

SAMPLE DESCRIPTION

PAGE 6

DESCR. BY R.L.B.

DATE 1-30-44

VALLIANT PRINTING CO., ALBUQUERQUE-97500

COMPANY					WELL NO.		LEASE				COUNTY				STATE			
Snodden - McSwain					1		Merchant				Chaves				N. M.			
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE			MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	COLOR	
1970	80	100																
	90	40							10	gry fine			50	tn	cls			
	2000												100	-	-			anhy incl
	10					10	blk						90	brn	fx			
	20					5	-		20	-	-		75	gry	-			
	30	5				5	-						90	fn	-			
	40	5											95	-	-			-
	50												100	-	-			
2060	70												100	-	-			-
	80												100	-	-			
	90												100	gry	-			
	2100												100	-	-			
	10												100	tn	cls			-
2140	50												100	-	-			
	60												100	-	-			
	70	10				10	gry		60	pk fine			20	-	-			
	80	40							60	pk sky								
	90	80				10	-	10	-									
	2200	20											80	tn	cls			-
	10	40											60	-	-			
	20	60											40	-	-			
2240	50	10											90	-	-			
	60	10							40	gry fine			50	-	-			
	70												100	gry	-			
	80												100	-	-			
	90												100	brn	-			
	2300												100	-	-			
	10												100	tn	-			
	20	80											20	-	-			
	30	60											40	-	-			F.O.G.
	40	40											100	-	-			-
	50	40											60	-	-			
	60	20				30	gry						50	-	-			
	70												100	-	-			
	80												100	gry	-			tr chrt
	90												100	-	-			
	2400												100	-	-			sky
	10	10											90	-	-			

NOI 9190930 2.7MA2

2.4.4

STAGE

09-03280

DOI: 10.1002/for

• *As a result of the above, the Commission has decided to:*

13 v2

442

1999

• • • • •

150-44

[illegible]

Figure 1

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, 2679, 2680, 2681, 26

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Trial	Control (n=10)	MCI (n=10)	AD (n=10)
1	95	85	75
2	95	85	75
3	95	80	70
4	95	75	65
5	95	75	65

— 234 —

9

6. *Chlorophyll a* and *Chlorophyll b* contents were determined by the method of Lichtenthaler and Sponholz (1980).

The diagram illustrates a two-dimensional lattice structure. It consists of a grid of points. Arrows indicate interactions between nearest and next-nearest neighbors. The lattice is labeled with 'a' for the nearest neighbor distance and 'b' for the next-nearest neighbor distance.

100

1

Table 1

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO

WELL LOG DIVISION

COUNTY **Chaves**
FIELD **Wildest**
COMPANY **Snodden-McWenney**
LEASE **Merchant No. 1 Well No.**

LOCATION (34)
SEC. **27** T. **15S** R. **23E**

1320 feet from **North** line and
300 feet from **West** line of Section

CASING RECORD	
Diam., in	Bottom
158	510' set
10"	868' set
8 1/2"	1240' "
6-5/8"	2543' "

ELEVATION

3856 (?) SW

FEET

3775 (?)

INITIAL DAILY PRODUCTION:

Open

bbls. Oil

Open

cu. ft. Gas

Tbg.

bbls. Oil

Tbg.

cu. ft. Gas

COMMENCED

6-6-28

COMPLETED

5-20-29

ABANDONED

REMARKS:

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Red sand	15	Dark line	810
Gypsum	17	Dark gray line	830
Red sand	125	Black line	835
Gray gypsum	160	Gray line	840
Pink gypsum	170	Dark gray line	850
Pink anhydrite	210	Light gray line	868
Gray anhydrite	230	Black line	880
Sandy line	250	Dark gray line - BLACK SULPHUR	
Light line - WATER	285	WATER 858-890	890
Brown line	295	Light gray line	925
Gray gypsum	320	Black line	930
Dark line	340	Gray line	960
Gray gypsum	375	Black line	965
Brown line	410	Dark gray line - WATER	975
Gray line	420	Dark brown line	990
Dark gray line	445	Gray line - WATER 1080-85	1070
Black line - WATER 460-70'	470	Black line	1090
Gray shells	475	Gray line	1110
Black line	490	Limestone	1150
Dark line	510	Sandy limestone	1190
Gray line	525	Sandstone - caving	1220
Black line - WATER	530	Sandy limestone	1320
Dark line	545	Sandy limestone and limestone	
Dark gray line	555	chalk	1380
Gray line	580	Blue shale	1400
Dark gray line	590	Gray line	1410
Gray line	600	Sandy line	1438
Gypsum	610	WATER SAND - SALT WATER	1445
Gray line	630	Sandy line	1470
Dark line	634	Anhydrite	1495
Brown sand - WATER	639	Gypsum	1510
Black line	655	Gray line	1540
Gray line	680	Black line	1545
Sand - WATER	685	Gray line	1555
Gray line	690	Gypsum	1570
Gray sand	700	Line	1605
Gray line	705	Black line	1618
Gray sand	707	Gray line	1645
Black line	720	Dark line	1685
Dark line	750	Dark sandy line	1725
Dark sand - WATER	755	Dark line	1730
Light line	765	Blue shale	1735
Gray line	780	Dark line	1755

