

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of 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	2555'	2722'	White, cr-gr ss.	Ojo Alamo	2555'	
Kirtland	2722'	3015'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2722'	
Fruitland	3015'	3193'	gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3015'	
Pictured Cliffs	3193'	3700'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3193'	
Chacra	4173'	4747'		Chacra	4173'	
Cliffhouse				Cliffhouse	4747'	
Menefee	4978'	5361'		Menefee	4978'	
Point Lookout	5361'	5840'		Point Lookout	5361'	
Mancos	5840'	6531'		Mancos	5840'	
Gallup	6531'	7315'		Gallup	6531'	
Greenhorn	7315'	7378'		Greenhorn	7315'	
Graneros	7378'	7401'		Graneros	7378'	
Dakota	7401'			Dakota	7401'	

Merfanito Bentonite* 3700' 4173' White, waxy chalky bentonite

Chacra 4173' 4747' Gry fn grn silty, glauconitic sd stone w/drck gry shale

Cliff House 4747' 4978' ss. Gry, fine-grn, dense sil ss.

Menefee 4978' 5361' Med-dark gry, fine gr ss, carb sh & coal

Point Lookout 5361' 5840' Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation

Mancos 5840' 6531' Dark gry carb sh.

Gallup 6531' 7315' Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh

Greenhorn 7315' 7378' Highly calc gry sh w/thin lmst.

Graneros 7378' 7401' Dk gry shale, fossil & carb w/pyrite incl.

Dakota 7401' Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks

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