

Mobil Oil Corporation

February 25, 1975

New Mexico Oil Conservation Commission (2)
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

MOBIL OIL CORPORATION'S
APPLICATION FOR EXCEPTION
TO RULE 303 (A) FOR
AUTHORIZATION TO DOWNHOLE
COMMINGLE PRODUCTION FROM
THE VACUUM WOLFCAMP AND
NORTH VACUUM ABO POOLS
IN THE WELLBORE OF MOBIL'S
STATE CC COM, WELL NO. 1
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Oil Corporation respectfully requests the administrative approval of our request for an exception to Rule 303 (A) for authorization to commingle production from the Vacuum Wolfcamp and North Vacuum Abo Pools in the wellbore of Mobil's State CC Com Well No. 1. The subject well is located in Unit L, Section 36, T-17-S, R-34-E, Lea County, New Mexico.

In support of this application we submit the following attachments:

- (1) Plat showing location of subject lease and well
- (2) Copies of the latest well tests for each zone in the subject well
- (3) Production decline curves for each subject zone
- (4) Exhibit "A" - Data sheet for both subject zones
- (5) Exhibit "B" - Computation of relative values for subject hydrocarbons
- (6) Existing and proposed wellbore sketches
- (7) Copy of letter requesting waivers from offset operators
- (8) Copy of letter of consent from purchaser of crude

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

Journal of Interpersonal Violence 26(10)

1. The first step is to identify the problem. This involves understanding the symptoms and the context in which they are occurring.

1. The above information was obtained from a review of the files of the Department of the Interior, Bureau of Land Management, and the Bureau of Reclamation, and is being furnished to you for your information.

Journal of Management Inquiry 16(4) December 2007

the fact that the α and β subunits of the $\alpha\beta$ heterodimer are encoded by different genes.

[illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

[illegible]

10. The following information is available for the year ended 31 December 2014:

and the other two are not covered by the law. (5)

percentage of income to voters 3.00% 6.4

New Mexico Oil Conservation Commission
Hobbs, New Mexico
February 25, 1975
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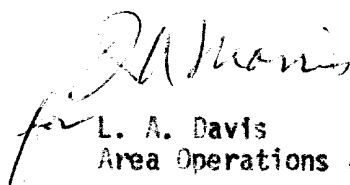
Mobil's Application For Exception
To Rule 303 (A) State CC Com Well #1

We believe that the subject well will qualify for consideration as an exception to Rule 303 (A) because both zones are low productivity oil zones and are compatible, as evidenced by the successful surface commingling of the subject zones since 1964. The total pumped commingled production has been estimated at 67 BOPD, which is less than the 80 BOPD limit set forth in Rule 303 (C). We do not believe that either zone will produce more water than the 80 BPD limit; and do not believe that this proposal will jeopardize any secondary recovery operations.

The ownership of both subject zones is common including working interest and royalty interests; and all interests have previously agreed to the surface commingling of the subject zones as approved by Order PC-216, dated June 25, 1964. As shown on Exhibit "B", the value of the commingled production will be more than the sum of the values of the individual production streams and the purchaser of the crude has consented to this proposal. We do not believe that the proposed commingling will violate correlative rights in any manner and the offset operators have been notified of this application.

We respectfully request your approval of the proposed downhole commingling in Mobil's State CC Com Well No. 1, as we believe that this proposal will result in the more efficient recovery of hydrocarbons and may substantially extend the productive limits of both zones in the subject well, thereby preventing waste. If there should be any questions regarding this application, please call.

Yours very truly,


L. A. Davis
Area Operations Engineer

JHSeerey/cs
Attachments

cc: NMOC Dist. 1, Hobbs

THIS COPY FOR

1. The first part of the document is a letter from the author to the reader, explaining the purpose of the study and the methods used. The letter is dated 1998 and is addressed to the reader.

The second part of the document is a list of references, which includes a variety of sources, including books, articles, and websites. The references are listed in alphabetical order and are used to support the author's arguments.