WELL TO GO DIVISION

[illegible]

FORMATION	DEPTH, FEET	FORMATION	DEPTH, FEET
101	101	101	101
102	102	102	102
103	103	103	103
104	104	104	104
105	105	105	105
106	106	106	106
107	107	107	107
108	108	108	108
109	109	109	109
110	110	110	110
111	111	111	111
112	112	112	112
113	113	113	113
114	114	114	114
115	115	115	115
116	116	116	116
117	117	117	117
118	118	118	118
119	119	119	119
120	120	120	120
121	121	121	121
122	122	122	122
123	123	123	123
124	124	124	124
125	125	125	125
126	126	126	126
127	127	127	127
128	128	128	128
129	129	129	129
130	130	130	130
131	131	131	131
132	132	132	132
133	133	133	133
134	134	134	134
135	135	135	135
136	136	136	136
137	137	137	137
138	138	138	138
139	139	139	139
140	140	140	140
141	141	141	141
142	142	142	142
143	143	143	143
144	144	144	144
145	145	145	145
146	146	146	146
147	147	147	147
148	148	148	148
149	149	149	149
150	150	150	150
151	151	151	151
152	152	152	152
153	153	153	153
154	154	154	154
155	155	155	155
156	156	156	156
157	157	157	157
158	158	158	158
159	159	159	159
160	160	160	160
161	161	161	161
162	162	162	162
163	163	163	163
164	164	164	164
165	165	165	165
166	166	166	166
167	167	167	167
168	168	168	168
169	169	169	169
170	170	170	170
171	171	171	171
172	172	172	172
173	173	173	173
174	174	174	174
175	175	175	175
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177	177	177	177
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179	179	179	179
180	180	180	180
181	181	181	181
182	182	182	182
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184	184	184	184
185	185	185	185
186	186	186	186
187	187	187	187
188	188	188	188
189	189	189	189
190	190	190	190
191	191	191	191
192	192	192	192
193	193	193	193
194	194	194	194

Black lime
 Black sandy lime
 Gypsum
 Dark lime
 Light slate
 Dark lime
 Gray lime
 White slate
 Red beds
 Black lime
 Gray lime
 Slate
 Gray lime
 Blue slate
 Anhydrite and lime
 Gray lime
 Black lime
 Gray lime
 Lime
 Black lime
 Light lime
 Gray lime
 Red beds
 Red sand
 Gray sand
 Light slate
 Sandy lime
 Gray sand
 Dark gray lime
 Black lime
 Gray lime
 Black lime
 Dark gray lime
 Black lime
 Gray sand
 Dark gray lime
 Slate
 Gray lime
 Black lime
 Slaty lime
 Black lime
 Gray lime - SMO: GAS 2543

1765
 1785
 1805
 1815
 1820
 1835
 1865
 1890
 1895
 1920
 1958
 1960
 1980
 1985
 2000
 2012- 2050
 2105
 2112
 2118
 2158
 2160
 2165
 2169
 2173
 2189
 2186
 2214
 2230
 2240
 2245
 2260
 2270
 2290
 2310
 2315
 2340
 2345
 2375
 2465
 2485
 2525
 2545

