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NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No. B-1520

1a. TYPE OF WELL		OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Unit Agreement Name	
b. TYPE OF COMPLETION		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		8. Farm or Lease Name Bridges State	
2. Name of Operator Mobil Oil Corporation				9. Well No. 116	
3. Address of Operator P. O. Box 633, Midland, Texas				10. Field and Pool, or Wildcat Vacuum N. Abo and Vacuum Wolfcamp	
4. Location of Well					
UNIT LETTER L LOCATED 1880 FEET FROM THE South LINE AND 510 FEET FROM				12. County Lea	
THE West LINE OF SEC. 24 TWP. 17-S RGE. 34-E NMPM					
15. Date Spudded 7-1-66 6:00 PM		16. Date T.D. Reached 8-12-66		17. Date Compl. (Ready to Prod.) 8-22-66	
18. Elevations (DF, RKB, RT, GR, etc.) 4030 GR		19. Elev. Casinghead 4030 GR			
20. Total Depth 10,436		21. Plug Back T.D. 10,070		22. If Multiple Compl. How Many Vacuum N. Abo & Vacuum Wolfcamp	
23. Intervals Drilled By X		Rotary Tools		Cable Tools	
24. Producing Interval(s), of this completion — Top, Bottom, Name Vacuum N. Abo 8441 - 8488 Vacuum Wolfcamp 9605 - 10,054				25. Was Directional Survey Made Yes	
26. Type Electric and Other Logs Run Schlumberger - GR-8, Dual Induction Electrical & Welex GR - Collar Corr.				27. Was Well Cored No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	372'	17-1/2"	350 Sax Incor Neat	
9-5/8"	40#	4971'	12-1/4"	2200 Sax Incor, 6% Jel	
				+ 100 Sax Neat	
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE
7"	4671'	10,436	265 Incor		See Attachment No. IV
			4% Jel + 100 Sax Neat		
31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
Vacuum N. Abo 8441, 46, 49, 51, 72, 75, 80, 85, 88 w/1 JSFF Total 9 holes.			DEPTH INTERVAL		
Vacuum Wolfcamp 9605, 09, 11, 17, 31, 35, 43, ALSO SEE 47, 50, 53, 57, 9945, 49, ATTACHMENT NO. I 10,024, 026, 036, 045, 052, 054			AMOUNT AND KIND MATERIAL USED		
/W/JSFF Total 19 holes /			REFER TO ATTACHMENT NO. II		
33. PRODUCTION			REFER TO ATTACHMENT NO. III		
Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)			Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold				Test Witnessed By	
35. List of Attachments Summary of Operations					
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNED T. A. Payne		TITLE Authorized Agent		DATE October 31, 1966	

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except on state land, where six copies are required. See Rule 110C.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Canyon	T. Ojo Alamo	T. Penn. "B"	T. Penn. "B"
T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"	T. Penn. "C"
T. Aloka	T. Pictured Cliffs	T. Penn. "D"	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Ortiz
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. T.
T. Blinberry	T. Gr. Wash	T. Morrison	T. T.
T. Tubb	T. Granite	T. Todillo	T. T.
T. Drinkard	T. Delaware Sand	T. Entrada	T. T.
T. Abo	T. Bone Springs	T. Wingate	T. T.
T. Wolfcamp	T. T.	T. Chinle	T. T.
T. Penn.	T. T.	T. Permian	T. T.
T. Cisco (Bough C)	T. T.	T. Penn. "A"	T. T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	40	40	Caliche				
40	372	372	Red Bed				
372	3838	3838	Anhydrite				
3838	4411	4411	Lime				
4411	4971	4971	Lime & Anhydrite				
4971	9391	9391	Lime				
9391	9738	9738	Lime & Sand				
9738	10032	10032	Lime				
10032	10365	10365	Lime & Shale				
10365	10436	10436	Lime				
10436	10436	10436	T. D.				

MORIL OIL CORPORATION
BRIDGES STATE WELL NO. 116

ATTACHMENT I

Perforation Record - (Line 31)

<u>Vacuum Hook Penn.</u>	10,087, 089, 091, 093, 099, 101, 103, 106, 109, 118, 120, 123, 127, 132, 135, 139, and 10,141 w/1 JSFF Total 17 holes.
<u>Vacuum H. Abe</u>	8441, 46, 49, 51, 72, 75, 80, 85, and 8488 w/1 JSFF Total 9 holes.
<u>Vacuum Gloriata</u>	6060, 62, 65, 67, 79, 81, 83, 85, 87, 91, 93, 95, 97, 6100, 03, 08, and 6110 w/1 JSFF Total 17 holes.
<u>Vacuum Gloriata</u>	6060, 62, 65, 67, 79, 81, 83, 85, 87, 91, 93, 95, 97, 6100, 03, 08, and 6110 w/1 JSFF Total 17 holes.
<u>Vacuum Gloriata</u>	6053 w/2 JSFF Total 2 holes. 6125 w/2 JSFF Total 2 holes.
<u>Vacuum H. Abe</u>	6060, 62, 65, 67, 79, 81, 83, 87, 91, 93, 95, 97, 6100, 03, 08, and 6110 w/1 JSFF Total 17 holes.
<u>Vacuum Halfmoon</u>	9605, 09, 11, 17, 31, 35, 43, 47, 50, 53, 57, 9945, 49, 10024, 026, 036, 045, 052, and 10054 w/1 JSFF Total 19 holes.
<u>Vacuum Hook Penn.</u>	10,087, 89, 91, 93, 99, 10101, 103, 106, and 10,109 w/1 JSFF Total 9 holes.

THE
JOURNAL OF
THE
ROYAL ANTHROPOLOGICAL INSTITUTE

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MOBIL OIL CORPORATION
BRIDGES STATE WELL NO. 116

ATTACHMENT NO. II

Acid. Shot. Fracture. Cement Squeeze. Etc. - (Line 32)

<u>Depth Interval</u>	<u>Amount and Kind Material Used</u>
8441 - 8488	1000 Gals. 15% NE Acid. 3000 Gals. 15% NE Acid + 5 RGN Ball Sealers.
6060 - 6110	Squeezed W/200 Sacks Trinity Inferno Neat.
6060 - 6110	Squeezed W/125 Sacks Trinity Inferno Neat.
6053	Squeezed W/20 Sacks Trinity Inferno Neat.
6125	Squeezed W/100 Sacks Trinity Inferno Neat.
6060 - 6110	500 Gals. 15% NE Acid.
10,087 - 10,141	1000 Gals. 15% NE Acid.
6060 - 6110	1000 Gals. 7-1/2% XLST Acid.
6060 - 6110	Squeezed W/250 Sacks Trinity Inferno Neat.
9605 - 10,054	1000 Gals. 15% NE Acid.
9605 + 10,054	3000 Gals. 15% NE Acid + 15 RGN Ball Sealers.
10,087 - 10,141	3000 Gals. 15% NE Acid + 15 RGN Ball Sealers.
10,087 - 10,141	Squeezed W/100 Sacks Vis.
10,087 - 10,141	500 Gals. 15% NE Acid.
10,087 - 10,141	500 Gals. 15% NE Acid.
10,087 - 10,141	500 Gals. 15% NE Acid.
10,087 - 10,141	1000 Gals. 15% NE Acid.
10,087 - 10,141	Squeezed W/100 Sacks Trinity Inferno Neat.