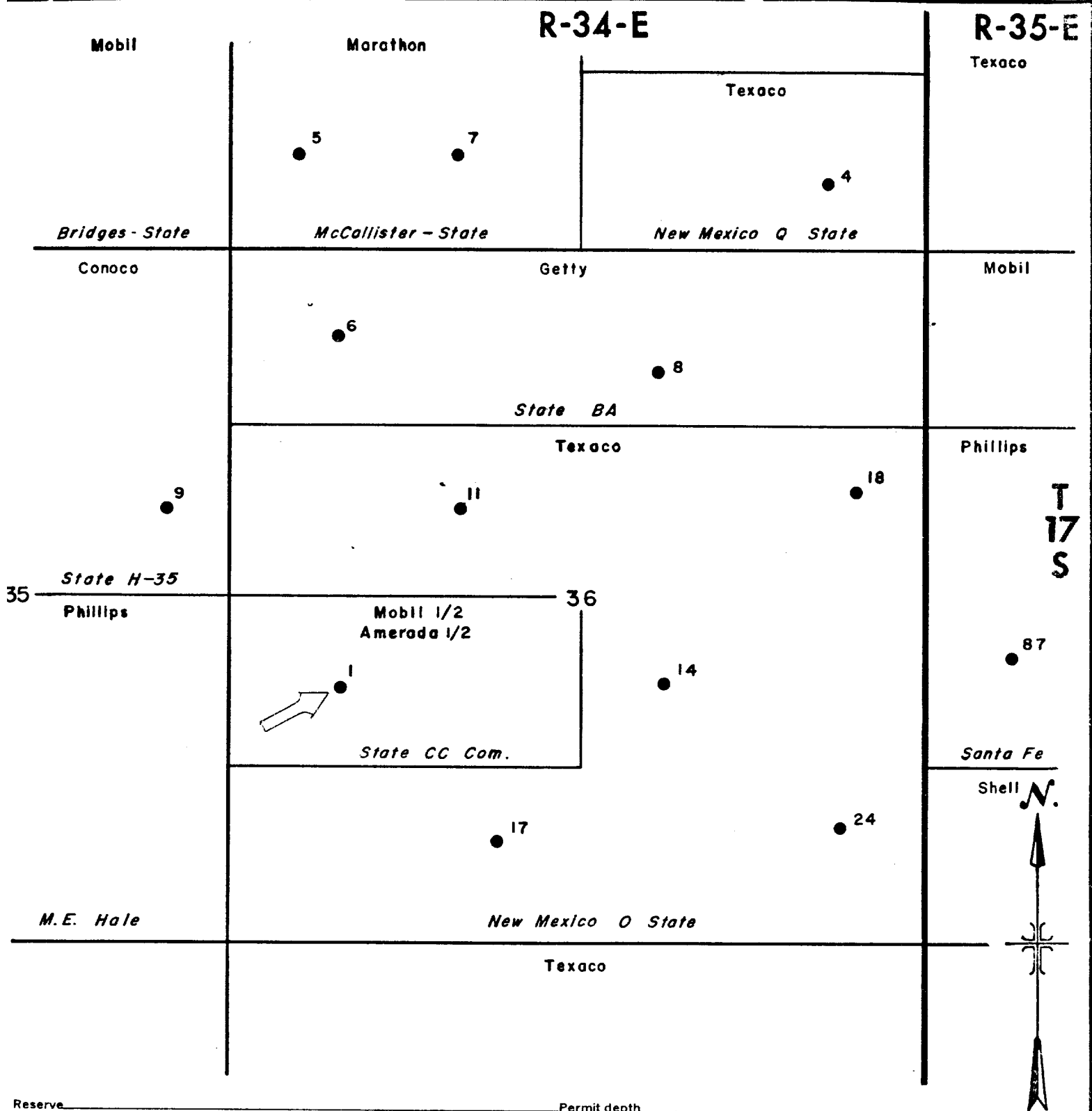
The third part of the document is a list of figures, which includes a variety of charts, graphs, and tables. The figures are used to illustrate the data collected during the study and to support the author's conclusions.

The fourth part of the document is a list of tables, which includes a variety of tables, including a table of contents, a table of figures, and a table of references. The tables are used to organize the data and to provide a clear and concise summary of the study.