Anhydrite 2540
 Gray lime 2630
 Brown lime 2660
 Gray lime 2690
 Brown lime 2695
 Gray lime 2724
 Hard shale 2728
 Brown lime 2735
 Dry sand 2740
 Limestone 2745
 Gray sand 2770
 Broken lime 2785
 Pink shale 2800
 Pink sandy shale 2890
 Hard shale 2895
 Light gray sand 2910
 Light sand 2915
 Gray lime 2935
 Lime 2955
 Dry sand 2970
 Lime 2980
 Sand 2990
 Sandy lime 3070
 Gray lime 3150
 Gray sandy lime 3180
 Hard gray lime 3230
 Dark lime 3315
 Dark gray lime 3340
 Dark shale 3390
 Dark gray lime 3400
 Dark shale and gray lime 3410
 Dark shale, gray lime and
 red rock - 3420 equals
 3390 S.L.M. 3420
 - 3390
 Lime shells 3415
 Pink shale 3450
 Red rock and green shale -cave 3470
 Red rock 3494
 Red rock Lime 3497
 White rock 3505
 Light lime 3510
 Red rock 3610

[illegible]

100

Hard gray lime	3630
Red rock	3635
Gray lime	3640
Red rock	3645
Lime	3650
Light lime	3690
Blue shale	3700
Lime	3705
Blue shale	3710
Blue shale and lime shells	3740
Blue shale	3766
White lime	3780
Blue shells and lime shells	3800
Brown lime	3855
Dark lime	3918
Lime and shale	3935
Lime and shale, dark	3955
Blue shale	3975
Gray lime	3985
Blue shale	4010
Dark shale	4030
Dark red shale	4110
Red shale	4122
Red slate	4129
Red shale	4160
Gray lime - SHOW GAS 4168'	4162
Red shale	4190
Red sandy shale	4195
Red sandy lime	4205
Red sandy shale - HCB	4210
Red shale	4270 T. D.

6-5/8" casing collapsed
at 3000' with string of toolbars
hole.

1220 N }
300 W }

Sec. 27-15S-23E

SAMPLE DESCRIPTION

E1. 3715

D. E. A.

PAGE

1

DESCR. BY

R. L. Bates

T.D. 4270

DATE

1-22-44

VALLIANT PRINTING CO., ALBUQUERQUE-47500

COMPANY					WELL NO.		LEASE				COUNTY			STATE				
Snowden - McSweeney					1		Merchant				Chaves			N. M.				
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE		MISCELLANEOUS	
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR		DESCR.
10	20									100	rd fine							
	30									100	✓							
	40									100	✓							
	50									100	✓							
	60									100	✓							
	70						40	sd	60	✓								
	80									100	✓							
	90									100	✓							
	100									100	✓							
	10						50	✓	50	✓								
	20									100	✓							
	30									100	✓							
	40						70	✓	30	✓								
	50						50	✓	50	✓								
	60								70	✓	(F.F.F.) intergrown with		30	gry cx	(calcite xtk)			
	70								20	✓				80	pk mx	✓	✓	
	80						90	✓	silty					10	✓	✓		
	90								60	pk fine	intergrown w.		40	tn cx				
	200								60	✓		✓	✓	40	✓	✓		
	10								50	✓		✓	✓	50	✓	✓		
	20						20	gry calc	90	✓		✓	✓	60	✓	✓		
	30								10	✓				90	✓	pk cx		
	40													100	lt gry dns silty			
	50					20	gry calc							80	✓	✓	✓	
	60					20	✓							80	✓	✓	cx	
	70					30	✓							70	✓	✓		
	80					10	✓						70	lt gry dns	20	✓	✓	
	90													100	buff cx nodular			
	300					20	✓							80	✓	✓	✓	
	10													100	✓	✓	✓	
	20					20	✓							80	✓	✓	✓	
	30					10	✓							90	✓	✓	✓	
	40					20	✓							80	✓	✓	✓	
	50					40	✓							60	✓	✓	✓	
	60					40	✓						40	lt gry dns	20	✓	✓	
	70					20	✓						60	✓	✓	✓	✓	
	80					20	✓							80	✓	✓	✓	
	90													90	✓	✓	✓	

SAMPLE DESCRIPTION

PAGE 2

DESCR. BY R.L.B.

