

OIL CONSERVATION COMMISSION
1000 Rio Brazos Rd.
Aztec, New Mexico

DATE 9-15-67

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ☒ _____

Gentlemen:

I have examined the application dated 9-9-67
for the Amerada Petroleum Corp. Ucarula Apache #1 J-17-25-5
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

Ernest C. Ames
OIL CONSERVATION COMMISSION

AMERADA PETROLEUM CORPORATION

P. O. BOX 1469

DURANGO, COLORADO 81301

Phone 247-5353

September 11, 1967

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

Gentlemen:

This office was informed by Mr. Emery C. Arnold that the Commission had never received an Application For Multiple Completion on Amerada's Jicarilla Apache "F" No. 1, Section 17, T. 25N., R. 5W., Rio Arriba County, New Mexico.

The subject well was drilled May 30, 1956. I cannot find any record of an application for dual completion being filed. All other reports filed with the Commission show that the well was dual completed.

Enclosed please find Application For Multiple Completion, Diagrammatic Sketch and Plat.

Very truly yours,

AMERADA PETROLEUM CORPORATION

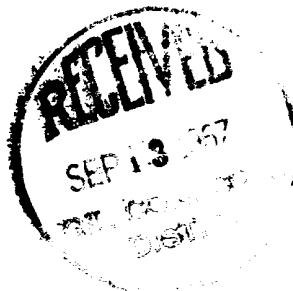
By

D. F. Furse

Production Foreman

DFF:jjh

cc: Mr. E. C. Arnold



[illegible]

Journal of Management Inquiry 16(4)

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthal and Whistler (1973).

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is projected to increase to 1.7 billion by the year 2015. The number of illiterate people in the world is projected to increase to 1.9 billion by the year 2020. The number of illiterate people in the world is projected to increase to 2.1 billion by the year 2025. The number of illiterate people in the world is projected to increase to 2.3 billion by the year 2030. The number of illiterate people in the world is projected to increase to 2.5 billion by the year 2035. The number of illiterate people in the world is projected to increase to 2.7 billion by the year 2040. The number of illiterate people in the world is projected to increase to 2.9 billion by the year 2045. The number of illiterate people in the world is projected to increase to 3.1 billion by the year 2050. The number of illiterate people in the world is projected to increase to 3.3 billion by the year 2055. The number of illiterate people in the world is projected to increase to 3.5 billion by the year 2060. The number of illiterate people in the world is projected to increase to 3.7 billion by the year 2065. The number of illiterate people in the world is projected to increase to 3.9 billion by the year 2070. The number of illiterate people in the world is projected to increase to 4.1 billion by the year 2075. The number of illiterate people in the world is projected to increase to 4.3 billion by the year 2080. The number of illiterate people in the world is projected to increase to 4.5 billion by the year 2085. The number of illiterate people in the world is projected to increase to 4.7 billion by the year 2090. The number of illiterate people in the world is projected to increase to 4.9 billion by the year 2095. The number of illiterate people in the world is projected to increase to 5.1 billion by the year 2100.

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1. The first of these is the fact that the
2. Commission has not yet received any information
3. from the Government of the United Kingdom
4. regarding the proposed amendments to the
5. Convention on the Elimination of All Forms of
6. Discrimination Against Women (CEDAW) which
7. were adopted by the General Assembly of the
8. United Nations in December 1979. The
9. Commission is therefore unable to provide
10. any information on the progress of the
11. negotiations between the United Kingdom and
12. the other States Parties to the Convention.

[illegible]

