

NEW MEXICO OIL CONSERVATION COMMISSION
NORTHWEST NEW MEXICO PAPER LEAKAGE TEST

Operator El Paso Natural Gas Company				Well Name and Number San Juan 28-5 Unit #33 (MV-DK)			
Location of Well Unit L Sec. 17 Twp 28 Rge. 05				TYPE OF TEST 1977		Amount (GIVE YEAR) 1977	
UPPER COMPLETION Reservoir or Pool MV		<input checked="" type="checkbox"/> GAS <input type="checkbox"/> OIL		<input checked="" type="checkbox"/> FLOWING <input type="checkbox"/> ARTIFICIAL LIFT		<input checked="" type="checkbox"/> CASING <input checked="" type="checkbox"/> TUBING	
LOWER COMPLETION Reservoir or Pool DK		<input checked="" type="checkbox"/> GAS <input type="checkbox"/> OIL		<input checked="" type="checkbox"/> FLOWING <input type="checkbox"/> ARTIFICIAL LIFT		<input checked="" type="checkbox"/> CASING <input checked="" type="checkbox"/> TUBING	

Date	Upper Zone		Lower Zone		
	Shut-In		Shut-In	Flow Test	
	Casing	Tubing	Tubing	Tubing	Flow Rate
5-9-77	407	406	401	X	X
5-10-77	419	417	419		
5-11-77	429	426	429		
5-12-77	392	395	X	267	743
5-13-77	382	384		240	466

Remarks: This well is being written up for workover for a packer leak.

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

APPROVED _____, 19____
NEW MEXICO OIL CONSERVATION COMMISSION

BY *Not approved*

OPERATOR **El Paso Natural Gas Company**

BY *C. R. Hegner*

TITLE **Well Test Engineer**

DATE **5-16-77**

DAYS

1 2 3 4 5

PRESSURE
Psig
700
600
500
400
300
200
100

Both Zones

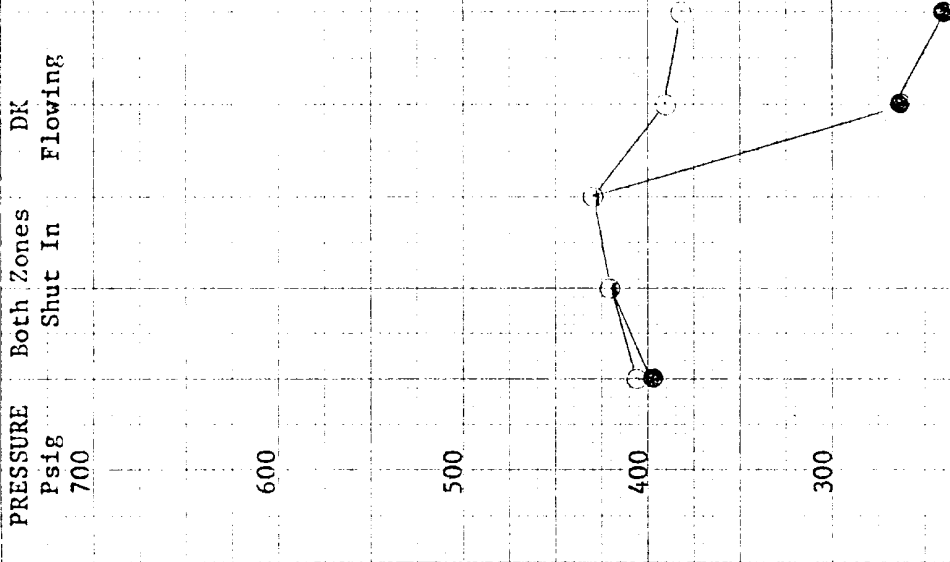
Shut In

Flowing

DK

E P N G
Annual Pacifier Leakage Test
1977
SAN JUAN 28-5 UNIT #33 (MD)
Unit L Sec. 17-28-05
Rio Arriba Co., New Mexico

o MV Zone • DK Zone



2 ENDOC - Artes
2 ENDOC - Santa Fe
1 EPHG
1 Cutler
1 Truby
1 File

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

7-3-58

Field Name Gobernador		County Rio Arriba	Date 6-29-59
Operator PACIFIC NORTHWEST PIPELINE CORP.		Lease San Juan 28-5	Well No. 33-17
Location of Well 28-5	Unit SW/4 Sec 17	Township T-28N	Range R-5W

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

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Mesa Verde	Dalco
b. Top and Bottom of Pay Section (Perforations)	5361 - 5892	7895 - 8041
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 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.