Table of Contents

Table of Figures

Table of References



THE STATE OF TEXAS
COUNTY OF MIDLAND

I hereby certify that this plat truly represents conditions as they actually exist on this lease; that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct; that it accurately shows said lease with all wells on same; that number and locations of said wells are as indicated hereon; and that this plat correctly reflects all pertinent and required data.

Mobil Oil Corporation

MIDLAND PRODUCING AREA — MIDLAND, TEXAS

LEASE State CC Com.

WELL NO. _____ DATE _____ 19____

DIVISION _____ LEASE NO. NM-692

TOTAL ACRES IN LEASE 80 ACRES COVERED BY PLAT 80

DESCRIPTION N 1/2 of SW/4 of Sec. 36, T-17-S, R-34-E

(See Dope Sheet for a more detailed description.)

Lea County, New Mexico

DRAWN MLC

DATE 2-24-75

FIELD Vacuum (Wolfcamp)

SCALE 1"=1000'

FILE NO. 50

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County										
MOBILE OIL CORPORATION		VALUENO POOL		LOMA										
Address		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Scheduled <input type="checkbox"/>		Special <input type="checkbox"/>								
PO BOX 633 MIDLAND TEXAS 79701		DATE OF TEST		CHOKES		DAILY ALLOWABLE								
WELL NO.	LEASE NAME	LOCATION			DATE OF TEST	CHOKES	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T					R	WATER BBL.	GRAV. OIL		OIL BBL.	GAS M.C.F.
1	STATE CO	L	30	17	34	1-24-75	2"	18	24	17	390	17	42	2.2

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

Christian D. Fickel
(Signature)
Anthony D. Leggett
(Title)
2-24-75
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Completion		Special																	
Address		TYPE OF TEST - (X)		SCHEDULED		PROD. DURING TEST		GAS - OIL RATIO																	
LEASE NAME		WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		TBG. PRESS.		DAILY ALLOWABLE		LENGTH OF TEST HOURS		WATER BBLs.		GRAV. OIL		OIL BBLs.		GAS M.C.F.		GAS - OIL RATIO CU.FT./BBL.	
MOBILE OIL CORPORATION		VALLEY		MIDLAND, TEXAS		7-7-71		2 1/2"		F 2 1/4"		1		24		0		402		1		0		0.000	
STATE CO		1		L 36 17 34		1-27-75																			

