

R-37-E

(Revised 7/1/62)
(Form C-100)

AREA 340 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Form No. New Mexico

WELL RECORD

Mail to: Director, Oil Conservation Commission, to which Form C-101 was sent not later than 10 days after completion of well. Follow instructions in Rules and Regulations of the Commission. **QUINTUPPLICATE.** If State Land submit 6 Copies

Shell Oil Company

State JM

(Company or Operator)

(Lease)

Well No. 1, in NW $\frac{1}{4}$ of NE 2 25S 37E, NMPM.undesignatedLea

County.

Well is 660 feet from north 1380 feet from east lineof Section 2. If State Land the United Gas Lease No. B-1167Drilling Commenced September 14 61 Drilling was Completed October 30, 19 61Name of Drilling Contractor Moran Drilling CorporationAddress P. O. Box 1718, Hobbs, New MexicoElevation above sea level at Top of Tubing Head 3170' The information given is to be kept confidential until not confidential, 19 61

ORDERS OF CEMENT

No. 1, from 7240' to 7335' No. 2, from 7335' to 7335'No. 2, from 7335' to 7335' No. 3, from 7335' to 7335'No. 3, from 7335' to 7335' No. 4, from 7335' to 7335'

DETAILED RECORD OF CEMENT

Include data on rate of water inflow and elevation to top of cement.

No. 1, from 7240' to 7335' No. 2, from 7335' to 7335'No. 2, from 7335' to 7335' No. 3, from 7335' to 7335'No. 3, from 7335' to 7335' No. 4, from 7335' to 7335'No. 4, from 7335' to 7335' No. 5, from 7335' to 7335'

CEMENT RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	METHOD	DATE AND TIME	PERFORATIONS	PURPOSE
13 3/8"	48#	new	228'				Surface
9 5/8"	36#	new	3638'	Guide			Intermediate
7" & 7 5/8"	20# & 20.6#	new	8944'	Float		*	Oil

* 7240' - 7250', 7262' - 7270', 7276' - 7284', 7294' - 7304', 7310' - 7318', 7330' - 7335'

MUDLOG AND CEMENTATION RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD	MUD GRAVITY	AMOUNT OF MUD USED
17"	13 3/8"	240'	200	Pump & Plug	Cemented to surface	
11"	9 5/8"	3649'	1150	Pump & Plug	Cemented to surface	
8 5/8"	7" & 7 5/8"	8951'	800	Pump & Plug		

RECORD OF PERFORATION AND STIMULATION

(Record the Process used, No. of Guns used, interval treated or shot.)

(1) Perforated 8782' - 8787', 8792' - 8795', 8808' - 8838', 8859' - 8876' w/2 JSPP.

Treated w/500 gallons 15% MCA.

Set CIBP at 8700'.

(2) Perforated 7240' - 7250', 7262' - 7270', 7276' - 7284', 7294' - 7304', 7310' - 7318',

7330' - 7335' w/2 JSPP. Treated w/1500 gallons 15% MCA followed by 5000 gallons 15% MCA.

Result of Production Stimulation (1) Swabbed 100% water.

(2) On OPT flowed 147 BOPD (based on 49 BO in 8 hours) cut 0.2% B3&W, thru 24/64' choke. FIP 15 - 60 psi.

Depth Cleaned Out 8700'

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 8951 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing November 16, 19 61

OIL WELL: The production during the first 24 hours was 147 barrels of liquid of which 99.8 % was
was oil; % was emulsion; 0.2 % water; and % was sediment. A.P.I.
Gravity 37.3 deg.

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy.			T. Devonian		T. Ojo Alamo
T. Salt			T. Silurian		T. Kirtland-Fruitland
B. Salt			T. Montoya	7483' (-4303')	T. Farmington
T. Yates	2360' (+820')		T. Simpson	7880' (-4700')	T. Pictured Cliffs
T. 7 Rivers	2631' (+549')		T. McKee	8235' (-5055')	T. Menefee
T. Queen	2946' (+234')		T. Ellenburger	8780' (-5600')	T. Point Lookout
T. Grayburg	3352' (-172')		T. Gr. Wash.		T. Mancos
T. San Andres	3614' (-434')		T. Granite		T. Dakota
T. Glorieta	4700' (-1520')		T. Paddock	4763' (-1583')	T. Morrison
T. Drinkard	5967' (-2787')		T. Blinabry	5084' (-1904')	T. Penn.
T. Tubbs	5726' (-2547')		T. Siluro-Devonian	6812' (-3632')	
T. Abo	6196' (-3016')		T. Russellman	7214' (-4034')	
T. Penn.			T.		T.
T. Miss.			T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2360	2360	Sand, Shale, Anhydrite, Salt				
2360	2946	586	Dolomite, Shale				
2946	3614	668	Dolomite, Limestone, Shale, Sand				
3614	5990	2376	Dolomite, Shale				
5990	6196	206	Dolomite, Silt, Shale				
6196	7878	1682	Dolomite, Limestone, Shale, Chert				
7878	8780	902	Sand, Shale, Limestone				
8780	8951	171	Dolomite, Shale				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