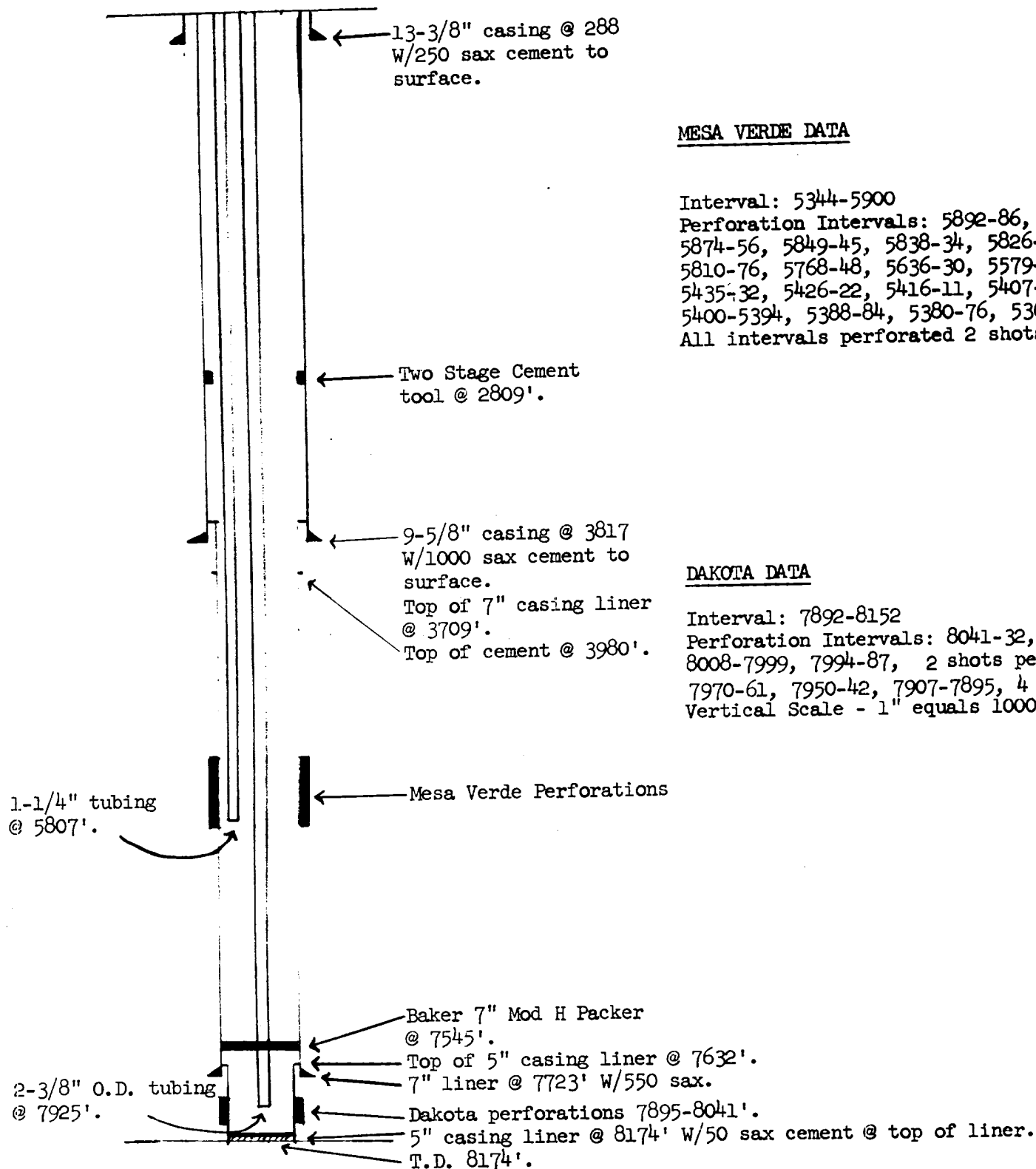
El Paso Natural Gas Company, P.O. Box 1492, El Paso, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES **XX** NO ____ . If answer is yes, give date of such notification **6-29-59** .

CERTIFICATE: I, the undersigned, state that I am the **Dir. Supt.** of the **PACIFIC NORTHWEST PIPELINE CORP.** (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.

