Sample # Formation Age Location Lat/Long Date/Description Local in section Analyses

UT13-SM-1Jmt Tidwell Member Jurassic Shadscale Mesa N38.88903° W110.44246° June 5, 2013 green shale minor nodular gypsum, massive at bottom disturbed lamina at top .2m

UT13-SM-2Jmt Tidwell Member Jurassic Shadscale Mesa N38.88903° W110.44246° June 5, 2013 (gypsum) intercalated gypsum/shale red and green mottled mudrock weakly disturbed lamina nodular gypsum with chert .5m

UT13-SM-3Jmt Tidwell Member Jurassic Shadscale Mesa N38.88903° W110.44246° June 5, 2013 nodular to massive, silty muddy gypsum 2.0m

UT13-SM-4Jmt Tidwell Member Jurassic Shadscale Mesa N38.88903° W110.44246° June 5, 2013 massive nodular gypsum with granular ripped up/broken up possible karst, chert red concretions 4.0m