MOBIL OIL CORPORATION
BRIDGES STATE WELL NO. 116

ATTACHMENT III

Production - (Line 33)

Vacuum Wellbore

Date of First Production	10/12/66
Production Method	Flowing
Well Status	Producing
Date of Test	10/14/66
Hours Tested	24 Hrs.
Choke Size	25/64
Production for Test Period	Oil: 304 Bbls. Gas: 322 MCF No Water GOR 1060/1
Tubing Pressure	300#
Casing Pressure	Packer
Calculated 24 Hours Rate	Oil: 304 Bbls. Gas: 322 MCF Oil Grav: 37.0 @ 64°

North Vacuum Abo

Date of First Production	8/22/66
Production Method	Flowing
Well Status	Producing
Date of Test	8/22/66
Hours Tested	24 Hrs.
Choke Size	12/64"
Production for Test Period	Oil: 288 Bbls. Gas: 155 MCF Water: 16 Bbls Acid Water (537 to 1 GOR)
Flow Tubing Pressure	350
Casing Pressure	-
Calculated 24 Hours Rate	Oil: 288 Bbls. Gas: 155 MCF 16 Bbl. AW, Oil Grav: 39.2 @ 60°

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10⁴ (□), 10⁵ (○), 10⁶ (△), 10⁷ (◇), 10⁸ (▽) and 10⁹ (×) spores/g substrate. The substrate was a mixture of 100 g of wheat bran and 100 g of water. The substrate was incubated at 25 °C for 7 days. The data are the mean ± SD of three replicates.

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

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 UV-Visible Spectrophotometer. The concentration of chlorophylls was expressed in $\mu\text{g mL}^{-1}$.

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.

Figure 1. The effect of the concentration of the H_2O_2 solution on the amount of the released H_2O from the H_2O_2 -loaded hydrogel. The amount of the released H_2O was measured by the weight difference of the hydrogel before and after the release. The concentration of the H_2O_2 solution was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 wt. %.

[illegible]

MOBIL OIL CORPORATION
BRIDGES STATE WELL NO. 116

ATTACHMENT NO. IV

Tubing Record - (Line 30)

<u>Size</u>	<u>Depth Set</u>	<u>Peaker Set</u>
2-3/8"	8537	-
2-3/8" (Vent String)	9523	9523
2-3/8"	9928	-

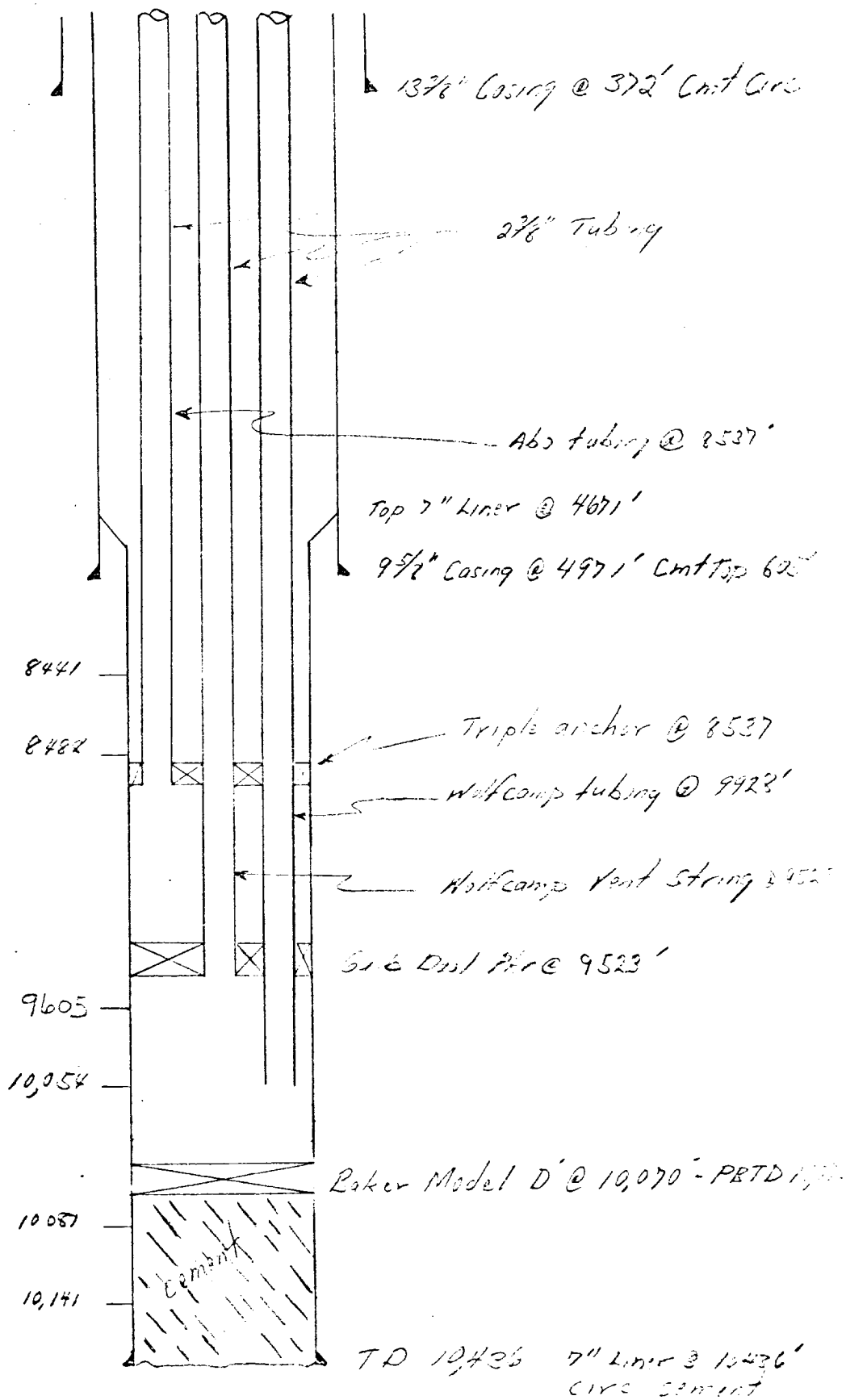
Mobil oil corp.