1. *Explain the importance of the following factors in the development of a country's economy:*
 (a) *Human resources*
 (b) *Capital resources*
 (c) *Technology*
 (d) *Infrastructure*
 (e) *Government policy*
 (f) *International trade*
 (g) *Investment*
 (h) *Education*
 (i) *Healthcare*
 (j) *Environment*
 (k) *Democracy*
 (l) *Corruption*
 (m) *Religion*
 (n) *Culture*
 (o) *Language*
 (p) *History*
 (q) *Geography*
 (r) *Climate*
 (s) *Soil*
 (t) *Water*
 (u) *Energy*
 (v) *Transportation*
 (w) *Communication*
 (x) *Finance*
 (y) *Law*
 (z) *Justice*
 (aa) *Peace*
 (ab) *Stability*
 (ac) *Unity*
 (ad) *Cooperation*
 (ae) *Competition*
 (af) *Innovation*
 (ag) *Research*
 (ah) *Development*
 (ai) *Growth*
 (aj) *Progress*
 (ak) *Success*
 (al) *Failure*
 (am) *Challenge*
 (an) *Opportunity*
 (ao) *Risk*
 (ap) *Uncertainty*
 (aq) *Complexity*
 (ar) *Interdependence*
 (as) *Globalization*
 (at) *Regionalization*
 (au) *Localization*
 (av) *Urbanization*
 (aw) *Ruralization*
 (ax) *Industrialization*
 (ay) *Serviceization*
 (az) *Informationization*
 (ba) *Knowledgeization*
 (bb) *Digitization*
 (bc) *Networkization*
 (bd) *Virtualization*
 (be) *Automation*
 (bf) *Robotization*
 (bg) *Artificialization*
 (bh) *Biologization*
 (bi) *Nanotechnology*
 (bj) *Space exploration*
 (bk) *Deep-sea exploration*
 (bl) *Outer-space exploration*
 (bm) *Interplanetary exploration*
 (bn) *Interstellar exploration*
 (bo) *Galactic exploration*
 (bp) *Universal exploration*
 (bq) *Transcendental exploration*
 (br) *Transcendentalism*
 (bs) *Transcendentalist*
 (bt) *Transcendentalist movement*
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 (cm) *Transcendentalist unity*
 (cn) *Transcendentalist cooperation*
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 (cp) *Transcendentalist innovation*
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 (ha) *Transcendentalist transcendentalist transcendentalist communication*
 (hb) *Transcendentalist transcendentalist transcendentalist finance*
 (hc) *Transcendentalist transcendentalist*

2. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer.

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

[illegible]

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Trial	Control (n=10)	MCI (n=10)	AD (n=10)
1	85	75	65
2	85	75	65
3	85	70	60
4	85	70	55
5	85	65	55



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Amerada Petroleum Corporation		County Rio Arriba	Date September 9, 1947
Address P. O. Box 1469, Durango, Colorado		Lease Jicarilla Apache "F"	Well No. 1
Location of Well J	Unit 17	Township 23N	Range 3W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐ **Amerada Petroleum Corp.**
2. If answer is yes, identify one such instance: Order No. **BC-337**; Operator Lease, and Well No.: **J. Apache "F" #1**

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Pictured Cliffs		Chaco
b. Top and Bottom of Pay Section (Perforations)	2723-2780'		2700-2705'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

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

- | | | |
|---|-------------------------------------|---|
| Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 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.

Caswell Silver, Beaver Club Building, Beaver, Colorado

Kimbell Oil Company, P. O. Box 1340, Fort Worth, Texas

Pan American Petroleum Corporation, Petroleum Center Bldg., Farmington, New Mexico

El Paso Natural Gas Products Company, P. O. Box 1340, Farmington, New Mexico

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 _____.

CERTIFICATE: I, the undersigned, state that I am the **Foreman** of the **Amerada Petroleum Corporation** (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.

C. H. ...
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 multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Amerada Petroleum Corporation
Gicarilla Apache "F" Well #1
Sec 4, SW 1/4, Section 17-T25N-R5W
Mio Arriba County, New Mexico

Cement

10-3/4" 32.70# set @ 207' - Cement
Circulated

Top of cement outside 7-5/8" csg. 580'

Pictured Cliffs perms. 2725-2750'

Pictured Cliffs perms. 2776-2788'

Baash-Ross liner hanger set @ 2812'

100' of Halliburton scratchers & 6
centralizers on 7-5/8"

7-5/8" 26.40# set @ 2879' W/350 sacks
cement

2-3/8" 4.7# Tbg. set @ 3500'

Baker Model "D" Production Packer set @
3500'

Chacra perms. 3588-3610'

Chacra perms. 3696-3705'

Lane Wells set cast iron bridge plug @
3730' W/1 sack of cement on top - Top of
cement @ 3720'

Top of cement outside of 5" csg. 3810'

Dakota perms. 7164-7189'

Dakota perms. 7178-7189'

Baker cast iron retainer set @ 7192'

Dakota perms. 7200-7210' (Squeezed W/75
sacks cement)

Used 8 Halliburton centralizers on 5" Csg.

