

UTE AB 2 - PROPOSED PILOT HOLE & LATERAL WELLBORE SCHEMATIC (NOT TO SCALE)

Revised: 11/24/2015

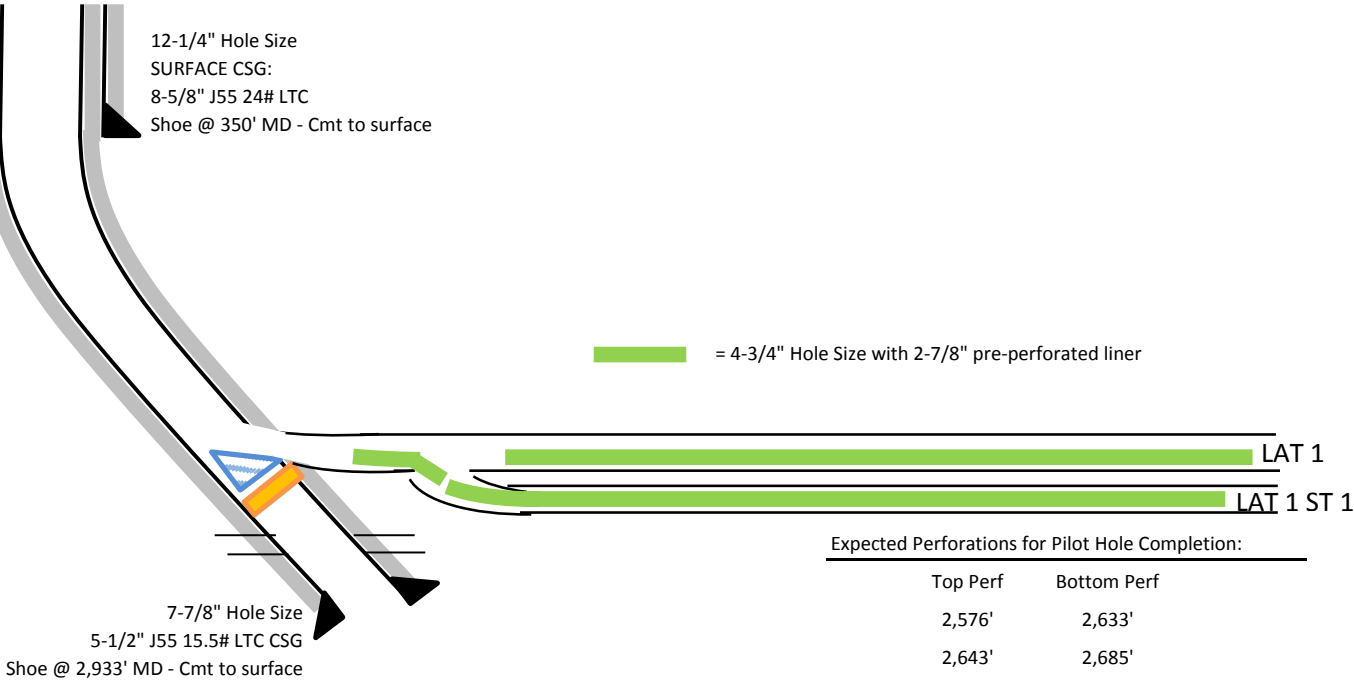
SHL (NAD 83): 37.10001149o N LAT / 107.61128115o W
SEC 16 / T33N / R07W - La Plata County, CO
1459' FSL & 1213' FEL

Depths referenced to GL of 6443.33' & RKB 11' @ 6454.33'

EAST

Marker	TVD	MD
Animas	11'	11'
Lwr. Animas	1,265'	1,306'
Kirtland Sh	1,627'	1,704'
Farmington Ss	1,869'	1,970'
Lwr. Kirtland Sh	2,182'	2,303'
Fruitland Coal	2,453'	2,576'

Pictured Cliffs SS	2,610'	2,733'
TOTAL DEPTH:	2,810'	2,933'



WEST

Expected Perforations for Pilot Hole Completion:

Top Perf	Bottom Perf
2,576'	2,633'
2,643'	2,685'
2,695'	2,723'

Lateral Name	Top of Window (MD)	Base of Window (MD)	Bridge Plug (MD)	KOP (MD)	KOP (TVD)	KOP Method	TD (MD)	TD (TVD)	Top of Liner (MD)	End of Liner (MD)	Target Coal Zone	BHL SEC-16-T33N-R7W
PILOT	N/A	N/A	N/A	440	440	OH	2933	2810	N/A	N/A	Fruitland	1459' FSL & 1213' FEL
LAT 1	2391	2396	2401	2396	2273	Whipstock	5927	2504	3037	5927	Fruitland	1903' FSL & 710' FWL
LAT 1 ST 1	N/A	N/A	N/A	2937	2590	OH S/T	6024	2504	2406	6024	Fruitland	711' FSL & 710' FEL

*NOTE: Tops are approximate and will shift based on tops after the pilot is logged and will need to be adjusted for casing collars. Whipstock and bridge plug to be removed after running the liner in LAT 1 ST 1. This may be performed with a service rig. Perforation intervals may change based on OH logs.