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

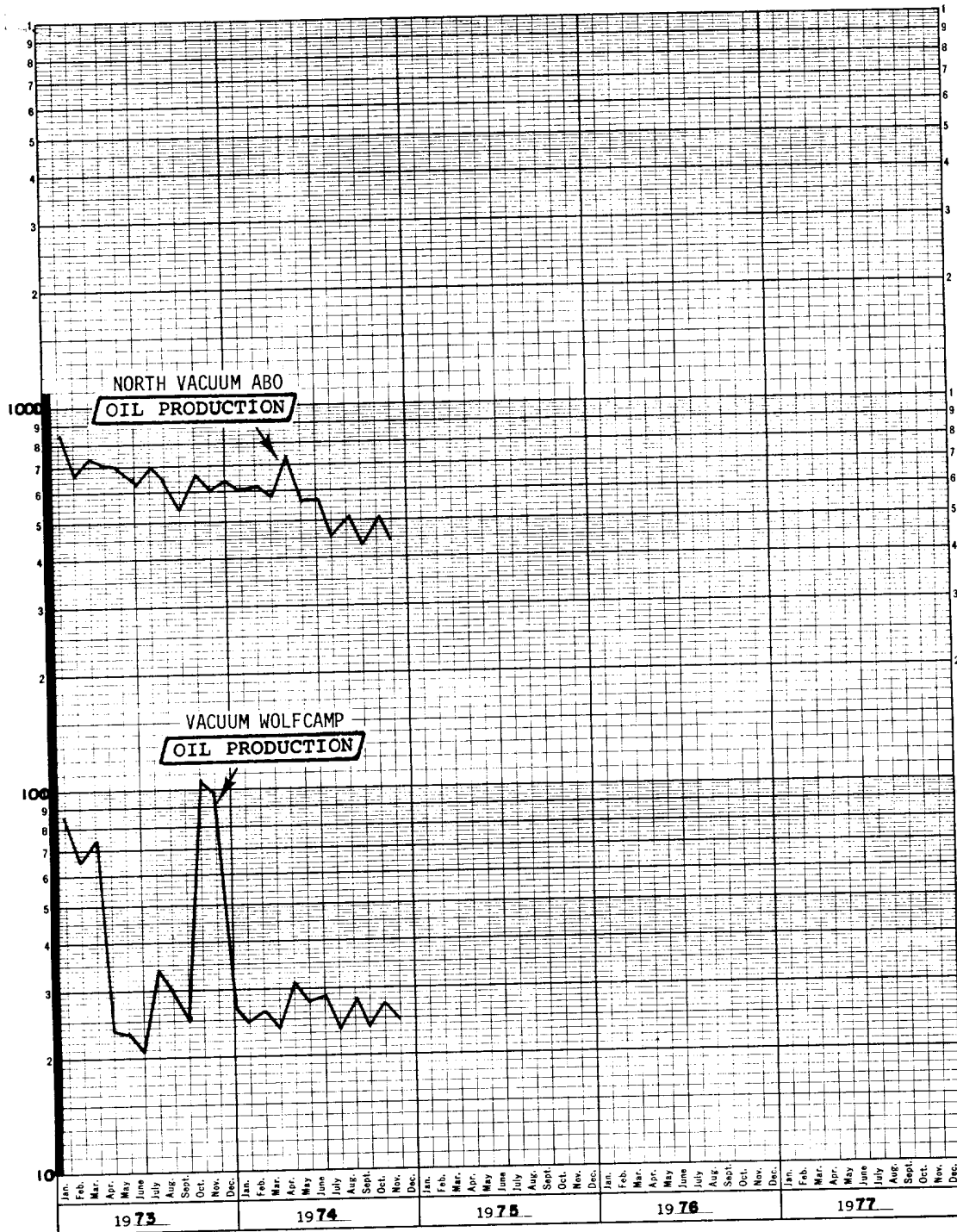
No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

Christine C. Tucker
(Signature)
Authorized Agent
(Title)
2-24-75
(Date)

OIL PRODUCTION BBLs./MONTH



Mobil Oil Corporation
 Midland Producing Area
 Midland, Texas
 STATE "CC" COMM #1
 UNIT L, SEC. 36, T17S, R34E
 LEA COUNTY, NEW MEXICO
 PRODUCTION DECLINE CURVES

Scale

Date 2/19/75
 Drawn JEN
 Checked
 Approved JWS
 Revised

EXHIBIT "A"
DATA SHEET

MOBIL OIL CORPORATION
P. O. BOX 633
MIDLAND, TEXAS 79701

APPLICATION FOR EXCEPTION TO RULE 303(a) OF NEW MEXICO OIL CONSERVATION
COMMISSION'S RULES & REGULATIONS ALLOWING DOWNHOLE COMMINGLING OF DUALY
COMPLETED OIL WELLS BY ADMINISTRATIVE PROCEDURE (ORDER NO. R-3845)

1. Lease Name State CC Com
2. Well No. 1
3. Well Location: Unit L, 860 feet from West line, 1980
feet from South line of Section 36, Township 17S Range 34E,
Lea County, New Mexico
4. Upper Zone North Vacuum Abo
5. Completion Interval 9115-9185'
6. Lower Zone Vacuum Wolfcamp
7. Completion Interval 9962-10,032'
8. Dual Completion Authorized by Commission Order No. MC-1532
9. Current Productivity Test Summary (Form C-116 attached)

	North Vacuum Abo (Upper Zone)	Vacuum Wolfcamp (Lower Zone)
Producing Method	Pump	Flow
Oil	17 BOPD	1 BOPD
Gas	42 MCFD	5 MCFD
Water	17 BWPD	0
GOR	2470	5000
GOR Limit	2000	2000

10. Bottom-hole Pressure of Upper Zone 750 psi (est.)
11. Bottom-hole Pressure of Lower Zone 793 psi
12. Fluid Characteristics of Each Zone Both zones produce an intermediate
sweet type crude.

