



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

November 24, 1982

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Tenneco Oil Exploration  
and Production  
P. O. Box 3249  
Englewood, Colorado 80155

Attention: Ken Russell

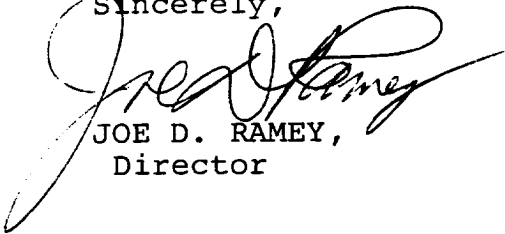
Administrative Order NSL-1620

Gentlemen:

Reference is made to your application for a non-standard location for your Bolack Well No. 3E located 790 feet from the South line and 2045 feet from the East line of Section 20, Township 28 North, Range 8 West, NMPM, Basin Dakota Pool, San Juan County, New Mexico.

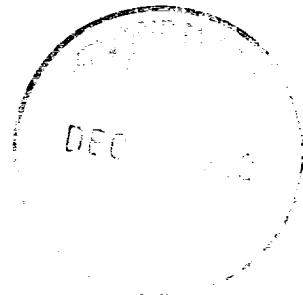
By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,

  
JOE D. RAMEY,  
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec  
Oil & Gas Engineering Committee - Hobbs  
Minerals Management Service - Farmington





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 12-9-92

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL ✓ \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 10-4-92  
for the Tenneco Bolack #3E O-20-78N-8w  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Jeff A. Edmister

# Tenneco Oil Exploration and Production

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249  
Englewood, Colorado 80155  
(303) 740-4800

Delivery Address:  
6061 South Willow Drive  
Englewood, Colorado

November 1, 1982

CERTIFIED MAIL  
Return Receipt Requested

New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87501  
Attn: Joe D. Ramey

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87401  
Attn: Frank Chavez

Application for Unorthodox Location  
Tenneco Bolack 3E  
790' FSL, 2045' FEL  
Sec. 20, T28N, R8W  
San Juan County, New Mexico

Gentlemen:

Attached in duplicate (to each office) are a well location plat (C-102) with an ownership plat for the above referenced well.

Due to the Canon Largo flood plain on the east, this well was placed where it does not conform to state spacing requirements. This is the only geologic and topographic site available

A copy of this application is being submitted to all offset operators by certified mail with a request that they furnish your Santa Fe office with a waiver of objection.

Pursuant to the authority of Rule 104-F we respectfully request your approval of an exemption to the standard well location requirements.

Yours very truly,

TENNECO OIL COMPANY



Ken Russell  
Senior Production Analyst

KR/ch  
Enclosures

## W A I V E R

\_\_\_\_\_ hereby waives objection to Tenneco Oil Company's  
application for unorthodox location for their Tenneco Bolack 3E, proposed above.

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

OFFSET OPERATOR  
Tenneco Bolack 3E  
790' FSL, 2045' FEL  
Sec. 20, T28N, R8W  
San Juan County, New Mexico

El Paso Natural Gas  
Box 990  
Farmington, NM 87401

Attention: Carl E. Matthews

SECRET - 100 8 201

7-10-68

7-10-68

ENERGY AND MINERALS DIVISION

|                                  |              |             |                  |                   |      |
|----------------------------------|--------------|-------------|------------------|-------------------|------|
| Operator                         |              | Loc         |                  | Sec. Two          |      |
| TENNESSEE COAL COMPANY           |              | SOLACE      |                  | 3E                |      |
| Unit Letter                      | Section      | Tract       | County           |                   |      |
| O                                | 20           | 3N          | Searcy           |                   |      |
| Actual Footage Contained on Roll |              |             |                  |                   |      |
| 790                              | Feet used on | Rolls       | Feet used on the |                   | Roll |
| Ground Level Elev.               |              | Elev.       |                  | Estimated Acreage |      |
| 5749                             |              | 5749        |                  | 100               |      |
|                                  |              | Square Feet |                  | Acres             |      |

1. Outline the changes that will be implemented in the next year or two, or back to the year specified below.
2. If more than one year is needed to complete the project, indicate the year when the first year's work will be completed and the year when the project will be completed.
3. If more than one year is needed to complete the project, indicate the year when the first year's work will be completed and the year when the project will be completed.

☒ Yes ☐ No ☐ Don't know ☐ Yes, report is false ☐ No, report is true

If answer is "no" then the two trans-designs are not  $\alpha$ -equivalent. If answer is "yes" then the two trans-designs are  $\alpha$ -equivalent.

No allowable change in net wellhead interests, merger consolidation, or reorganization, utilization, forced-pricing, or other action, a non-standard change in terms of interests, or other, approved by the Commission.

