

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH

Ojo Alamo	2162'	2242'	White, cr-gr ss.	Ojo Alamo	2162'	
Kirtland	2242'	2631'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2242'	
Fruitland	2631'	2835'	gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2631'	
Pictured Cliffs	2835'	3369'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2835'	
Huerfanito Bentonite*	3369'	3810'	White, waxy chalky bentonite	Chacra	3810'	
Chacra	3810'	4431'	Gry fn grn silty, glauconitic sd stone w/drak gry shale	Cliffhouse	4431'	
Cliff House	4431'	4602'	ss. Gry, fine-grn, dense sil ss.	Menefee	4602'	
Menefee	4602'	5045'	Med-dark gry, fine gr ss, carb sh & coal	Point Lookout	5045'	
Point Lookout	5045'	5507'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Mancos	5507'	
Mancos	5507'	6249'	Dark gry carb sh.	Gallup	6249'	
Gallup	6249'	6997'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Greenhorn	6997'	
Greenhorn	6997'	7058'	Highly calc gry sh w/thin lmst.	Graneros	7058'	
Graneros	7058'	7096'	Dk gry shale, fossil & carb w/pyrite incl.	Dakota	7096'	
Dakota	7096'		Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks			

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