DATE 1-28-44

VALLIANT PRINTING CO., ALBUQUERQUE-97500

COMPANY					WELL NO.		LEASE				COUNTY						STATE				
Snowden-McSweeney					1		Merchant				Chaves						N.M.				
DEPTH		ANHY.	POLY.	SALT	NON-FED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE			LIMESTONE			MISCELLANEOUS		
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	COLOR	DESCR.			
390	400															100	cm	CX			
	10															20 ft	gry	lus	80	-	✓
	20															40	-	-	60	-	-
	30															100	-	-	-	-	-
	40															70	tn	fx	PP		
	50															30	dk	gry	dns		oil std
	60															100	tn	fx	-P		-
	70															100	-	-	P		-
	80															100	-	-	-P	trcht	-
	90															100	-	-	+ gry	fx	
	500															100	-	-			anhy incl
510	20															100	-	-	dns		-
	30															100	-	-	fx		-
	40															100	-	-	P		-
550	60															100	-	-	-P		-
	70															100	-	-	-		-
580	80															100	tn	fx	-P		-
	90															100	-	-			-
	600															100	-	-	-		-
	10															100	-	-	-		-
	20															100	-	-	sdly		powdered spl
	30															100	gry	-			oil std
	35															100	-	-	-		-
	40															100	tn	-	-P		-
	50															100	-	-	-		-
	60															100	-	-	-		-
	70															100	-	-	-		-
	80															100	-	-	-		-
	90															100	-	-	-		-
	700															100	-	-	-		-
	10															95	-	-	-		-
	20															100	-	-	-		-
	30															100	-	-	-		-
740	50															100	-	-	-		-
	60															100	-	-	-		-
	70															100	-	-	-		-
	80															100	gry	-			-
	90															100	-	-	-		-

SAMPLE DESCRIPTION

PAGE 3

DESCR. BY R.L.B.

DATE 1-28-44

YALLIANT PRINTING CO., ALBUQUERQUE-97800

COMPANY					WELL NO.		LEASE				COUNTY				STATE			
Snowden-McSweeney					1		Merchant				Chaves				N.M.			
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE			MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	COLOR	
790	800												100	gry	fx			
	10												100	tn	-			
	20												100	-	-			
	30												100	brn	-			
	40												50	-	-	50	tn	mx
	50															100	gry	fx
	60												100	-	-	100	tn	mx -P
	70												100	-	fx			
	80												100	-	-			oil std
	90												100	-	-	100	tn	fx
	900												100	-	-	100	-	tr chrt
	10												100	-	-	100	-	-
	20												100	gry	fx			
	30												100	-	-			
	40												100	tn	-			
	50												90	-	-	10	gry	fx 10 chrt
	60												100	-	fx			
	70												100	gry	-			tr -
	80												100	tn	-			
	90												100	-	-			
	1000												100	gry	-			
	10												100	tn	mx	tr	stln calcite	
	20												100	-	-			
	30												40	tn	fx	60	-	-
	40												100	-	-			tr chrt
	50												100	gry	-			
	60															100	tn	fx
	70												100	-	-			
	80												100	-	-	100	-	-
	90												100	-	-			tr brn chrt
	1100												100	-	-	100	-	-
	10												100	-	-			
	20												100	-	-			
	30												100	-	-			
	40												100	-	-			
	50												100	-	-			
1160	80															90	-	-
	90															80	-	-

med subrnd qtz
10 clr loose ang to
80 w/ med loose subrnd

SAMPLE DESCRIPTION

PAGE 4

DESCR. BY RLB

DATE 1-28-44

VALLIANT PRINTING CO., ALBUQUERQUE-97500

COMPANY						WELL NO.		LEASE				COUNTY				STATE	
Snowden-McSweeney						1		Merchant				Chavis				N. M.	
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE		MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	
1190	1200								100	wh	clean	loose subbrnd	gtz; med; frosted				
	12								100		do						
	20								100		do						
1230	40								90	wh	+ fine med	10 tn dns col					
	50											100 - fx	tr ch + oil std				
	60											100 - dns					
	70											120 gry	-				
	80											100 fn	-				
	90											100 -	-				
	1300											100 gry	-				
	10 75								20	gry	fine	5 fn	-	P			
	20 85								10	-	-	5	-	-			
	30 30											70 gry fx	sdly			anhy incl	
	40								30	pk	-	70	-	-			
	50 70								30	-	-						
	60 10							90									
	70							100	sdly								
	80 90							10									
	90 90							10	-								
1400	50				50	gry											
	10 70				20	-			10	pk	fine						
	20 80											20	gry	fx P			
	30 100																
	40 20											80	-	-	-P		
	50 60				20	-						20	-	-	-		
	60 100																
	70 100																
	80 50								40	gry	fine	10 tn	-	P			
	90 100 gry																
1500	100																
	10 90				10	-											
	20											100	brn	fx -P			
	30											100	-	-		tr ch +	
	40											100	-	-	-		
	50 70											30	-	-			
	60 100																
	70 100																
	80 100																

SAMPLE DESCRIPTION

PAGE 5

DESCR. BY R.G.B.