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 proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



MESA VERDE DATA

Interval: 5344-5900
Perforation Intervals: 5892-86,
5874-56, 5849-45, 5838-34, 5826-22,
5810-76, 5768-48, 5636-30, 5579-66,
5435-32, 5426-22, 5416-11, 5407-03,
5400-5394, 5388-84, 5380-76, 5365-61.
All intervals perforated 2 shots/ft.

DAKOTA DATA

Interval: 7892-8152
Perforation Intervals: 8041-32,
8008-7999, 7994-87, 2 shots per foot.
7970-61, 7950-42, 7907-7895, 4 sh/ft.
Vertical Scale - 1" equals 1000'

PACIFIC NORTHWEST PIPELINE CORP.
FARMINGTON, NEW MEXICO
Diagrammatic Sketch of Dual Gas
Completion for San Juan 28-5,
Well No. 33-17 in Mesa Verde &
Dakota Formations 1650 FSL and
960 FWL, Sec. 17, T-28N, R-5W,
N.M.P.M.
Rio Arriba County, New Mexico

PACKER-SETTING AFFIDAVIT
(Dual Completions)

STATE OF New Mexico)
County of San Juan) ss

L. A. Bedford, being first duly sworn according to law, upon his oath deposes and says:

That he is of lawful age and has full knowledge of the facts herein below set out.

That he is employed by Pacific Northwest Pipeline Corp. in the capacity of Drilling Engineer and as such is its authorized agent.

That on June 8,, 1959, he personally supervised the setting of a Baker Model H in Pacific Northwest Pipeline Corp.'s
(Make and Type of Packer) (Operator)

San Juan 28-5 Well No. 33-17, located in Unit
(lease)
Letter _____, Section 17, Township 28 N, Range 5 W, NMPM,
_____ County, New Mexico.

That said packer was set at a subsurface depth of 7545 feet,
said depth measurement having been furnished by Tubing Tally.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, within the well-bore, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

PACIFIC NORTHWEST PIPELINE CORP.

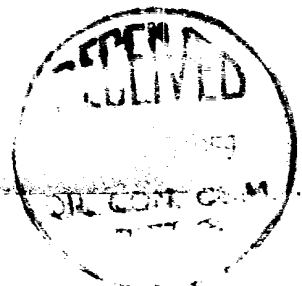
(Company)

Original Signed by
Larry A. Bedford
(its Agent)

Subscribed and sworn to before me this the 24th day of June, AD, 1959.

Original Signed by
Lawrence Blane Hall
Notary Public in and for the County
of San Juan County

My Commission Expires 6-21-61.



June 30, 1959

El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas

Attn: Mr. Norman Woodruff

Gentlemen:

This is to notify you, as an offset operator, that Pacific Northwest Pipeline Corporation has dually completed the Unit 28-5, Well No. 33-17 in the Dakota and Mesa Verde formations.

This well is located 1650' fsl and 960' fwl of Section 17, Township 28 North, Range 5 West, Rio Arriba County, New Mexico.

The Dakota formation was tested June 22, 1959 and had a Calculated Absolute Open Flow of 6187 MCF/D after flowing three hours through a 3/4" choke.

The Mesa Verde formation was tested June 29, 1959 and had a Calculated Absolute Open Flow of 4761 MCF/D after flowing three hours through a 3/4" choke.

Enclosed is a copy of the application to the Commission of the proposed dual.

Very truly yours;

L. F. Stone
Dir. Supt.

cb:LFS
cc:4-RMOCC
1-W.G.Cutler
1-L.G.Truby
1-File

[illegible]

DATE OF BIRTH: 08-09-1967
PLACE OF BIRTH: [REDACTED]
CITY OF RESIDENCE: [REDACTED]

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

0-3-21-200

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1. STATEMENT OF WORK - This document defines the scope of the project, the objectives, the deliverables, and the timeline. It also includes a list of the project team members and their roles.

