

3003931002		FEDERAL 13N			
Ojo Alamo	2257'	2413'	White, cr-gr ss.	Ojo Alamo	2257'
Kirtland	2413'	2700'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2413'
Fruitland	2700'	2936'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2700'
Pictured Cliffs	2936'	3072'	Bn-Gry, fine grn, tight ss.	Pic. Cliffs	2936'
Lewis	3072'	3356'	Shale w/siltstone stringers	Lewis	3072'
Huerfanito Bentonite	3356'	3803'	White, waxy chalky bentonite	Huerfanito Bent.	3356'
Chacra	3803'	4591'	Gry fn grn silty, glauconitic sd stone w/drck gry shale	Chacra	3803'
Mesa Verde	4591'	4640'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4591'
Menefee	4640'	5175'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4640'
Point Lookout	5175'	5610'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5175'
Mancos	5610'	6262'	Dark gry carb sh.	Mancos	5610'
Gallup	6262'	7110'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6262'
Greenhorn	7110'	7166'	Highly calc gry sh w/thin lmst.	Greenhorn	7110'
Graneros	7166'	7223'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7166'
Dakota	7223'	7470'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	7223'
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

RCVD APR 17'12
OIL CONS. DIV.
DIST. 3