Bridges State #116

Vacuum Abo

Vacuum Wolfcamp

Penn sqzd w/100sx



STATE BRIDGES #116, Sec 24, Twp 175, R-34-E, 183' SW of State Bridges #23,
Lea Co, N.M., development well. OBJECTIVE: Upper Penn zone - Wlfc: Glorieta.
Est TD 10,500.

6/30 Marcum Drlg Co. - MIRT.

7/1 STATE BRIDGES #116.
RURT.

7/2 STATE BRIDGES #116.
(1) 372; not drlg red bed, 17½" hole, ½ @ 372; sp mud.
WOC on 372, 13-3/8 csg 48# S-40, cemented @ 372 by Hallib w/ 350sx Incor
2% CaCl₂, PD 2:30 a.m. 7/2/66. Cem circ. Marcum Drlg Co/spudded 6 p.m.
7/1/66.

7/5 (4) 2872 drlg anhy, 12¼" hole, 1½ @ 2570, br wtr.
WOC a total of 18 hrs on 13-3/8 csg. Tested 13-3/8 csg & BOP 1000#
30 min ok.

7/6 STATE BRIDGES #116.
(5) 3145 drlg anhy, 12¼" hole, ½ @ 3090, br wtr, 10.2-34.

7/7 STATE BRIDGES #116.
(6) 3438 drlg anhy, 12¼" hole, 1° @ 3389, br wtr & oil.

7/8 STATE BRIDGES #116
(7) 3655 drlg anhy, 12¼" hole, ½ @ 3490, Br wtr & oil.

7/9 STATE BRIDGES #116
(8) 3838 drlg anhy, 12¼" hole, ¾ @ 3783, br wtr & oil.

7/11 (10) 4139 drlg anhy & lm, 12¼" hole, 2 @ 4080, br wtr & oil.

7/12 STATE BRIDGES #116
(11) 4269 drlg lm, 12¼" hole, 1½ @ 4265, br wtr & oil.

7/13 STATE BRIDGES #116
(12) 4411 drlg lm & anhy 12¼" hole, 1½ @ 4408, br wtr & oil

7/14 STATE BRIDGES #116
(13) 4600 drlg lm, 12¼" hole, IND, br wtr & Oil

7/15 STATE BRIDGES #116
(14) 4810 drlg lm, 12¼" hole, 1½ @ 4596, br wtr & oil

7/16 STATE BRIDGES #116
(15) 4971 ND lm, 12¼" hole, 1½ @ 4805, br wtr & oil
ran Drilprodco fluid caliper @ 4950, prep to run 9-5/8 csg.

7/18 (17) 5191 drlg lm, 8-3/4" hole, ND, fresh wtr - Ran 4971 of 9-5/8"
csg, 31 jts 967' 40# J-55 ST&C, 130 jts 36# 4004' J-55 ST&C, cemented
on bottom by Howco w/2200 sx incore 65 gal 1/4" floseal + 100 sx incor
neet, plug down @ 4:00 pm 7-16-66, cement did not circ, WOC 6 hrs,

7/18 STATE BRIDGES #116 (Cont'd)
 ran temperature survey, top of cement 605', nipples up 9-5/8" csg, install BOP's, tested csg & BOP's, 2000#/30 min - ok. WOC total 24½ hrs.

7/19 STATE BRIDGES #116
 (18) 5590 drlg 1m, 8-3/4" hole, 1½° @ 5510, fresh water

7/20 STATE BRIDGES #116
 (19) 5870 drlg 1m, 8-3/4" hole, 1° @ 5650, fresh water.

7/21 STATE BRIDGES #116
 (20) 6210 ND, 1m, 8-3/4" hole, 1/2° @ 6205, fresh water. Schlumberger running OH logs past 4 hrs.

7/22 STATE BRIDGES #116
 (21) 6546 drlg 1m, 8-3/4" hole, NND, fresh water
 Schl. ran GR-S - Dual induction logs from 4971-6206, total 12 hrs.

7/23 STATE BRIDGES #116
 (22) 6890 drlg 1m. 8-3/4" hole. NND. Fresh wtr.

7/25 (24) 7403 drlg sdy 1m. 8-3/4" hole. ½° @ 6920. Fresh wtr.

7/26 STATE BRIDGES #116
 (25) 7553 drlg 1m. 8-3/4" hole. 1/2 @ 7420. fresh wtr.

7/27 STATE BRIDGES #116
 (26) 7762 drlg 1m, 8-3/4" hole. NND. Fresh wtr.

7/28 STATE BRIDGES #116
 (27) 8000 drlg 1m. 8-3/4" hole. NND. Fresh wtr.

7/29 STATE BRIDGES #116
 (28) 8200 drlg 1m. 8-3/4" hole. ½ @ 8130. Fresh wtr.

7/30 STATE BRIDGES #116
 (29) 8393 drlg 1m. 8-3/4" hole. ½ @ 8300. Fresh wtr.

8/1 (31) 8853 drlg 1m. 8-3/4" hole. ¼ @ 8805. 8.6-34-18.0. Mud up @ 8500.

8/2 STATE BRIDGES #116
(32) 9032 drlg 1m, 8-3/4" hole, NND, 8.6-34-14.0

8/3 STATE BRIDGES #116
(33) 9181 drlg 1m, 8-3/4" hole, 1/2° @ 9125, 9.0-36-14.2

8/4 STATE BRIDGES #116
(34) 9391 drlg 1m, 8-3/4" hole, 1/4° @ 9310 - 9.0-34-15.0

8/5 STATE BRIDGES #116
(35) 9553 drlg 1m & sd, 8-3/4" hole; 3/4° @ 9505, 9.0-34-14.0

8/6 STATE BRIDGES #116
(36) 9738 drlg 1m. 8-3/4" hole. NND. 9.0-34-14.2.

8/8 (38) 10,032 drlg 1m & sh. 8-3/4" hole. 1° @ 10,030. 9.0-34-15.0.

8/9 BRIDGES STATE #116
(39) 10,257 drlg 1m & sh. 8-3/4" hole. NND. 9.1-36-12.3.

8/10 BRIDGES STATE #116
(40) 10,365 ND 1m. 8-3/4" hole. 1-3/4 @ 10,365. 9.1-36-9.8.
Schl running OH logs past 3 hrs.