Top of cement inside 5" csg. 7275'

5" Csg. set @ 7316' W/650 sacks cement

Amarada Petroleum Corporation
Jicarilla Apache "F" Well #1
NW 1/4 SE 1/4 Section 17-T25N-R5W
Elk Arriba County, New Mexico

Cement

10-3/4" 32.70# set @ 207' - Cement
Circulated

Top of cement outside 7-5/8" csg. 580'

Pictured Cliffs perms. 2725-2750'

Pictured Cliffs perms. 2776-2788'

Reagh-Ross liner hanger set @ 2812'

100' of Halliburton scratchers & 6
centralizers on 7-5/8"

7-5/8" 26.40# set @ 2879' w/350 sacks
cement

2-3/8" 4.7# Tbg. set @ 3500'

Baker Model "D" Production Packer set @
3500'

Chacra perms. 3588-3610'

Chacra perms. 3696-3705'

Lane Wells set cast iron bridge plug @
3730' w/1 sack of cement on top - Top of
cement @ 3720'

Top of cement outside of 5" csg. 3810'

Dakota perms. 7164-7189'

Dakota perms. 7178-7189'

Set cast iron retainer set @ 7192'

Set 6 Halliburton centralizers on 5" Csg.

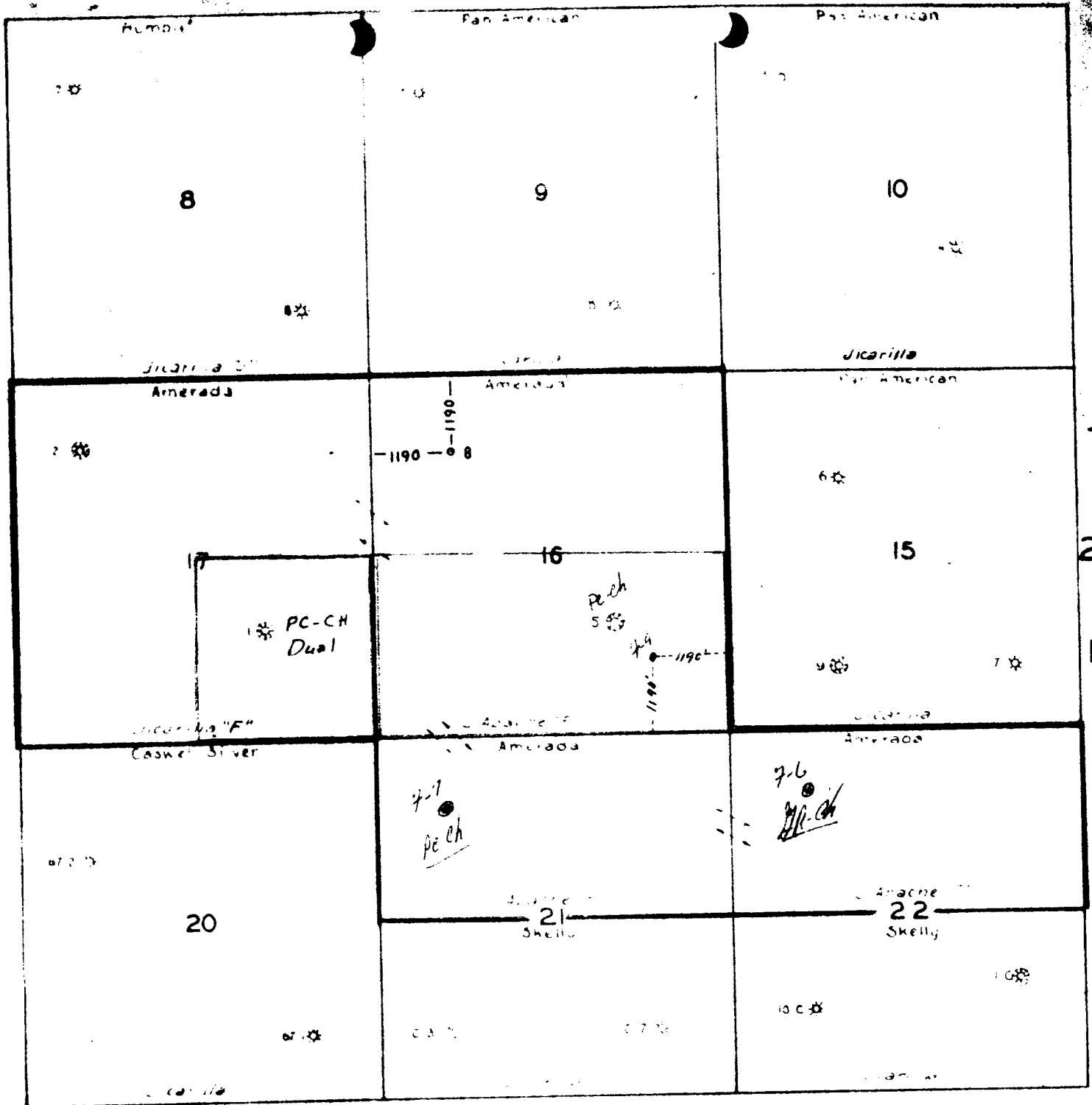
Set 1 sack of cement inside 5" csg. 7275'

