959, and dated to 1931. 5-5/5-5

Added 12-14-74 into December 6, 1974, and added to 2321. 9-5/8" loading was not at 2321 with 150 sacks of calcium chloride. Estimated.

Reduced hole to 8-1/4" to 8-3/4" in diameter. No reduction of pressure drop.

36 255, and learned drilling operations.

[illegible]

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• WITNESSES •

14-00000

Completed drilling _____
 Finished drilling _____
 1917.

Tested coding 414 250

and for 30 minutes, with 10 minutes of rest.

THE UNIVERSITY OF CHICAGO

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005 period for the 4th year

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LOCALITY WELL CORRECTLY

SECRET

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показатели - для выявления тенденций - , 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, 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, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 262

DEPARTMENT OF THE INTERIOR

SECRET

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE
FOR THE YEAR ENDING 31ST MARCH 1960.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 10-10-2001 BY 60322 UCBAW

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