The Discovery Group, Inc.

Client: Kansas Geological Survey
DOE Mesaverde Petrophysics Project

Part 1 of 2

Operator: CER Corporation
Location: SESWNW sec. 34, T6S-R94W
Formation: Mesaverde Group
Core depth: 4870-8141' gross
Core storage location/Library no.: USGS CRC T-649
Described by: John C. Webb, Danielle Strickler

Lease: MWX-2 Superior
County: Garfield State: Wyoming
Basin: Piceance
Log depth 4850-4960 ft = Core depth -10 ft
API: 05-045-06001-0000
Core diam: 4 inch Slabs: 1/3 Condition: Excellent

Depth (in ft) | Lithology (Est % Ss 75 50 25) | Color (wet) | Lithology and sedimentay structures (Evap, Bstn, Rdst, Grst, Pkst, Wkst, Mdst; Cngl, VC/C, Med, Fine, V Fine, Silt/Coal, Clay/Ash; Lrg, S|g, U|L, U|L, U, L, U, L, U, L) | Digital Rock Type | Spls. (K-KGS T-TS S-SCAL) | Sid | Cal | Environment of deposition

Williams Fork Formation,
Fluvial interval of Lorenz, et al.
Sandia Laboratories MWX reports

Environment of deposition: Rooted zone; Channel fill; Channel fill; Soil developed in abandoned channel fill; Channel fill and abandonment, tidally influenced; Channel fill; Channel fill and abandonment, tidally influenced; Channel abandonment

NO CORE 4955-5487'

Log depth 5480-5500 ft = Core - 4 ft

Environment of deposition: Channel fill, tidally influenced

NO CORE 5496-5551'

Log depth 5530-5580 ft = Core - 8 ft

Environment of deposition: Channel fill, tidally influenced, amalgamated; Channel abandonment

Fracture zone, Williams Fork Fm.
Lorenz, et al.
Sandia Laboratories MWX reports

NO CORE 557-5700'

Log depth 5680-5880 ft = Core - 8 ft

Environment of deposition: Channel fill; Channel abandonment; Channel fill and abandonment, tidally influenced; Tidal creek; Tidal creeks and marsh; Tidal creeks and marsh; Lagoon fill; Channel abandonment; Channel fill, tidally influenced; Tidal creek; Lagoon fill; Tidal creeks

Williams Fork Formation
Coastal interval of Lorenz, et al.
Sandia Laboratories MWX reports

NO CORE 5877.5-6390'

Log depth 6830-6570 ft = Core - 4 ft

Environment of deposition: Tidal creek; Channel abandonment; Channel fill, amalgamated; Tidal creek; Channel abandonment; Channel fill, tidally influenced, amalgamated; Channel fill, tidally influenced, amalgamated; Channel abandonment ?

Williams Fork Formation
Paludal interval of Lorenz, et al.
Sandia Laboratories MWX reports

NO CORE 6569.5-7080'

Log depth 7070-7400 ft = Core - 7 ft

CORE CONTINUED ON PART 2