

Lost Creek ISR, LLC TYPE LOG – LOST CREEK PROJECT

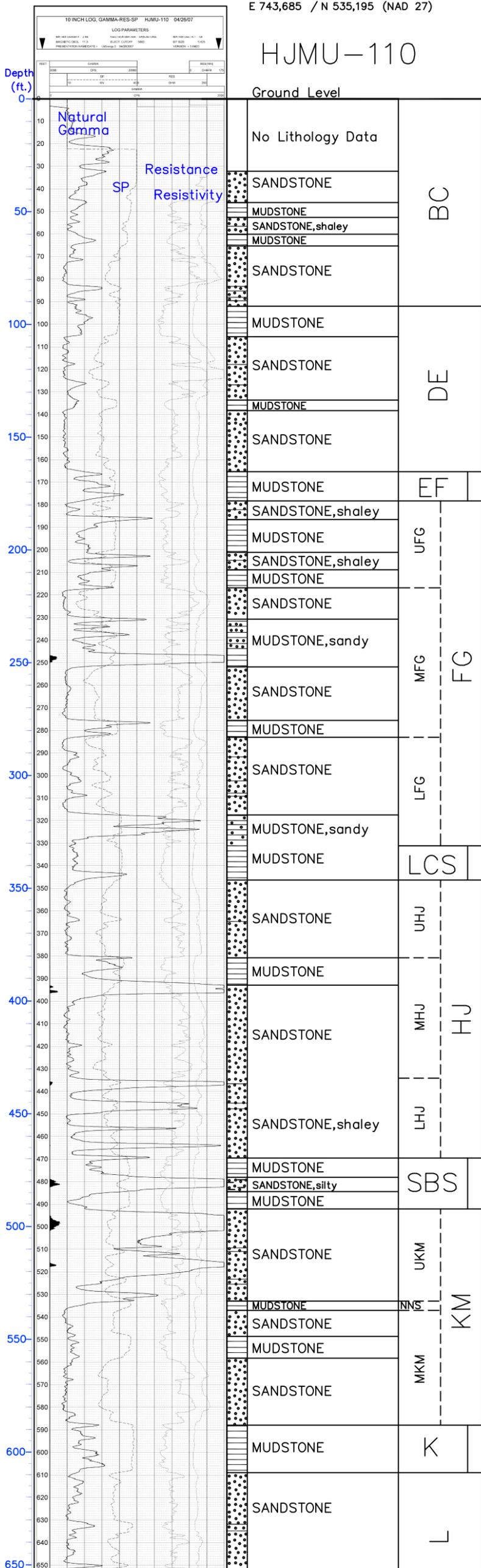
WELL # HJMU-110

E 2,212,004 / N 595,897 (NAD 83)
E 743,685 / N 535,195 (NAD 27)

Battle Springs Formation – Typical Lithology

HJMU-110

Ground Level



SANDSTONE: arkosic; medium to very coarse-grained, locally fine-grain; poorly-sorted; subangular to angular; weakly to moderately consolidated, moderately firm.
Represents bed-load to mixed-load, channel-fill fluvial environments within a distal alluvial fan system.

MUDSTONE, commonly very silty and/or sandy; soft to very firm; and
CLAYSTONE, moderately firm to very firm, dense, blocky.
Secondary amounts of SILTSTONE, commonly very sandy, firm to very firm.

Represents inter-channel and overbank fluvial environments.

Considerable lateral facies changes, inter-tonguing, and overlapping occurs between the two dominant lithologies. This can be very dramatic within short distances.

DE Horizon: Multiple sandstone units interbedded with mudstones
Host to secondary amounts of uranium mineralization.

EF: (upper No-Name Shale): Mudstone and claystone, commonly silty and/or sandy; locally with interbedded very fine-grained sands. Does not exhibit lateral continuity throughout project area. Represents a series of overlapping shaley units.

Overlying
Aquifer

FG Horizon: Multiple sandstone units interbedded with mudstones
Host to secondary amounts of uranium mineralization.

Upper
Confining Unit

LCS (Lost Creek Shale): Mudstone and claystone, commonly silty and/or sandy; locally with interbedded very fine-grained sands. Exhibits lateral continuity throughout project area. Commonly intertongues with upper portions of the HJ and lower portions of the FG.

Production
Zone
Aquifer

HJ Horizon: Multiple sandstone units interbedded with mudstones
Primary host to uranium mineralization.

Lower
Confining Unit

SBS (Sagebrush Shale): Mudstone and claystone, commonly silty and/or sandy; locally with interbedded very fine-grained sands. Exhibits lateral continuity throughout project area. Commonly intertongues with upper portions of the KM and lower portions of the HJ.

Underlying
Aquifer

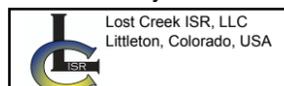
KM Horizon: Multiple sandstone units interbedded with mudstones
Host to significant uranium mineralization.

Includes NNS (No Name Shale) separating UKM from MKM.
Does not exhibit regional continuity.

(Note: MKM has recently been renamed LKM).

K (K Shale): Mudstone and claystone, commonly silty and/or sandy.

Vertical Scale: 1"=50' (TD 850)



**FIGURE D6-10
Site Hydrostratigraphic Units**

Lost Creek Permit Area

Issued For: WDEQ-LQD 3.0

Issued/Revised: 4.28.09 Drawn By: CVH