... ..

and he said that he is a member of the  
 the [unclear] and consider to this  
 for [unclear] knowledge and he said,

2000

Conclusion: Analyst.

00000000000000000000000000000000

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, 2678, 26

1. The first is that the well location  
 2. is not in a place planted corn field  
 3. as the other wells made by the  
 4. company are and that the same  
 5. well is located to the east of my  
 6. property and not

September 3, 1982

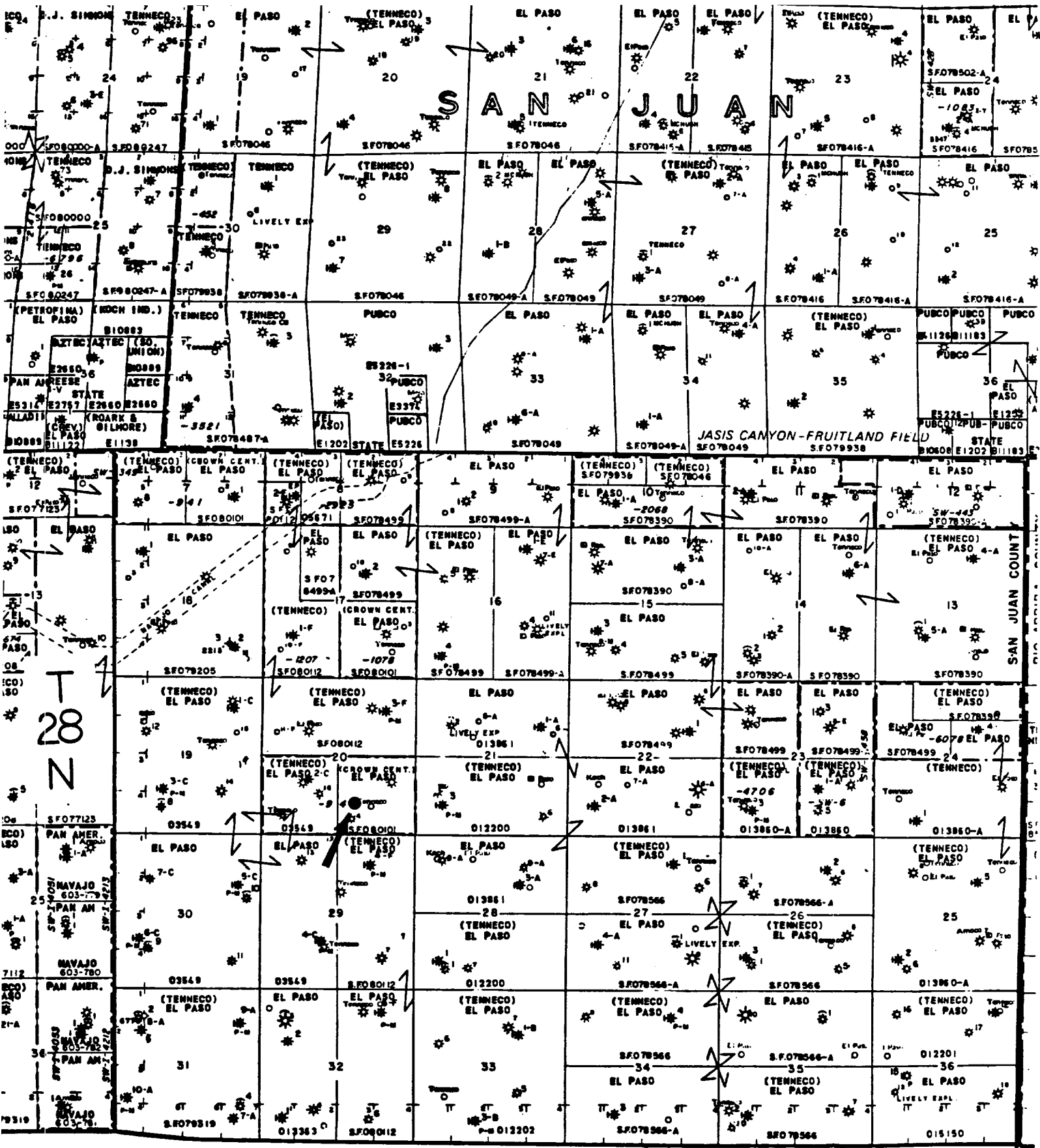
[illegible]

100

1990

THE UNIVERSITY OF CHICAGO

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).



R 8 W

WELL SYMBOLS SHOWING PRODUCING ZONES

- Farmington
- Delta
- Fruitland
- Morrison
- Pictured Cliffs
- Entrada

SCALE - MILES

0 1/4 1/2 1  
MINERALS HAVE LEASE NUMBERS  
AT BOTTOM. OTHER MINERALS A

MAP HAS BEEN VERY CAREFULLY PREPARED