

OIL CONSERVATION COMMISSION  
2 DISTRICT

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

DATE 5-8-63

Re: Proposed NSP \_\_\_\_\_

Proposed NWU \_\_\_\_\_

Proposed NSL \_\_\_\_\_

Proposed NFO \_\_\_\_\_

Proposed DC ✓

Gentlemen:

I have examined the application dated 5-2-63  
for the Continental Oil Co. NE Haynes #4 E-21-24-5  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

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

Yours very truly,

Emory C. Lewis



## CONTINENTAL OIL COMPANY

P. O. Box 3312  
Durango, Colorado  
May 2, 1963

Mr. A. L. Porter  
Secretary and Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Subject: Northeast Haynes No. 4  
Dual Completion

Dear Mr. Porter,

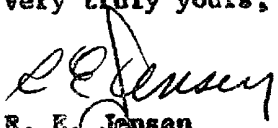
In accordance with New Mexico Oil Conservation Commission rules and regulations in regard to dual completions, we are submitting the required applications, sketches, plats, and logs.

Letters and copies of the application for Northeast Haynes No. 4 has been sent to all offset operators. A copy of this letter is attached for your approval.

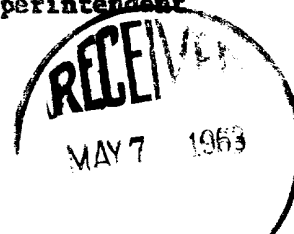
The well in question is presently producing Dakota "J" sand gas into El Paso's high pressure system. It is proposed to cross the Dakota gas over into the annulus (see sketch), 60 feet above the Gallup with a retrievable crossover snap-set packer. Gallup gas and oil will then be produced with a plunger lift system.

We respectfully solicit your approval of this application for the dual completion of Northeast Haynes Well No. 4. Please notify this office if any question arises concerning the subject application.

Very truly yours,

  
R. E. Jensen  
Assistant District Superintendent  
Durango District  
Production Department

cc: NMOC-Santa Fe(2)  
NMOC-Aztec(2)





## CONTINENTAL OIL COMPANY

P. O. Box 3312  
Durango, Colorado  
May , 1963

Mobil Oil Company  
P. O. Box 3371  
Durango, Colorado

Southern Union  
P. O. Box 808  
Farmington, New Mexico

Ken Blackford  
2102 30th Street  
Lubbock, Texas

Gulf Oil Corporation  
P. O. Box 1010  
Casper, Wyoming

Mike Abraham  
First Nat'l Bank Bldg.  
Albuquerque, New Mexico

Amerada Petroleum Co.  
Drawer 601  
Durango, Colorado

Pan American Petroleum  
P. O. Box 480  
Farmington, New Mexico

Gentlemen:

The New Mexico Oil Conservation Commission Rules and Regulations require that all offset operators be furnished copies of multiple completion applications. In accordance with these rules, we are furnishing you with copies of our applications to dually complete the following Continental Oil Company wells located on our Northeast Haynes lease, Rio Arriba County, New Mexico:

Well No. 2 - Section 16 - T24N, R5W  
Well No. 3 - Section 16 - T24N, R5W  
Well No. 4 - Section 21 - T24N, R5W  
Well No. 5 - Section 22 - T24N, R5W  
Well No. 6 - Section 15 - T24N, R5W

The subject wells are to be dually completed in Gallup and Dakota formations.

Very truly yours,

A handwritten signature in dark ink, appearing to read "H. D. Maley".