8/11 BRIDGES STATE #116
(41) 10,416 drlg 1m. 8-3/4" hole. NND. 9.3-35-10.2.
Schl ran GR-S & Dual Induction logs to 10,358 S.M. in total 15½ hrs.

8/12 BRIDGES STATE #116
(42) 10,436 TD 1m. 8-3/4" hole. WOC 7" liner, circ 3½ hrs, pull bit, ran 124 jts 7" OD 23# S-95 liner 5976' using BWS 6-slip hanger top of liner @ 4671, Howco cemented w/ 265 sx Incor 4% gel + 100 sx Incor Neat PD @ 3:45 a.m. 8/12/66. WOC.

BRIDGES STATE #116, 10,436 TD.

WOC 7" liner - 6 hrs Worth Well ran temp survey, top of cement 8195, Worth Well perforated 7" liner w/ 4 hole @ 8185, ran Howco DM Ret on 4½ DP set in 7" liner @ 4701, broke circ thru holes @ 8185, then Howco cemented w/ 600 sx Incor, 4% gel cement - displace cement in liner to 7900, pull DP, WOC 8 hrs, ran 8-3/4" bit, drill cement in 9-5/8" csg 4171-4671 top of liner, circ hole clean, tested top of liner 2500# 30 min/ok, now laying down DP.

8/15 WOC 7" liner past 48 hrs. Rel Marcum Drlg Co rig @ 11:00 a.m. 8/13/66.
Prep to set out rig

- 8/16 BRIDGES STATE #116, 10,436 TD.
WOC 7" liner 24 add'l hrs. MORT, install unit anchors, MIRU Baber Well Serv DD Unit, inst'l BOP. SD for night.
- 8/17 BRIDGES STATE #116, 10,436 TD.
Ran 6-1/8" bit on 3 - 4-3/4 DC's and 2-3/8 tbg to 4701, rigged up M&B reverse unit drill ret in 7" liner @ 4701 and cement 7730-8204, ran bit to 8251, displ mud w/ wtr, pulled bit, prep to run RTTS pkr and test perfs @ 8185.
- 8/18 BRIDGES STATE #116, 10,436 TD.
Ran RTTS pkr on 2-3/8 tbg to 8100, tested perfs @ 8185 w/ 2600# 30 min/ok. Ran RTTS pkr to 10,051, stopped, pull pkr, ran 6-1/8 bit, 3 - 4 1/4 DC on 2-3/8 tbg 10,051, drill cement stringers to 10,386, now displacing wtr w/ oil past 2 hrs.
- 8/19 ✓ BRIDGES STATE #116, 10,436 TD.
Finish displacing wtr w/ oil, pull tbg, DC's and bit, Welex ran GR-Collar-Corr log from 5800 to 10,375 equals PETD, then perforated 7" liner in the Upper Penn @ 10,087, 089, 091, 093, 099, 10,101, 103, 106, 109, 118, 120, 123, 127, 132, 135, 139, and 10,141 w/ 1JSP/F, total 17 holes, ran RTTS pkr on 2-3/8 tbg to 10,027, swab 32 BLO in 3 hrs, then flowed 8 BLO + 2 BNO in 1 hr on 32/64 ck, TP 300, S/O 95% oil, 5% BS. Cont'd to test.
- 8/20 BRIDGES STATE #116, 10,436 TD, 10,375 PETD, Penn (10,087-10,141)
On OCC Pot Test: Fl 84 BNO & no wtr in 6 hrs, Calculated 24 hr rate 336 BOPD on 15/64 ck, GOR 1041:1, Grav 41.2 @ 60. TP 280. Allowable 294 BOPD, Top allowable 294 BOPD, Cap 336 BOPD. Completed 8:00 p.m. 8/18/66. L hr Fl 14 BNO, S/O clean.
Howco cone hole w/ LO - pulled tbg & RTTS pkr - Welex set Guib type A perm pkr w/ knock out plug in place, in 7" liner @ 10,040, then perforated 7" liner in the Abo @ 8441, 46, 49, 51, 72, 75, 80, 85, & 8488 w/ 1 JSP/F, total of 9 holes, ran RTTS pkr on 2-3/8 tbg to 8310, swab 36 BLO in 2 hrs, 7200' FTH, fr sh of gas, L hr swab 20 bbls, S/O clean. Lack 4 BLO to rec.
- 8/22 10,436 TD, 10,375 PETD, Abo (8441-8488)
Swab 20 BLO 1 hr, pkr leaked, reset pkr @ 8250, swab 57 BLO 5 hrs, pkr failed, pulled tbg & pkr, rerun tbg w/ new pkr & ret BP, set BP @ 8900, pkr 8310, swab 28 BLO in 10 hrs, swab dry 2 hrs, Cardinal Chem Co acidize perfs (8441-88) w/ 1000 gal 15% NE acid, RTTP 3000#, TTP 3000#, rate .9 BPM, ISIP 2850, 5 min SIP 1350. Job complete 10:00 a.m. 8/21/66, sw & Fl 51 BLO + 14 BAW + 323 BNO in 20 hrs on 48 to 16/64 ck, TP 0 - 150, GOR 540:1, L hr Fl 12 bbls, S/O 7% AW. Lack 10 BAW to rec. Prep to reacidize w/ 3000 gal 15% NE acid.
- 8/23 ✓ BRIDGES STATE #116, 10,436 TD, 10,375 PETD, Abo (8441-8488)
Cardinal Chemical Co reacidized Abo perfs w/ 3000 gal 15% NE acid using 5 RCN ball sealers, TTP 3200, rate 2.1 BPM, ISIP 3000, 5 min SIP 1650. Job compl 10:45 a.m. 8/22/66. Swab 30 BLO + 5 BAW/1 hr, then Fl 9 BLO + 258 BNO + 5 BAW/18 hrs on 15 to 12/64 ck, L hr Fl 14 BNO, S/O 3% AW. TP 240, GOR 531:1, Grav 39.2 @ 60. Lack 52 AW to rec.
- 8/24 BRIDGES STATE #116, 10,436 TD, 10,375 PETD, Abo (8441-8488)
Abo zone - on OCC Pot Test Fl 72 BNO + 16 BAW/6 hrs (Cal 24 hr rate 288 BO/day), 12/64 ck, GOR 537:1, Gvty 39.2 @ 60, TP 350. Allow 215, Top allow 215, Cap 288 BO/day. Compl date 10:45 a.m. 8/22/66. Fl 12 BF L hr, S/O 3% AW. Killed well - Released pkr, latched onto BP @ 8900, worked stuck BP 2 hrs, released BP, pulled RTTS pkr, ran 2 1/2 Johnston tbg on 2 - 4 1/8 DC & 2 3/8 tbg to 8200