By: _____

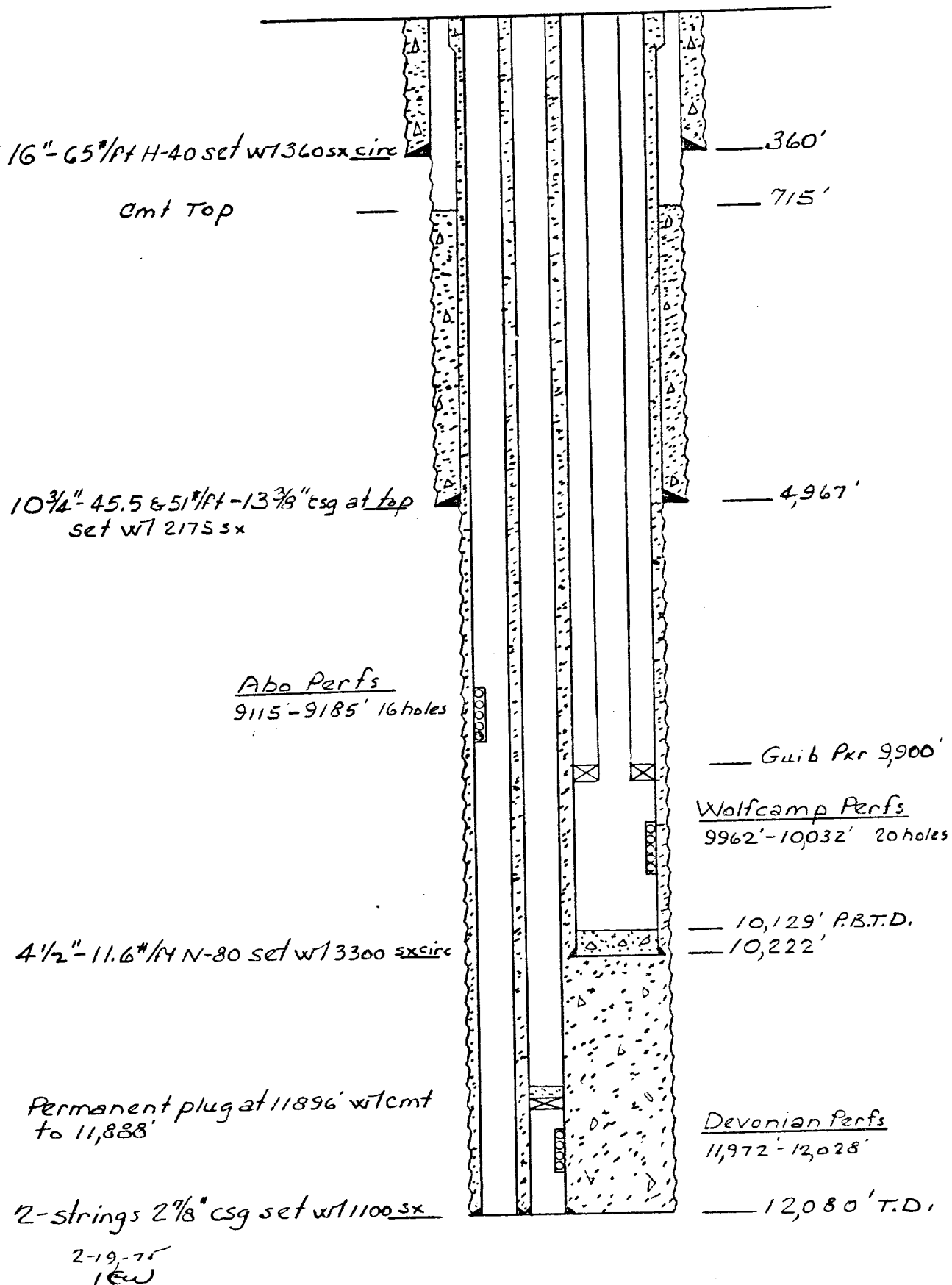
EXHIBIT "B"
MOBIL OIL CORPORATION
P. O. BOX 633
MIDLAND, TEXAS 79701
COMPUTATION OF RELATIVE
VALUES OF THE HYDROCARBON
PRODUCTIVE BEFORE AND
AFTER DOWNHOLE COMMINGLING
(STATEWIDE RULE 303-C-2-h)