DATE 1-29-44

VALLIANT PRINTING CO., ALBUQUERQUE-87800

COMPANY					WELL NO.		LEASE					COUNTY					STATE		
Snowden - McSweeney.					1		Merchant					Chaves					N.M.		
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE			LIMESTONE			MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	
1580	90												100	gry	dns				
	1600	80											20	-	-				
	10	80											20	-	-				
	20												100	-	fx -P				
	30	80								10	wh fine		90	-	-	-			
	45	80				20	gry												
1650	62	70				20	-						10	tn dns					
	70	20											80	-	-				F.O.G.'s
	80	60											40	-	-				-
	90	10											90	gry	-	sdly			
	1700	20											80	-	-				
	10												100	-	-				
	20												100	tn	-	-P			
	30	20											80	gry	-				
	40	60				20	-						20	-	-				
	50	70											30	tn	-				
	60												100	gry	fx -P				
	70	30											70	tn	dns				
	80	30											70	-	-				
	90												100	brn	fx				
1820	20					60	gry sdly						20	-	-				
	10	10								70	gry fine		20	-	-				
	20												100	-	-	sdly -P			
	30												100	gry	-	-sdly -			anhy inact
	40	60				20	gry			10	red	-	10	-	-				
	50	90								10	-	-							
	60	80											20	tn	dns				
	70	40								40	wh med		20	-	-				
	80	90				10	-												
	90	100																	
1900	100																		
	10												100	gry	fx				
	20	100																	
	30												100	-	-				
	40												100	brn	-	-P			
	50	90											10	-	-				
	60	80								20	sdly gry sdly								
	70	20								30	gry fine		50	-	dns				

SAMPLE DESCRIPTION

PAGE 7

DESCR. BY R.L.B.

DATE 2-1-44

VALLIANT PRINTING CO., ALBUQUERQUE - 87800

COMPANY					WELL NO.		LEASE				COUNTY					STATE			
Snowden - McDweeney					1		Merchant				Claves					N.M.			
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE			LIMESTONE			MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	
2410	20				10	gray							90	tn	dnsg				
	30	20			30	-							50	-	-				
	40												100	gray	-				
	50												100	-	-				
	65	10											90	tn	-				
	70								20	gray fine			80	gray	-				
	80								10	-	-		90	-	-	-	sdly		
	90	30			10	-							60	-	-				
2500													100	tn	-				
	10												100	-	-				
	20												100	-	-				
	30												100	-	fx				
	40												100	-	dnsg				
	43												100	-	-				
	46												100	-	-				
	55	80			20	-													
	66				20	-							80	gray	-				
	75	10											90	tn	-				anhy inst
	85												100	-	-				
	90												100	gray	-				
2600													100	tn	-	-	P		
	10	90											10	-	fx	P			
	20												100	brn	dnsg				
	30												100	tn	-				
	40												100	brn	fx	-	P		
	50												100	tn	dnsg				
	60												100	-	-				
	70	70											30	gray	-				
	80	30											70	-	+ tn	fx			-
	90	20											80	tn	dnsg				
2700	20				10	-							70	-	-				✓
	10	40			20	-							40	-	-				
	20	10											90	-	-				
	30	30							70	gray fine									
	40	20							30	-	-		50	-	-				
	50	10											90	-	-				
	60												100	gray	fx	-	sdly		
	70												100	-	-				

SAMPLE DESCRIPTION

PAGE 8

DESCR. BY R.L.B.

