

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo	2047'	2148'	White, cr-gr ss.
Kirtland	2148'	2570'	Gry sh interbedded w/tight, gry, fine-gr ss.
Fruitland	2570'	3035'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.
Pictured Cliffs	3035'	3163'	Bn-Gry, fine grn, tight ss.
Lewis	3163'	3770'	Shale w/siltstone stringers
Huerfanito Bentonite*	3770'	4028'	White, waxy chalky bentonite
Chacra	4028'	4568'	Gry fn grn silty, glauconitic sd stone w/dk gry shale
Cliff House	4568'	4894'	ss. Gry, fine-grn, dense sil ss.
Menefee	4894'	5220'	Med-dark gry, fine gr ss, carb sh & coal
Point Lookout	5220'	5656'	sh breaks in lower part of formation

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2047'	
Kirtland	2148'	
Fruitland	2570'	
Pic.Cliffs	3035'	
Lewis	3163'	
Huerfanito Bent.	3770'	
Chacra	4028'	
Cliff House	4568'	
Menefee	4894'	
Pt.Lookout	5220'	
Perforations continued:		
	4601, 4611, 4625, 4635, 4654,	
	4663, 4670, 4703, 4719, 4734,	
	4754, 4778, 4796, 4805, 4815,	
	4823, 4840, 4854, 4864, 4923,	
	4937, 4965, 4996, 5102, 5137,	
	5162, 5168, 5184, 5190, 5226,	
	5233, 5249, 5259, 5267, 5289,	
	5306, 5336, 5347, 5378, 5383,	
	5475, 5486, 5506, 5519, 5536,	
	5554'	

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