H. D. Maley  
District Superintendent  
Durango District  
Production Department

cc: NMOC(5) File

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

Field Name <b>Basin Dakota</b>		County <b>Rio Arriba</b>	Date <b>May 6, 1963</b>
Operator <b>Continental Oil Company</b>		Lease <b>Northeast Haynes</b>	Well No. <b>4</b>
Location of Well <b>1650' FNL-1020' FWL</b>	Section <b>21</b>	Township <b>24N</b>	Range <b>5W</b>

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐

2. If answer is yes, identify one such instance: Order No. **R1735**; Operator, Lease, and Well No.:

**Continental Oil Company, Northeast Haynes 9-1**

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<b>Gallup</b>	<b>Dakota "J"</b>
b. Top and Bottom of Pay Section (Perforations)	<b>5533'-5784'</b>	<b>6889'-6699'</b>
c. Type of production (Oil or Gas)	<b>Oil</b>	<b>Gas</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Artificial Lift</b>	<b>Flowing</b>

4. The following are attached. (Please mark YES or NO)

**Yes** a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

**Yes** b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

**Yes** c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.\*

**Yes** d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

**Southern Union - Box 806, Farmington, New Mexico**

**Gulf Oil Corporation - Box 1010, Casper, Wyoming**

**Amerada Petroleum Corporation - Drawer 601, Durango, Colorado**

**Mobil Oil Company - Box 3371, Durango, Colorado**

**Mike Abraham - First National Bank Bldg., Albuquerque, New Mexico**

**Pon American Petroleum - Box 480, Farmington, New Mexico**

**Ken Blackford - 2102 30th St., Lubbock, Texas**

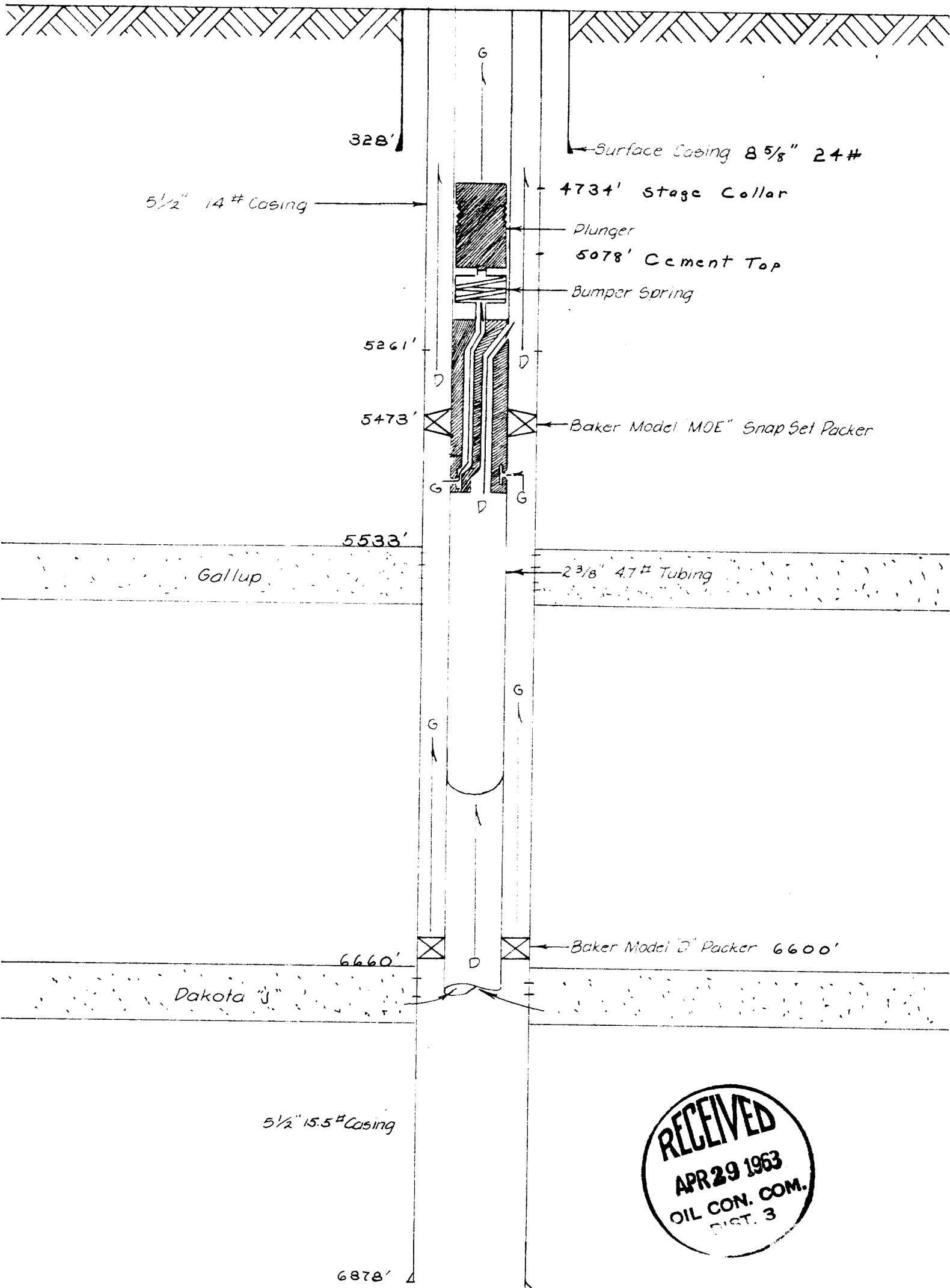
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification **5-6-63**