LEASE AND WELL NUMBER	State CC Com Well No. 1		
	<u>UPPER POOL</u>	<u>LOWER POOL</u>	<u>COMMINGLED</u>
POOL NAME	<u>North Vacuum Abo</u>	<u>Vacuum Wolfcamp</u>	
GRAVITY, API	<u>39.0</u>	<u>40.2</u>	<u>39.9</u>
SELLING PRICE /BBL.	<u>5.29</u>	<u>5.31</u>	<u>5.29</u>
DAILY PRODUCTION /BBL.	<u>17</u>	<u>1</u>	<u>67</u>
DAILY INCOME	<u>89.93</u>	<u>5.31</u>	<u>\$354.43</u>
TOTAL DAILY INCOME(POOLS SEPARATED) \$	<u>95.21</u>		

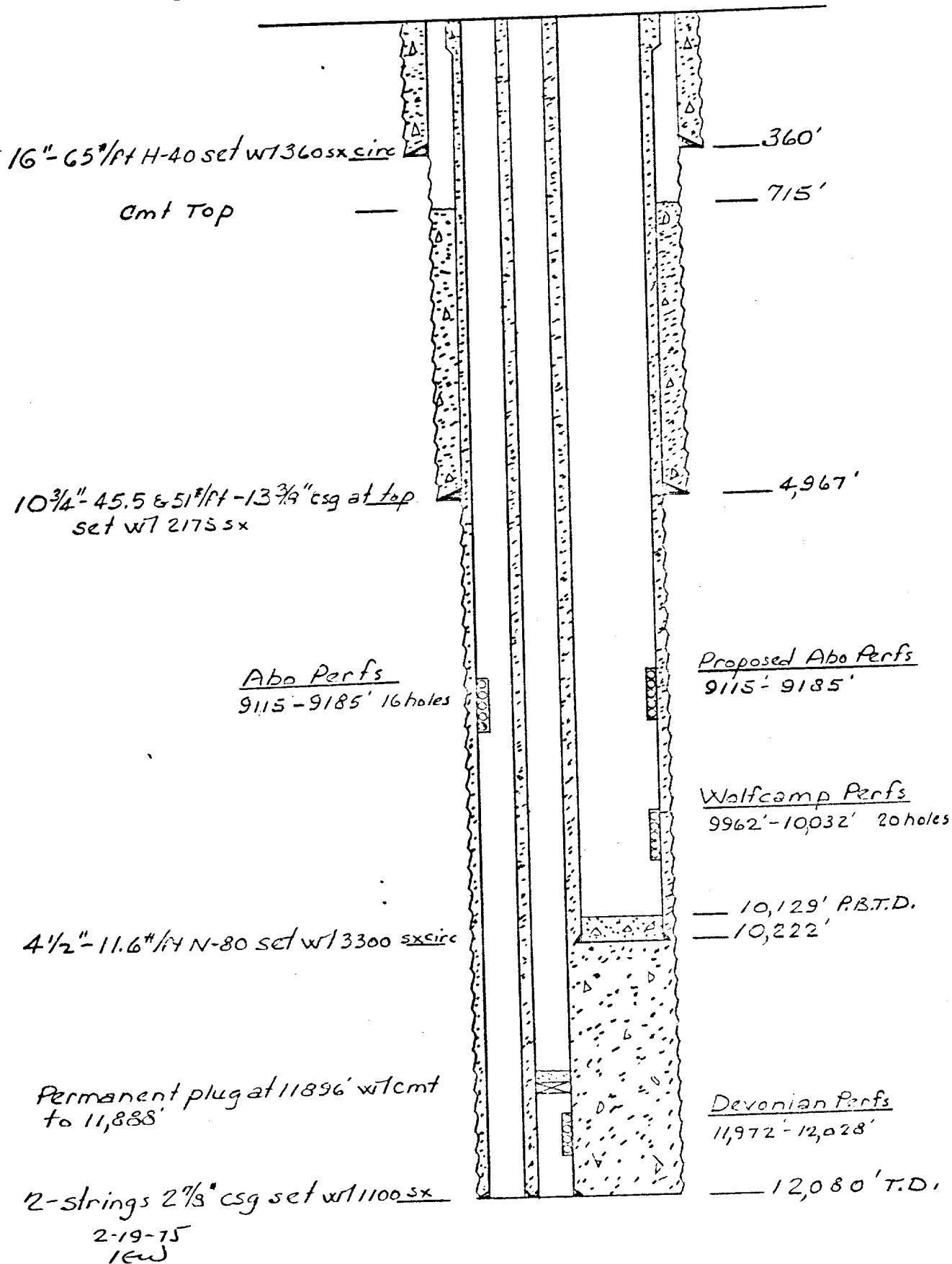
Net difference realized from downhole commingling based on current well test =
\$259.22 /day---gain or loss.