- 8/25 BRIDGES STATE #116, 10,436 TD, 10,375 PBT. ✓
Welex ran 6" Mag on WL. no rec, ran 2-1/8 Mag on WL, no rec. Then Welex perf 7" liner in Glor form @ 6060-62-65-67-79-81-83-85-87-91-93-95-97-6100-6103-6108-6110, 1 jt sh per interval, 17 holes. Then ran Hallib RBP & RTTS pkr, (set BP @ 6300 & pkr @ 6014. Then sw from Glor zone 24 BLO + 59 BFW/13 hrs, 1200' FIH, L hr sw 3 BF, S/O 98% wtr. Prep to squeeze off perfs.
- 8/26 BRIDGES STATE #116, 10,436 TD, 10,375 PBT. ✓
From Glor sw 12 BFW/2 hrs, then ran RTTS pkr to 6290, Displ hole to fr wtr, spotted 10' sd on BP @ 6300, reset RTTS pkr @ 5790, Hallib sq Glor perfs w/ 200 sx Trinity Inferno Neat cement, Max sq press 6400#, Reversed out 95 sx cement. Job compl 4:30 p.m. 8/25/66. Pulled 2" tbg & RTTS pkr - WOC 6 hrs. Ran 6-1/8 bit on 3 - 4 1/4 DC csg scraper & 2" tbg, D/O cement 5800-6110 6 hrs, prep to run bit to bottom & test perfs.
- 8/27 BRIDGES STATE #116, 10,436 TD, 10,375 PBT. ✓
Tested Glor perfs w/ 2200#/30 min/ok. Displ wtr w/ oil, pull bit, Welex reperforated Glor @ 6060,62,65,67,79,81,83,85,87,91,93,95,97,6100,6103,6108, & 6110 w/ 1 JSP/F, total 17 holes, ran RTTS pkr on 2-3/8 tbg to 6014, swab 24 BLO + 39 BNO + 5 BFW/9 hrs, 1800' FIH, L hr sw 3 bbls, S/O 4% wtr, prep to acidize.
- 8/29 10,436 TD, 10,375 PBT. Glor (6060-6110).
Sw 22 BFW/6 hrs, 200' FIH, L hr sw 3 bbls 100% wtr, unseated pkr, reset @ 6280, displ hole to wtr, reset pkr @ 5790. Howco squeezed Glor perfs 6060-6110 w/ 125 sx T1N cement, Max press 6500. Reversed out 40 sx. Job compl 7:00 p.m. 8/27/66. Pulled tbg & pkr, ran bit, drill cement 5800-6115, tested perfs w/ 2200# 30 min/ok. Pull bit, Welex perforated 7" liner @ 6125 w/ 2 holes & 6053 w/2 holes, ran RTTS pkr on tbg to 6058, Howco squeezed holes @ 6125 w/ 100 sx T1N cement, Max press 6500, reversed out 40 sx. Job compl @ 3:30 p.m. 8/28/66. Pulled pkr to 5806, press up to 6400#, pkr failed, pulled pkr, change same in BOP, ran new RTTS pkr to 5995, pkr failed, pull pkr, rerun new pkr, set @ 5806, prep to squeeze holes @ 6053.
- 8/30 BRIDGES STATE #116, 10,436 TD, 10,375 PBT. ✓
Move RTTS pkr from 5806 to 6053, Howco spotted 50 sx T1N cement @ 6053, reset RTTS pkr @ 5806, then squeezed holes @ 6053 w/ 20 sx T1N, Max press 6400, reverse out 10 sx, job compl 7:45 a.m. 8/29/66, pull RTTS pkr, WOC total 8 hrs, ran 6-1/8 bit, csg scraper on 3 - 4 1/4 DC's & tbg drill cement from 5808-6130, displ wtr w/ oil, pull bit, DC's & tbg, Welex reperforated Glor from 6060-6110 w/ 17 holes, now GIH w/ tbg & pkr to test perfs.
- 8/31 BRIDGES STATE #116, 10,436 TD, 10,375 PBT, (Glor (6060-6110)).
Finish running RTTS Pkr to 6018, swab 22 BLO in 3 hrs, swab dry, Cardinal Chemical Co acidized perfs w/ 500 gal 15% NE acid, PDTP 3800#, TTP 3400-3200, rate .5 BPM, ISIP 2600#, 5 min SIP 350#, job compl 3:30 p.m. 8/30/66, swab 24 BLO + 12 BAW + 54 BNO + 28 BFW/13 hrs, 1200' FIH, L hr sw 8 bbls S/O 30% wtr, cont'd to swab.
- 9/1 BRIDGES STATE #116, 10,436 TD, 10,375 PBT, Glor (6060-6110)
Swab 115 BNO + 58 BFW in 24 hrs, 1000' FIH, last hour swab 7 bbls S/O 50% wtr, fr sh of gas, prep to complete.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, Glor (6060-6110)

- 9/2 Unseated pkr, ret BP from 6300, pull tbg, pkr & BP. Ran #1 string Penn tbg (2-3/8 EUE J-55) set in Guib. pkr @ 10,048. Dual Guib pkr set @ 8393, triple BOT anchor @ 6080, tested tbg in hole w/5000# now running #2 string (Abo), 4000' FTH.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTB.

- 9/3 Fin running #2 tbg string, 273 jts latched into dual pkr @ 8993, ran #3 tbg string CS Hydril 197 jts latched into triple anchor @ 6080, dropped ball in #2 tbg string, Hardin Huston kill truck set pkr w/3400#. Now installing tree to complete.
- 9/4 & 5 Inst triple tree, then from Upper Penn tbg sw 40 BLO - communicating around Perm pkr, removed tree, inst BOP, pulled all tbg out of hole. - ran 6-1/16 washover shoe on 3 - 4 1/4 DC & 2-3/8 tbg, cut over Guib Type A pkr @ 10,040 & pushed pkr to 10,375/8 hrs, circ gas out - pulled tbg & shoe, Wellex set Guib Type A pkr in 7" liner @ 10,035.
- 9/6 Ran #1 tbg string, set in Guib Perm pkr @ 10,035 - Guib dual pkr @ 8393, triple anchor @ 6080, tested tbg & Perm pkr 2000#/ok, ran #2 tbg string (Hydril CS) to 8393 while trying to latch into dual pkr B/O tbg left 8 jts (236') in hole, pulled tbg, ran Bowen center spear, pulled center spear, no rec, prep to rerun center spear.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTB

- 9/7 Reran 2" spear, stopped at triple anchor 6080, pulled #2 tubing string, McCullough Tool Co. cut #1 tubing string at 8361, pulled #1 string & triple anchor. Ran 5-3/4 BOS w/2-3/8 grapples, rec. 8 jts #2 string tubing, reran OS, latched onto #1 tubing string at 8361, pulled fish, well kicked w/8 stands tubing O/S & fish in hole, prep to kill well.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTB

- 9/8 Killed well w/160 BLO, finished pulling tubing O.S. & fish, ran #1 tubing string to Guib perm. pkr at 10,035 w/dual pkr at 8393 & triple anchor at 6080, tested perm. pkr 2200#/ok., ran #2 tubing string to 8393, latched into pkr, ran #3 tubing string to triple anchor at 6080, could not latch in, pulled to 4000', prep to run back to triple anchor.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTB

Killed Abo string w/100 B treated wtr, finished running #3 tubing string, latched into triple anchor at 6080, set dual pkr w/3400# press, inst. triple tree.

Upper Penn (10,087-10,141) Sw & Fl 40 BLO + 74 BNO/5 hrs, TP 200, SI 12 hrs, TP 900#.

Abo Perfs (8441-8488) Sw & Fl 70 BLO + 41 BNO/2 hrs, SI 5 hrs, TP 500.

Glor Perfs (6060-6110) Sw 15 BLO/2 hrs, SI.

Released Baker Well Service at 7 am 9-1-66.

- 9/12 Running pkr leakage test.

BRIDGES STATE #116

On pkr leakage test.

BRIDGES STATE #116

- 9/14 On pkr leakage test.

9/15 BRIDGES STATE #116
On packer leakage test.

9/16 BRIDGES STATE #116
On Packer leakage test.

9/19 BRIDGES STATE #116
Pkr leakage test complete ok. WO electricity for pumping unit to potential Glor.

9/20 BRIDGES STATE #116
WO electricity for pumping unit to potential Glor.

9/21 BRIDGES STATE #116
Started pumping Glor, no test.

9/22 BRIDGES STATE #116, 10,436 TD, 10,375 PBTD, Glor perfs (6060-6110).
P 49 BNO, no wtr/24 hrs. Prep to Pot.

9/23 BRIDGES STATE #116, 10,436 TD, 10,375 PBTD, Glor (6060-6110).
P 38 BNO + 2 BSW/24 hrs. Cont to test.

9/24 BRIDGES STATE #116, 10,436 TD, 10,375 PBTD.
Penn perfs (10,087-10,141)
Abo perfs (8441-8488)
Glor perfs (6060-6110)
P 9 BNO, no wtr/24 hrs.

9/25 Pull pump, ran swab, FL 5520', sw 3 BNO + 6 BSW/2 hrs, ran pump,
P 3 BNO + 9 BLW/12 hrs.

9/26 P 1 BNO + 8 BLW + 2 BSW/24 hrs. Ran Sona log, FL @ 5972.

9/27 BRIDGES STATE #116, 10,436 TD, 10,375 PBTD.
P 1 BNO + 9 BSW/24 hrs.

9/28 BRIDGES STATE #116, 10,436 TD, 10,375 PBTD.
Prep to pull rods & pump from Glor & swab test.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTD.

9/29

MIRU.DA&S SD Unit, pull rods & pump from Glor tbg, sw zero fluid in 5 hrs, tbg empty. SD for nite.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTD.

9/30

Glor perfs: Swab dry/2 hrs.

Penn perfs (10,087-10,141):

Cardinal Chemical Co acidized perfs w/ 1000 gal 15% NE acid, TTP 4000-2100#, rate .7 BPM, ISIP 3200#, 5 min SIP 1200#, job compl @ 12:30 a.m. 9/29/66, then sw & fl 40 BLO + 10 BNO + 22 BAW/5 hrs, then fl 151 BNO + 2 BAW in 12 hrs on 22/64 ck, TP 160. Turn back to Production.

Prep to acidize Glor perfs.

BRIDGES STATE #116, 10,436 TD, 10,375 PBTD.

10/1

Penn perfs (10,087-10,141):

Fl 285 BNO + 0 wtr/24 hrs on 35/64 ck, TP 160#.

Glor perfs (6060-6110):

Load csg w/ oil, Cardinal Chemical Co acidized perfs w/ 1000 gal 7 $\frac{1}{2}$ % XLST acid, circ acid to spot, TTP 1900-1500, ISIP 1900, 5 min SIP 1400, job compl @ 11:30 a.m. 9/30/66, then swab 65 BLO + 24 BAW + 48 BFW/17 hrs, 1 hr sw 6 BLO + 3 BW, 2400' FIH, no gas. Cont to swab. 265 BLO to rec.

10/3

Penn perfs (10,087-10,141):

Fl 314 BNO + 0 wtr/24 hrs on 33/64 ck, TP 125.

Glor perfs (6060-6110):

Swab 100 BLO + 130 BFW/32 hrs, 1 hr sw 1 BLO + 2 BW, 800' FIH, no gas. Lack 165 BLO to rec.