5" Csg. set @ 7316' w/650 sacks cement

Dakota perms. 7200-7210' (Squeezed w/75
sacks cement)

11-0007 17-20

R 5 W



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OPERATOR OF LEASE Amerada Petroleum Corporation NAME OF LEASE Jicarilla Apache "F"
 TOTAL ACRES IN LEASE 2,559.40...
 DATE OF DEED BY THIS PLAT 1,920
 DESCRIPTION OF PROPERTY All Sec. 16, 17, 18, N/2 Sec. 21 & N/2 Sec. 22, T25N, R5W,
 COUNTY Rio Arriba...
 STATE OF COLORADO...
 SCALE OF PLAT 1" = 2000'
 BLANKO P.C. South & Otero Chacra
 - Pc & Ch Dual

STATE OF COLORADO
 COUNTY OF LA PLATA

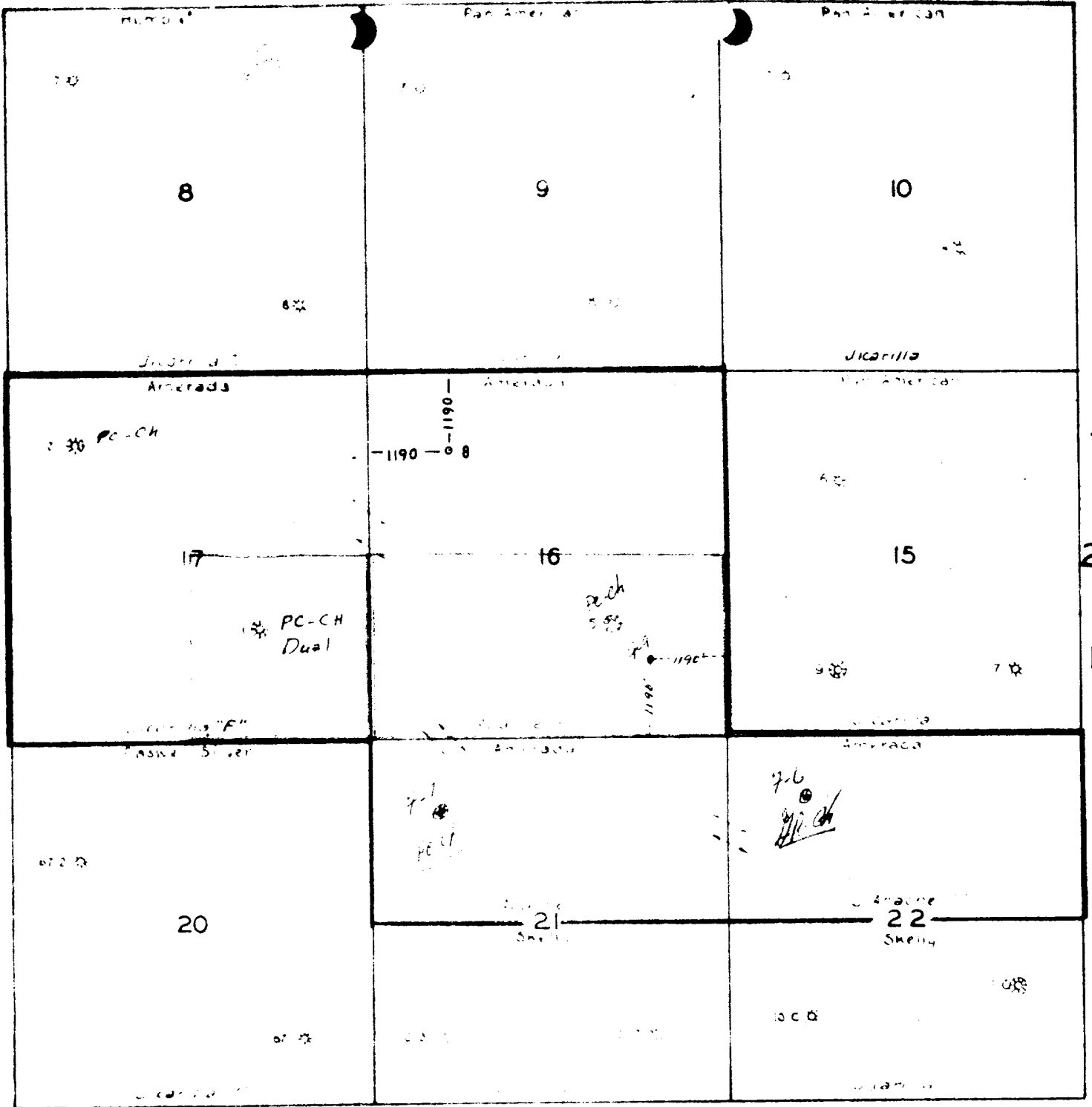
WHEREFORE, I CERTIFY THAT I AM FAMILIAR WITH THE CONDITIONS AS THEY ACTUALLY EXIST ON THIS LEASE, THAT THE
 ABOVE PLAT IS DRAWN TO THE SCALE INDICATED HEREON, TO THE BEST OF MY KNOWLEDGE TRUE AND CORRECT, THAT
 IT ACCURATELY REFLECTS SAID LEASE WITH ALL WELLS THEREON, AND THAT THE NUMBER AND LOCATION OF WELLS THEREON
 ARE AS INDICATED ON THE PLAT

D.F. Furse D.F. Furse

My Commission Expires