CERTIFICATE: I, the undersigned, state that I am the **District Superintendent** of the **Continental Oil Company** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

*H. D. Haley*  
Signature

\* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

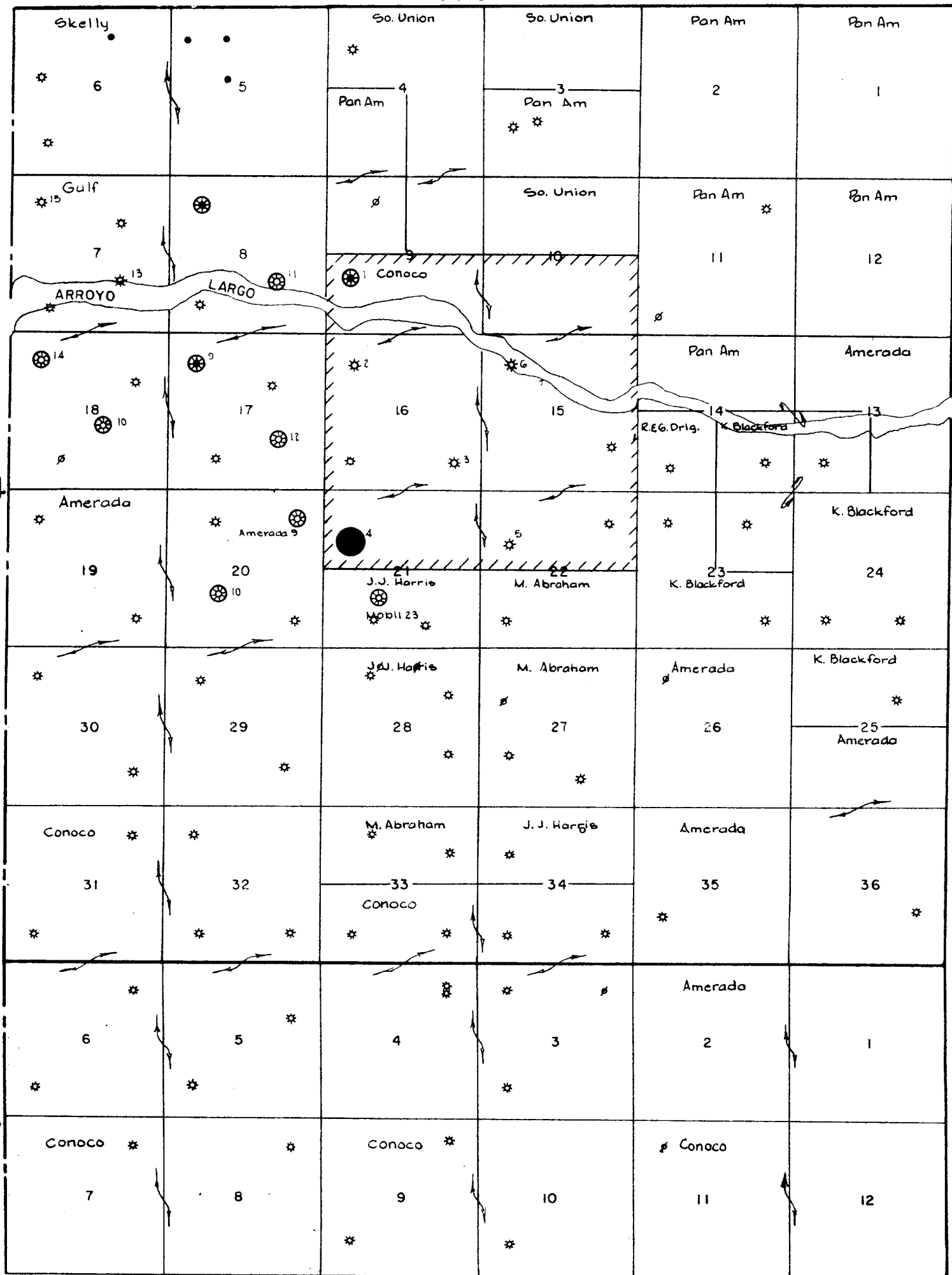




SCHEMATIC DIAGRAM of DUAL  
COMPLETION of NE HAYNES  
No. 4  
CONTINENTAL OIL CO.  
Dakota & Gallup Formations.

R 5 W

T 24 N

T 23 N



 <b>CONTINENTAL OIL COMPANY</b> <b>PRODUCTION DEPARTMENT</b> 		
DRAWN _____ CHECKED _____ APPROVED _____	SCALE 1" = 4,000' DATE 5-6-63 SHEET _____ OF _____	FILE NO. _____
LEASE & WELL LOCATION PLAT.		

THE APPLICATION OF CONTINENTAL OIL COMPANY  
FOR A DUAL COMPLETION

ORDER NO. MC-1328

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A, Continental Oil Company made application to the New Mexico Oil Conservation Commission on May 7, 1963, for permission to dually complete its Northeast Haynes Well No. 4 located in Unit E of Section 21, Township 24 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to produce oil from the Gallup Formation adjacent to the Otero-Gallup Oil Pool and gas from the Basin-Dakota Pool.

Now, on this 27th day of May, 1963, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Continental Oil Company, be and the same is hereby authorized to dually complete its Northeast Haynes Well No. 4 located in Unit E of Section 21, Township 24 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to produce oil from the Gallup formation adjacent to the Otero-Gallup Oil Pool and gas from the Basin-Dakota Pool through the tubing and the casing-tubing annulus respectively.

PROVIDED HOWEVER. That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER. That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Basin-Dakota Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,  
Secretary-Director

1. *Journal of the American Medical Association*, 1990; 263: 1001-1005.

[illegible]

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

On 11/11/54, the subject was interviewed and advised that he had been employed by the United States Army as a private first class from 1944 to 1946. He stated that he had been assigned to the 1st Cavalry Division and was stationed at Fort Benning, Georgia. He stated that he had been assigned to the 1st Cavalry Division and was stationed at Fort Benning, Georgia. He stated that he had been assigned to the 1st Cavalry Division and was stationed at Fort Benning, Georgia.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

the 1990s, the number of people in the United States who are 65 years of age or older is projected to increase from 20 million to 30 million, and the number of people 75 years of age or older is projected to increase from 10 million to 15 million (U.S. Census Bureau, 1996).

Age Group	Percentage of Respondents
18-29	85%
30-49	80%
50-69	75%
70+	70%