- 10/4 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, Glor (6060-6110).
Swab 3 BLO + 24 BFW/5 hrs, 400' FIH, no gas, ran rods in hole, MO SD unit. MIRU DD unit. SD for nite. Prep to pull rods & pump & tbg, squeeze Glor perfs.
- 10/5 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB.
Pulled rods from Glor tbg, pumped 35 BLO down Penn tbg, pump 14 BLO down Abo tbg then pump 270 BLO down Glor tbg, could not load csg, inst back pressure valves in Penn & Abo tbg, remove wellhead, inst BOP, pulled Glor tbg, prep to pull Abo tbg.
- 10/6 BRIDGES STATE #116, 10,436 TD.
Unlatch Abo 2-3/8 tbg from dual pkr, P 108 BLO down tbg, killing well, pulled tbg, then pulled U Penn tbg, dual pkr & triple anchor, ran Baker ret BP & pkr on 2-3/8 tbg, set BP @ 8400, circ oil to wtr, dumped 2 sx of sand on BP, set pkr @ 5793, prep to squeeze Glor perfs (6060-6110) w/ 250 sx cement.
- 10/7 BRIDGES STATE #116, 10,436 TD.
Howco squeezed Glor perfs (6060-6110) w/ 250 sx T1N cement, Max Press 6000#, job compl @ 12:00 noon, 10/6/66, pull tbg & pkr, ran 6 1/4" bit on 3 - 4 1/4 DC & tbg to 4700. SD for nite, prep to drill out cement.
- 10/8 BRIDGES STATE #116, 10,436 TD.
Ran bit to 5838, rigged up Star Tool Co reverse unit, drill cement from 5838 to 6537 in past 20 hrs, cont to drill cement.
- 10/10 Drill cement from 6537 to 6887 in 11 hrs, ran bit to 8385, tested csg w/ 2000# 30 min/ok, pulled bit, ran pkr w/ ret head, set pkr @ 5950, tested csg w/ 2000# 30 min/ok, ran ret to BP @ 8400, circ wtr to oil, ret BP, pull tbg, pkr & BP, ran 6 1/4" cut-rite, WO mill on 3 - 4 1/4 DC's & 2-3/8 tbg to 10,035, now cutting over Guib Model FA pkr @ 10,035-37 past 3 hrs.
- 10/11 BRIDGES STATE #116, 10,436 TD.
Milled & pushed pkr to 10,200, pull tbg, DC's & mill, ran 6 1/4" bit & csg scraper to 10,200, reverse circulated 1 hr, pull bit. Prep to perforate Wlfc.
- 10/12 BRIDGES STATE #116, 10,436 TD.
Welex perf 7" liner in the Wlfc @ 9603,09,11,17,31,35,43,47,50, 53,57, 9945,49,10,024,026,036,045,052, & 10,054 w/ 1 JSPF, total 19 holes, then ran Baker ret BP & pkr, set BP @ 10,080, set pkr @ 9540, swab 40 BLO in 7 hrs, swab dry 1 hr, Cardinal Chemical Co acidized perfs w/ 1000 gal 15% NE acid, BDTP 3900#, TTP 4000#, rate .4 BPM, ISIP 3500#, 5 min STP 2600#, job compl @ 5:40 am 10/20/66. Prep to pull rods

- 10/13 BRIDGES STATE #116, 10,436 TD, 10,375 PBD, Wlfc (9603-10,054).
Down 5 hrs for unit repair, then swab & flowed 40 BLO + 155 BNO + 4 BAW in 14 hrs on 48 to 22/64 ck. TP 0 - 200, L hr fl 8 bbls, S/O 1% AW - Cardinal Chemical Co kill well w/ 57 bbls oil - reset pkr @ 9888, then sw & fl 40 BLO + 16 BNO + 1 BAW in 4 hrs. TP 0-200. L hr fl 15 bbls, S/O 1% AW. Prep to reacidize. Lack 19 BAW to rec.
- 10/14 BRIDGES STATE #116, 10,436 TD, 10,375 PBD, Wlfc (9603-10,054).
Fl 27 BNO + 3 BAW/2½ hrs, then reset pkr @ 9545, Cardinal Chemical Co acidized Wlfc perms w/ 3000 gals 15% NE acid using 15 RCN ball sealers, TTP 4500, rate 2.0 BPM, ISIP 3400, 5 min SIP 2800, job compl 1:00 p.m. 10/13/66, then sw & fl 40 BLO + 220 BNO + 16 BAW/14½ hrs on 25/64 ck, TP 300, L hr fl 12 BNO, S/O 1% AW, prep to pot. Lack 72 BAW to rec.
- 10/15 BRIDGES STATE #116, 10,436 TD, 10,375 PBD, Wlfc (9603-10,054).
On OCC Pot Test: Fl 76 BNO & no wtr in 6 hrs for calculated 24 hr rate 304 BOPD on 25/64 ck. GOR 1050/1, Grav 37.0 @ 64, TP 300. Allow 220 BOPD, Top Field Allow 220 BOPD. L hr fl 13 BNO, S/O 1% AW. Kill well, ret BP, pulled tbg, pkr & BP. Welex set Guib Type A perm prod pkr @ 10,070, ran 2-3/8 tbg w/ latch in seal assy to 10,070, from Penn perms (10,087-10,141) sw 56 BLO + 2 BW in 6 hrs, 5200' FIH, L hr sw 7 bbls w/ gd sh of gas.
- 10/17 Penn (10,087-10,141)
Swab & fl 42 BNO + 2 BW in 6 hrs, then Cardinal Chemical Co acidized Penn perms w/ 3000 gal 15% NE acid using 15 RCN ball sealers, TTP 4400-3700-3200#, ISIP - Vac, rate 4.4 BPM, job compl @ 2:00 p.m. 10/15/66, then swab 42 BLO + 72 BAW + 371 BSW in 27 hrs, no gas, 9000' FIH, L hr sw 14 bbls, S/O 98% SW.
- 10/18 BRIDGES STATE #116, 10,436 TD, 10,375 PBD, U Penn (10,087-10,141).
Swab 50 BSW in 4 hrs, 7000' FIH, no gas, BJ Serv squeezed perms (10,087-10,141) w/ 100 sx Vis - squeeze, Max Press 4500, job compl 4:40 p.m. 10/17/66. WCC.
- 10/19 BRIDGES STATE #116, 10,436 TD, 10,375 PBD, U Penn (10,087-10,141).
WOC past 24 hrs on Vis-squeeze. Prep to start swabbing.
- 10/20 BRIDGES STATE #116, 10,436 TD, 10,375 PBD, U Penn (10,087-10,141).
Swabbed 35 BLO + 4 Bbls cement in 4 hrs, swab dry 5 hrs, Welex ran collar locator to 10,137, then reperforated U Penn thru tbg @ 10,087; 89;91;93;99;10,101;103;106 & 10,109 w/ 1 JSPF, total 9 holes, then swabbed 5 bbls cement in 1 hr, swab dry past 10½ hrs. Prep to acidize.

