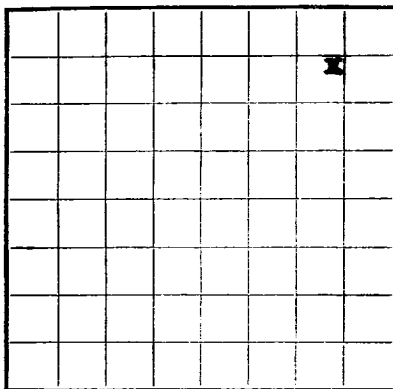
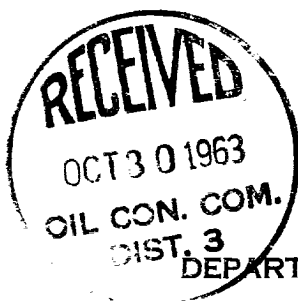




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE New Mexico
SERIAL NUMBER MM-048570
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico
Lessor or Tract Skelly Federal Field Basin Dakota State New Mexico
Well No. 1 Sec. 32 T. 29N R. 10W Meridian N.M.P.M. County San Juan
Location 815 ft. N. of 4 Line and 890 ft. W. of 2 Line of Section 32 Elevation 5611
(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.

Fred L. Nabers, District Engineer

Signed

ORIGINAL SIGNED BY

Date October 28, 1963Title F. H. HOLLINGSWORTH

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

Commenced drilling September 1, 1963 Finished drilling September 13, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6247 to 6257 (G) No. 4, from _____ to _____
No. 2, from 6316 to 6334 (G) No. 5, from _____ to _____
No. 3, from 6400 to 6420 (G) 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—	
<u>8-5/8"</u>	<u>22</u>	<u>8</u>	<u>J-55</u>	<u>6496</u>	<u>Guide</u>				<u>OIL STRING</u>
<u>4-1/2"</u>	<u>10.58</u>	<u>8</u>							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>359</u>	<u>200</u>	<u>BJ - 1 Plug</u>		
<u>4-1/2"</u>	<u>6457</u>	<u>1500</u>	<u>Halliburton 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 6457 feet, and from _____ feet to _____ feet

DATES

Completed as Shut in Basin Dakota Well Put to producing Completed, 19____
October 14, 1963 barrels of fluid of which October 14, 1963
The production for the first 24 hours was _____ % 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. 53691975 (CPS) EMPLOYEES

_____, Driller

_____, Driller

Ira EllisJim SpeakerEarl BabcockJim Babcock

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1830</u>	<u>1830</u>	<u>Surface sand and shale</u>
<u>1830</u>	<u>1883</u>	<u>53</u>	<u>Pictured Cliffs</u>
<u>1883</u>	<u>3517</u>	<u>1634</u>	<u>Lewis shale</u>
<u>3517</u>	<u>4483</u>	<u>966</u>	<u>Mesaverde Group</u>
<u>4483</u>	<u>5362</u>	<u>879</u>	<u>Mancos</u>
<u>5362</u>	<u>5702</u>	<u>340</u>	<u>Gallup</u>
<u>5702</u>	<u>6129</u>	<u>427</u>	<u>Mancos</u>
<u>6129</u>	<u>6194</u>	<u>65</u>	<u>Greenhorn shale</u>
<u>6194</u>	<u>6244</u>	<u>50</u>	<u>Graneros shale</u>
<u>6244</u>	<u>6314</u>	<u>70</u>	<u>Graneros Dakota</u>
<u>6314</u>	<u>6370</u>	<u>56</u>	<u>Main Dakota</u>
<u>6370</u>	<u>6457</u>	<u>87</u>	<u>Lower Dakota</u>

(OVER)

1. The first of these is the fact that the United States is a member of the Organization for Economic Cooperation and Development (OECD), which is a group of countries that are committed to the principles of free trade and open markets. This means that the United States is committed to the principles of free trade and open markets, which is a key principle of the World Trade Organization (WTO).

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
FBI
JUN 10 1966
FBI
JUN 10 1966

[illegible]

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

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 _____
F. H. HOLLINGSWORTH
ORIGINAL SIGNED BY _____
District Engineer

Location of _____ of _____ line and _____ ft. _____ of _____ line of _____ Elevation _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____

Dessor or Trust _____ Field _____ Address _____ Company _____

Commoned drilling 10.43 finished drilling 10.43 1961

OIL OR GAS SANDS OR ZONES

(b) $\text{val} \text{ store}(I)$

No. 1, from	to	No. 1, from	to
No. 2, from	to	No. 2, from	to
No. 3, from	to	No. 3, from	to

IMPORTANT WATER SANDS

No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to

CASING RECORD

Size Case	Weight per foot	Thrust is per inch	Rate	Amount	Kind or size	Cost and billed from	Performed From To	Purpose
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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 "back-sacked," or left in the well, give its size and location. If the well has been dynamited, give date, 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, or shots.

HISTORY OF OIL OR GAS WELL

16-4304-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Amount of mud to be used	Method used	Number sacks of cement	Water used	Remarks
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PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
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TOOLS USED

test	of test	from bus test	to test	from new tools were used from
test	of test	from bus test	to test	from old tools were used from

DATE

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, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 26

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Rock products, per sq. ft. 1963 1964

FORMATION

FROM-	TO-	TOTAL FEET	FORMATION
0	1000	1000	Lower and the
1000	1500	500	Wash Dakota
1500	2000	500	Wash Dakota
2000	2500	500	Wash Dakota
2500	3000	500	Wash Dakota
3000	3500	500	Wash Dakota
3500	4000	500	Wash Dakota
4000	4500	500	Wash Dakota
4500	5000	500	Wash Dakota
5000	5500	500	Wash Dakota
5500	6000	500	Wash Dakota
6000	6500	500	Wash Dakota
6500	7000	500	Wash Dakota
7000	7500	500	Wash Dakota
7500	8000	500	Wash Dakota
8000	8500	500	Wash Dakota
8500	9000	500	Wash Dakota
9000	9500	500	Wash Dakota
9500	10000	500	Wash Dakota

FORMATION RECORD—Continued