 September 15, 1964

Lida Kaskala
 NOTARY PUBLIC IN AND FOR
 La Plata COUNTY Colorado

R 5 W



OPERATOR OF LEASE: Anerada Petroleum Corporation NAME OF LEASE: Jicarilla Apache "F"
 TOTAL ACRES IN LEASE: 2,559.40
 DEED REFERENCE: All Sec. 16, 17, 18, 21 & 22 Sec. 21 & 22 N. 25 N. R. 5 W.
 COUNTY: Rio Arriba
 SCALE OF PLAT: 1" = 2000'
 FILE: Basin Napa's and Gallup (Otero)
 Blanco P.C. South & Otero Chacra
 * - Pc & Ch Dual

STATE OF COLORADO
 COUNTY OF LA PLATA

I HEREBY CERTIFY THAT I AM FAMILIAR WITH THE CONDITIONS AS THEY ACTUALLY EXIST ON THIS LEASE, THAT THE AREA PLATED HEREON IS DRAWN TO THE SCALE INDICATED HEREON TO THE BEST OF MY KNOWLEDGE TRUE AND CORRECT, THAT I HAVE PERSONALLY VISITED SAID LEASE WITH ALL WELLS THEREON, AND THAT THE NUMBER AND LOCATION OF WELLS THEREON ARE AS INDICATED ON THE PLAT

D.F. Furse D.F. Furse

SUBSCRIBED AND SWORN TO BEFORE ME THIS

My Commission Expires
 September 15, 1964

19th DAY OF June 1962

Rita Pacheco
 NOTARY PUBLIC IN AND FOR

La Plata COUNTY Colorado