1. The first of these is the fact that the majority of the population of the United States is now living in urban areas. This is a result of the process of urbanization, which has been going on since the beginning of the 20th century. The process of urbanization is the movement of people from rural areas to urban areas. This is done for a variety of reasons, including the search for better living conditions, the desire for education, and the need for employment. The process of urbanization has led to the growth of large cities and the decline of small towns. This has had a significant impact on the way we live and work. The majority of the population now lives in urban areas, which means that most of our interactions are taking place in these areas. This has led to the development of a new way of life, one that is more centered around the city. The process of urbanization has also led to the development of new technologies and industries. The concentration of people in urban areas has made it possible to develop new technologies and industries that would not have been possible in rural areas. This has led to the growth of the economy and the improvement of living standards. The process of urbanization is a complex one, and it has had a significant impact on the way we live and work. It is a process that is still going on, and it will continue to shape the future of the United States.

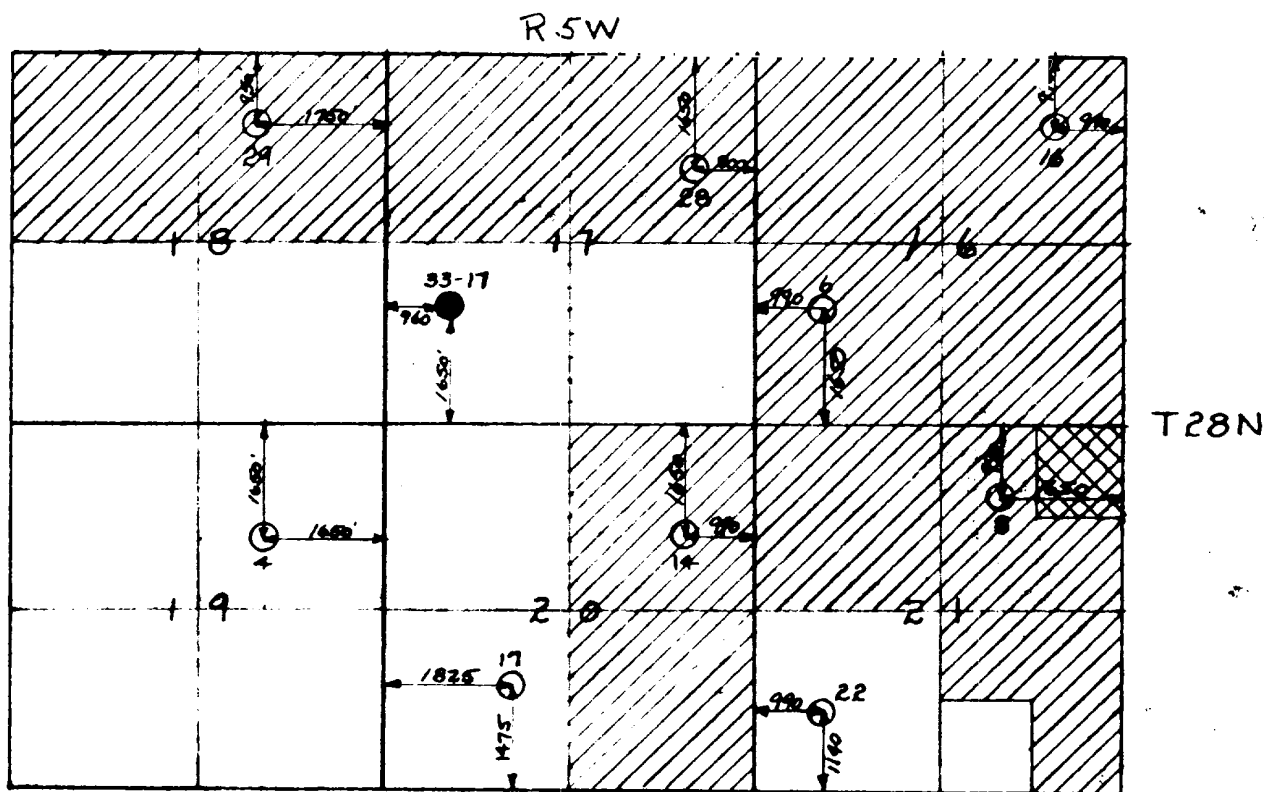
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-19-2010 BY 60322 UCBAW/SJS

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1. *Chlorophyll a* (Chl *a*)

[illegible]

SECRET
REF ID: A68049



Location of Proposed Dual
Mesa Verde - Dakota
San Juan 28-5 Well No. 33-17

- Acreage Owned by Pacific Northwest Pipeline Corp
- Acreage Owned by El Paso Natural Gas Co
- Proposed Mesa Verde - Dakota Dual
- Producing Mesa Verde Well