

GLOVER 4 PROPOSED PILOT HOLE & MULTI-LATERAL WELLBORE SCHEMATIC (NOT TO SCALE)

Depths referenced to GL of 6380' & RKB 11' @ 6391'

SOUTH

Marker	TVD	MD
Animas	11	11
Lwr. Animas	1,856'	1,892'
Kirtland Sh	2,074'	2,125'
Farmington Ss	2,221'	2,282'
Lwr. Kirtland Sh	2,668'	2,787'
Fruitland Coal	2,862'	3,088'
Pictured Cliffs SS	3,014'	3,438'
TOTAL DEPTH:	3,096'	3,634'

*NOTE: Surface csg may be preset
12-1/4" Hole Size
SURFACE CSG:
8-5/8" J55 24# STC
Shoe @ 350' MD - Cmt to surface
246 SX of 15.8 ppg cement

NORTH

7-7/8" Hole Size
5 1/2" J55 15.5# LTC CSG
Shoe @ 3634' MD - Cmt to surface
212 xs Lead 12.3 ppg, 152 sx of Tail 13.5 ppg.

= 4-3/4" Hole Size with 2-7/8", 6.5#, J55, EUE pre-perforated liner

LAT 2

LAT 1

LAT 1 ST1

Pilot will not be completed. The laterals will have natural, uncemented completion. Liners will be run in laterals to prevent wellbore collapse.

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 SEC02-T32N-R6W
PILOT	N/A	N/A	N/A	400	400	OH	3,634	3,096	N/A	N/A	Fruitland Coal	1157' FSL & 1350' FEL
LAT 1	3225	3232	N/A	3225	2923	Whipstock	7,075	2,931	3478	7075	Fruitland Coal	710' FNL & 766' FEL
LAT 1 ST1	N/A	N/A	N/A	3403	2950	OH	7,107	2,961	3235	7107	Fruitland Coal	710' FNL & 1872' FEL

*NOTE: Tops are approximate and may shift based on tops after the pilot is logged. Casing exits will be adjusted for casing collars. Whipstocks and bridge plugs to be removed after running the last liner. Removal of whipstock from first casing window may be performed with a service rig.