REMARKS: There will be no real difference in the selling price of the crude
because both zones have been commingled on the surface since 1964 in accordance
with NMOCC Order PC-216.

Diagrammatic Well Sket
State CC Com. Well No.
Vacuum Wolfcamp & North Vacuum Abo Pools
Unit L, Sec 36, T-17S, R-34E
Lea County, New Mexico



Diagnostic Well Sket
State CC Cam Well No. 1
Vacuum Wolfcamp & North Vacuum Abo Pools
Unit L, Sec 36, T-17S, R-34E
Lea County, New Mexico



Mobil Oil Corporation

P. O. BOX 633
MIDLAND, TEXAS 79701

February 25, 1975

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Texaco, Inc.
P. O. Box 3109
Midland, Texas 79701

REQUEST FOR WAIVER
MOBIL OIL CORPORATION'S
APPLICATION FOR DOWNHOLE
COMMINGLING, STATE CC COM
WELL NO. 1, VACUUM WOLFCAMP
AND NORTH VACUUM ABO POOLS,
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Oil Corporation proposes to submit an application to the New Mexico Oil Conservation Commission to request an exception to Rule 303 (A) and authorization to commingle, within the wellbore of Mobil's State CC Com Well No. 1, production from the Vacuum Wolfcamp and North Vacuum Abo Pools. The subject well is located in Unit L, Section 36, T17S, R34E, Lea County, New Mexico.

The basic data for each of the zones proposed to be commingled in the subject well is as follows:

	<u>VACUUM WOLFCAMP</u>	<u>NORTH VACUUM ABO</u>
Gravity	40.2°	39.0°
Present Production - Oil	1 BOPD	17 BOPD
- Water	0	17 BOPD
- Gas	5 MCFD	42 MCFD
- GOR	5000	2470
Interval	9962' - 10,032'	9115' - 9185'
Shut-in Pressure	793 psi	750 psi (est.)

Continental Oil Co.
Texaco, Inc.
February 25, 1975
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Mobil's Application For Downhole
Commingling, State CC Com Well #1
Vacuum Wolfcamp and North Vacuum
Abo Pools

We believe that the subject well will qualify for consideration as an exception to Rule 303 (A), since the zones requested to be commingled are both marginal oil zones and are compatible, as evidenced by the successful commingling of the subject zones on the surface since 1964. The ownership of both zones to be commingled is common, including working interest and royalty. We do not believe that the proposed commingling will jeopardize any secondary recovery operations and the value of the production will not be diminished.

A plat of the area showing the location of the subject well is attached hereto. If you, as offset operator, have no objection to this application, please sign the approval provided below and return two copies in the self-addressed envelope provided.

Yours very truly,

(JAL) L. A. Davis
Area Operations Engineer

JHSeerey/cs
Attachment

The undersigned waives objection to
the application contained herein.

Company: _____

Title: _____

Signature: _____

Date: _____

INTEROFFICE CORRESPONDENCE

DATE February 19, 1975

TO J. H. Seerey

C.C.

STATE CC COMM
LEA COUNTY, NEW MEXICO

Mobil Oil Corporation, as the purchaser of the intermediate production of the above captioned lease, has no objection to the downhole commingling of the Abo and Wolfcamp crude oil.

T. N. Ludlum
T. N. Ludlum
Midland Crude Oil Department

TNL/tw