November 27, 1961

(Date)

Company or Operator Shell Oil Company Address P. O. Box 1858, Roswell, New Mexico

Original Signed By:

Name V. L. King V. L. KING

Acting District Exploitation Engineer

ATTACHMENT FOR NMOCC FORM C-105

Shell Oil Company
State JM-1
Lot 2, Section 2
T-25-3, R-37-E,
Lea County, New Mexico

- DST #1: 5876' - 6050' (174' Drinkard). Tool open 2 1/2 hours thru 1/2" & 1" TC, 5/8" BC, 4 1/2" DP. Opened with strong blow. Gas to surface 11 minutes. No fluid to surface. Recovery 60' free oil (0.3 bbl.) + 540' (2.9 bbls.) moderate to heavily oil & gas cut mud. 80 minutes ISIBHP 2390 psi. FBHP 225 - 316 psi. 80 minutes FSIBHP 2818 psi. BMH 2821 - 2818 psi. Recovery mud titrated 800 ppm Cl⁻, pit mud titrated 3000 ppm Cl⁻. Positive Test. (Foster)
- DST #2: 6893' - 7018' (125' Fusselman). Tool open 65 minutes thru 5/8" BC, 1 1/8" TC, 4 1/2" DP. Gas to surface 5 minutes. Flowed sour gas at stabilized rate of 500 MCFPD. FGP 23 psi. Recovery 180' (1.3 bbls.) gas cut mud + 840' (4.9 bbls.) heavily oil & gas cut mud (estimated 20% oil). Pit mud titrated 2000 ppm Cl⁻. Recovery mud titrated 2000 ppm Cl⁻. 60 minutes ISIBHP 2875 psi. FBHP 205 - 225 psi. 60 minutes FSIBHP 2875 psi. HMP 3255 psi. Conclusive Test. (Foster)
- DST #3: 8095' - 8427' (332' McKee). Tool open 1 hour thru 5/8" BC, 1/2" TC, 4 1/2" DP. Opened with fair blow decreasing to weak blow. Increased to fair blow at end of test. Recovery 900' (13 bbls.) drilling mud + 450' (6.5 bbls.) salt water cut mud + 990' (11 bbls.) salt water. No hydrocarbon shows. Pit mud titrated 24,000 ppm Cl⁻. Recovery mud titrated 90,000 ppm Cl⁻. 15 minutes ISIBHP 2657 psi. FBHP 606 psi - 1038 psi. 30 minutes FSIBHP 2090 psi. HMP 4114 - 4087 psi. Conclusive Test. (Johnston)
- DST #4: 8800' - 8951' (151' Ellenburger). Tool open 1 1/2 hours thru 5/8" BC, 1/4" & 1 1/8" TC, 4 1/2" DP. Opened w/strong blow decreasing to weak at end of test. No gas to surface. Recovery 3000' (39.2 bbls.) fluid being: 1050' (14.9 bbls.) heavily oil & gas cut mud; 720' (10.2 bbls.) oil, water, & gas cut mud; 870' (10.1 bbls.) oil & gas cut water; 360' (4 bbls.) salt water. Recovery water titrated 35,000 ppm Cl⁻. Pit mud titrated 12,000 ppm Cl⁻. 60 minutes ISIBHP 2910 psi. FBHP 225 - 1110 psi. 60 minutes FSIBHP 2910 psi. HMP 4300 - 4270 psi. Conclusive Test. (HOWCO)
- DST #5: 8895' - 8951' (56' Ellenburger). Tool open 4 hours thru 5/8" BC, 1" TC, 4 1/2" DP. Opened with weak blow increasing to strong. Gas to surface 2 hours, 45 minutes. TSTM. Recovery 3870' fluid being: 540' (8 bbls.) heavily oil & gas cut mud + 180' (2.5 bbls.) oil & gas cut mud + 270' (3.7 bbls.) oil, gas, & water cut mud + 270' (3.7 bbls.) oil, gas & mud cut water + 450' (6.4 bbls.) oil & gas cut salt water + 2160' (28.3 bbls.) salt water. Recovery water titrated 35,000 ppm Cl⁻. Pit mud titrated 11,500 ppm Cl⁻. 15 minutes ISIBHP 2980 psi. FBHP 710 - 1725 psi. 30 minutes FSIBHP 2948 psi. Conclusive Test.

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

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1. The first of these is the "General" or "Overall" view, which is a broad, high-level overview of the entire system. It is typically represented by a single, large, central box or diagram that encompasses all other components.

1. *Phragmites* spp.

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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, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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Figure 1 consists of two scatter plots. The left plot shows a positive correlation between the number of children and the number of children in the household. The right plot shows a negative correlation between the number of children and the number of children in the household.

1. The first of these is the fact that the United States has a large and growing population of people who are not citizens of the United States. This is a result of the large number of people who have immigrated to the United States in recent years, and the fact that many of these people are not naturalized citizens.

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, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 26