DATE 2-2-44

VALLIANT PRINTING CO., ALBUQUERQUE-87800

COMPANY					WELL NO.		LEASE				COUNTY				STATE				
Snowden - McSweeney					1		Montreat				Chaves				N.M.				
DEPTH		ANHY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE		MISCELLANEOUS		
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR		DESCR.	%
2770	80				20	gy							20	tn	fx				
	90				20	-			80	pk + gry fine									
2800					10	-			90	- fine									
	10				20	-			80	-	-								
	20				10	-	10		80	-	-								
	30				20	sdg			80	rd	-								
	40				20	gry			80	-	-								
	50				20	-	20		60	-	-								
	60				10	sdg	10	mic	80	-	-								
	70	40			10	gry	50		50										
	80	10			10	-	40		40	rd fine									
	90	30			20	-	20	dk					30	tn	fx				anhy incl
2900	10				20	-	10	-					60	-	-				-
	10				10	-	10		70	gry	-		10	-	-				
	20	10			10	-							80	-	-				-
	30				20	-							80	-	-				
	40				20	-							80	brn	+ gry	fx			
	50				20	-							80	-	fx				
	60	10			20	-			50	-	-		20	-	-				
	70	50	gry		20	-			30	rd + gry fine									
	80	10			20	-			30	- fine			30	gry	fx				-
	90				10	-			10	-	-		80	-	-				
3000	10				10	-							80	tn	-				-
	10	30											70	-	-				-
	20	30											70	-	-				-
	30								60	gry fine			40	-	-				-
	40				10	-			30	-	-		60	-	-				-
	50	10			10	-							80	gry	-				
	60	50			30	-			10	-	-		10	-	-				
	70	70			30	-													
	80	70			30	-													
	90	30			30	-							40	brn	-				-
3100					20	-			30	-	-		50	-	-				
	10	20			40	-							40	-	-				
	20	20			20	-							60	-	-				
	30	10			40	-			20	-	-		30	-	-				-
	40	10			60	-			10	-	-		20	-	-				
	50	10			30	-			10	-	-		50	-	-				

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PAGE 9

DESCR. BY RLG

DATE 2-2-44

VALLIANT PRINTING CO., ALBUQUERQUE 97300

[illegible]

SAMPLE DESCRIPTION

PAGE 10

DESCR. BY R.L.B.

DATE 2-2-44

VALLIANT PRINTING CO., ALBUQUERQUE-57300

COMPANY					WELL NO.	LEASE					COUNTY					STATE				
Snowden-Molweeey					1	Merchant					Chaves					N. M.				
DEPTH		ANHY.	POLY.	SALT	NOT-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE			LIMESTONE			MISCELLANEOUS	
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	COLOR	DESCR.		
3560	70						100													
	80						100													
	90						100													
	3600				40	gr	60													
	10				60	-	40	Some purple												
	20				40	-	60													
	30				50	-	50													
3650	60				50	-							30	tn	dns					
	70	tr			20	grn							20	gr	-					
	80				60	20							20	-	-					
	90	✓			40	30							30	-	fx				90 by 100	
	3700	20			70								10	-	-				-	
	10				70								30	-	-					
	20				90								10	-	-					
	30				90								10	-	-					
	40	10			40								50	-	-				-	
	50	10			30								60	-	-				-	
	60				100															
	70				100															
	80				60								40	-	-				-	
	90	10			70								20	-	-				-	
3800	10				20								80	-	-				-	
	20	20			20								60	-	-				-	
	30				30								70	-	-				-	
	40	10			40								50	-	-				-	
	50	20			30								50	-	-				-	
	60				20								80	-	-					
	70	10			60								30	-	-					
	80				70		10						20	-	-					
	90				100															
3900	10				90															
	10				80								20	tn	fx - P					
	20	10			50								40	-	-					
	30				90								10	-	-					
	40	5			80								15	-	-					
	50				50								50	-	-					
	60	10			70								20	-	-					
	70				40								60	-	-					

SAMPLE DESCRIPTION

PAGE 11

DESCR. BY.

DATE 2-2-44

~~VALLIANT PRINTING CO., ALBUQUERQUE, 87500~~

COMPANY					WELL NO.		LEASE		COUNTY			STATE					
Snawden-McSwaney					1		Merchant		Charles			N. M.					
DEPTH		ANHY.	POLY.	SALT	NON-REP. SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE		MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	
3970	80	5			40	gry	10						45	tn	dk		
	90	5			50	-	30						15	-	-		
	4000				90	-	10										
	10				70	-	30	dk									
	20				60	-	40	-									
	30				70	-	30	-									
	40				20	-	80	-									
	50				20	-	80	-									
	60				10	-	90	-									
	70						100	-									
	80						100	-									
	90						100	-									
	4100				10	-	90	-									
	10						90	-					10	-	-		
	20						100	-									
	30						100	-									
	40						100	-									
	50						100	-									
	60						100	-									
	70						100	-									
	80						100	-									
	90						100	-									
	4200						90	-					10	rd	fine		
	10						80	-					20	-	-		
	20						90	-					10	-	-		
	30						100	-									
	40						100	-									
	50						100	-									
	60						100	-									
- 4270 T.D. - D. & A. -																	