

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CO	INTS. ETC.	NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH

38. GEOLOGIC MARKERS

Ojo Alamo	2785'	2864'	White, cr-gr ss.		Ojo Alamo	2785'	
Kirtland	2864'	3078'	Gry sh interbedded w/tight, gry, fine-gr ss.		Kirtland	2864'	
Fruitland	3078'	3362'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.		Fruitland	3078'	
Pictured Cliffs	3362'	3532'	Bn-Gry, fine grn, tight ss.		Pic.Cliffs	3362'	
Lewis	3532'	3891'	Shale w/siltstone stringers		Lewis	3532'	
Huerfanto Bentonite*	3891'	4913'	White, waxy chalky bentonite		Huerfanto Bent.	3891'	
Cliff House	4913'	5134'	ss. Gry, fine-grn, dense sil ss.		Cliff House	4913'	
Menefee	5134'	5506'	Med-dark gry, fine gr ss, carb sh & coal		Menefee	5134'	
Point Lookout	5506'	5990'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation		Pt.Lookout	5506'	
Mancos	5990'	6507'	Dark gry carb sh.		Mancos	5990'	
Gallup	6507'	7447'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh		Gallup	6507'	
Greenhorn	7447'	7510'	Highly calc gry sh w/thin lmst.		Greenhorn	7447'	
Graneros	7510'	7662'	Dk gry shale, fossil & carb w/pyrite incl.		Graneros	7510'	
Dakota	7662'	7860'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks		Dakota	7662'	

*Huerfanto Bentonite is the legal top of Mesa Verde in New Mexico (North of the Chacra line)

5408, 5421, 5441, 5509, 5513, 5519, 5523, 5526, 5535, 5545, 5547, 5558, 5571, 5574, 5577, 5586, 5592, 5596, 5602, 5615, 5629, 5635, 5637, 5639, 5646, 5653, 5664, 5668, 5683, 5684, 5690, 5741, 5744

Perforations continued:

4355, 4357, 4359, 4361, 4363,

4390, 4392, 4394, 4440, 4442,

4444, 4446, 4448, 4488, 4490,

4492, 4494, 4496, 4542, 4544,

4546, 4548, 4550, 4612, 4614,

4616, 4618, 4620, 4722, 4724,

4726, 4728, 4730, 4760, 4762,

4764, 4766, 4768, 5016, 5023,

5028, 5031, 5037, 5055, 5063,

5070, 5090, 5096, 5108, 5114,

5119, 5123, 5126, 5128, 5150,

5226, 5231, 5239, 5247, 5267,

5272, 5276, 5304, 5377, 5381,

5272, 5276, 5304, 5377, 5381,

5272, 5276, 5304, 5377, 5381,