

NMOC D ~~7~~

API # 30-045-34737		Howell A 1B			
Ojo Alamo	1323'	1544'	White, cr-gr ss.	Ojo Alamo	1323'
Kirtland	1544'	2088'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1544'
Fruitland	2088'	2550'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2088'
Pictured Cliffs	2550'	2737'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2550'
Lewis	2737'	3283'	Shale w/siltstone stringers	Lewis	2737'
Huerfanito Bentonite	3283'	3517'	White, waxy chalky bentonite	Huerfanito Bent.	3283'
Chacra	3517'	4046'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3517'
Mesa Verde	4046'	4323'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4046'
Menefee	4323'	4733'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4323'
Point Lookout	4733'		Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	4733'
Mancos			Dark gry carb sh.	Mancos	
Gallup			Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	
Greenhorn			Highly calc gry sh w/thin lmst.	Greenhorn	
Graneros			Dk gry shale, fossil & carb w/pyrite incl.	Graneros	
Dakota			Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	