- 10/21 ✓ BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, U Penn (10,087-10,141).
Swab dry 5 add'l hrs, swabbing, tr of cement, Cardinal Chemical Co attempted to acidize perfs w/ 500 gals 15% NE acid, P 9 bbls of acid in 6½ hrs @ 4500# TP, left 3 BA in tbg, swab 32 BLO + 11 BAW in 12 hrs, 300' FIH, no gas, L hr swab ½ bbl, S/O 10% AW, prep to set plug in SN to check for tbg leak.
- 10/22 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, U Penn (10,087-10,141).
Swab dry 3 hrs. Cecil Horne Wire Line Co set plug in SN @ 10,040, Cardinal Chemical Co pressured up tbg to 4500, leaked off to 3500 in 10 min, pulled plug, then pulled tbg & seal assy, rerun tbg, tested in hole to 5000#, found 4 couplin leaks, changed out 4 couplins, then swab 31 BLO in 3½ hrs, L hr swab 8 bbls, S/O 100% oil, cont to swab.
- 10/24 Swab 6 BLO/2 hrs, swab dry/1 hr. Cardinal Chemical Co acidized perfs w/ 500 gals 15% NE acid, TTP 4500, lost 1 bbl, broke back to 3000#, rate .02 BPM, 4 hrs acidizing, then swab 40 BLO + 99 BNO in 17½ hrs, L hr swab 7 BNO, 6300' FIH, gd sh of gas, indication of tbg leak, Cecil Horne Wire Line Co attempted to set plug in SN @ 10,040, stopped at 10,000, pressured up to 4500, would not hold, pull plug. SD for nite. Prep to pull tbg.
- 10/25 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, Penn (10,087-10,141).
Circ gas off for 8 hrs, pulled & LD 307 jts 2-3/8 J-55 EUE tbg, left 10 jts & Baker seal assy in hole, pin threads stripped out of box, ran 4-5/8 OD overshot w/ 5-3/4 guide & 3-1/16 grapple on 144 jts 2-3/8 OD N-80 EUE 8rd tbg, 4545' in hole, cont to pick up tbg.
- 10/26 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, Penn (10,087-10,141).
Ran overshot to 4575, caught fish, pulled & rec same, ran 2-3/8 EUE 8rd N-80 tbg to 10,120 w/ Baker latch in seal assy set in Model D pkr @ 10,070, swab 57 BLO in 3 hrs, swab dry 3 hrs, Cardinal Chemical Co attempted to acidize Penn perfs w/ 500 gals 15% NE acid, pumped acid to form, TP 1400 to zero, communicated to annulus, dropped standing valve to SN @ 10,120, pumped in tbg @ 1700#, circulating to csg, ret standing valve, now reversing out acid, prep to pull tbg.
- 10/27 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, Penn (10,087-10,141).
Reverse circ 3 hrs, pulled tbg & latch in seal assy, redress seal assy, ran 2-3/8 tbg to 10,120 w/ Baker latch in seal assy 10,070, tested tbg in hole w/ 5000#, found 1 couplin leak, swab 43 BLO in 4½ hrs, then Cardinal Chemical Co acidized perfs w/ 500 gals 15% NE acid, TTP 2400-2800, CP 200-800, rate 1.0 BPM, ISIP 1400, 10 min 100, job compl @ 2:00 a.m. 10/27/66, swab 41 BLO + 6 BAW in 3 hrs, L hr swab 7 bbls, S/O 30% AW, 1000' FIH. gd sh of gas, cont to swab.
- 10/28 BRIDGES STATE #116, 10,436 TD, 10,375 PBTB, Penn (10,087-10,141).
Swab 8 BLO + 4 BNO in 10 hrs, 200' FIH, gd sh of gas, Cardinal Chemical Co acidized perfs w/ 1000 gals 15% NE acid, TTP 1800-500, rate 1.2 BPM, ISIP - 0, job compl 7:00 p.m. 10/27/66, then swab 41 BLO + 12 BAW + 75 BFW in 10 hrs, 6500' FIH, no gas.

- STATE BRIDGES #116, 10,436 TD, 10,375 PBTD, Penn (10,087-10,141).
- 10/29 Pulled 2-3/8 tbg & Baker seal assy, ran RTTS pkr on 2-3/8 tbg to 10,065, Howco squeezed Penn perfs w/ 100 sx TLN cement, backed up w/ 65 sx in form, dumped cement, job complete @ 6:30 p.m. 10/28/66, pulled tbg & pkr, ran 6-1/8 bit, csg scraper on 1 - 4 1/2 DC & tbg, tag top of cement @ 9850, prep to drill out.
- 10/31 10,436 TD.
Drill cement from 9850 to 10,070 equals PBTD, circ hole clean, pull tbg, DC's & bit, ran RTTS pkr on 2-3/8 tbg to 9922 from Wlfc perfs (9945-10,054) swab 38 BLO in 4 hrs, sw dry, lost swab in hole, attempted to fish, swab 3 hrs, no success, started pulling tbg, well attempted to kick, Cecil Horne Wire Line Co perf tbg w/ 1 1/2 hole above swab, circ gas off 2 hrs, pulled tbg, rec swab, ran RTTS pkr on 2-3/8 tbg to 10,070, Howco spotted 500 gals 15% NE acid on bottom, reset pkr @ 9890, then acidized Wlfc perfs 9945-10,054 w/ 1000 gals 15% NE acid, TTP 3500 to 4100, rate 3/4 BPM, ISIP 3800#, 15 min SIP 1200, job compl @ 4:00 a.m. 10/31/66, then swab 38 BLO + 9 BAW in 1 1/2 hrs, now flowing by heads, cont to test.
- 11/1 STATE BRIDGES #116, 10,436 TD, 10,070 PBTD. Wlfc (9945-10,054).
Swab & fl 180 BNO + 15 BAW/24 hrs on 30/64 ck, TP 0-150. Last 12 hrs fl 76 BNO. TP 150. S/O Clean. Prep to compl.
- 11/2 STATE BRIDGES #116, 10,436 TD, 10,070 PBTD, Wlfc (9945-10,054).
Fl 18 BNO in 3 hrs on 30/64 ck, TP 150, kill well w/ 50 BLO, pulled 2-3/8 tbg & RTTS pkr, ran #1 string of tbg EUE, 8rd, N-80 2-3/8 to 9928, Guib dual pkr @ 9538, triple tbg anchor @ 8548, while attempting to hang tbg in tbg hanger dropped 4' 2-3/8 sub in hole, pulled 2-3/8 tbg, rec sub on top of triple anchor, now rerunning tbg 9000' in hole, testing while running.
- 11/3 STATE BRIDGES #116, 10,436 TD, 10,070 PBTD.
Pkr set @ 9100, premature pulled tbg & pkr, rerun tbg & pkr, end of tbg @ 9928, Guib dual pkr @ 9538, triple anchor @ 8548, tested in hole while running to 4000#, ran #2 string, Wlfc vent string, 2-3/8 Hydril CS J-55 tbg to 9528, prep to latch into dual pkr, tested tbg in hole w/ 4000#.
- 11/4 STATE BRIDGES #116, 10,436 TD, 10,070 PBTD.
Welex ran GR log in #1 tbg string to check depth, reset #1 string @ 9917, T perfs @ 9884, SN @ 9883, Guib dual zone pkr @ 9523, latched in #2 string in dual pkr (vent string), then set pkr w/ 3000# pump press, ran #3 string "ABO" 2-3/8 J-55 GST tbg to triple anchor 8537, remove BOP, inst'l triple tree.
From Wlfc perfs (9603-10,054) OA.
Swab 45 BLO in 2 1/2 hrs, L hr swab 13 bbls, well kicking, cont to swab.