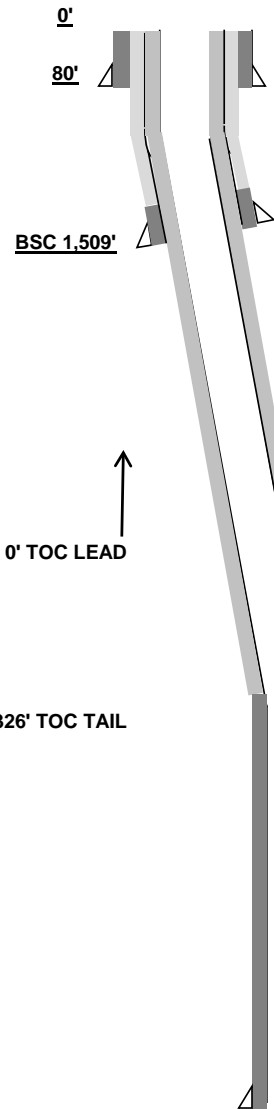


Powder Wash 19-1
Moffat County, CO

SHL 1,094' FSL x 1,261' FEL Sec 19-T12N-R97W
BHL 1,250' FSL x 830' FEL, Sec 19-T12N-R97W



CONDUCTOR

Hole Size: 17.5 Auger
Conductor: 80', 16"
Cement: As Needed
TOC: Surface

SURFACE

Hole Size: 12-1/4" **Mud Type:** Fresh Water 8.4-8.8ppg
Casing: 1,509', 9-5/8", 36 ppf, J55, LTC
Lead Cmt: 250 sxs Varicem w/.125 pps Poly-E-Flake, .25 pps Kwik Seal, 12.0 ppg, 2.57 cfs, 100% excess
Tail Cmt: 185 sxs Varicem w/.125 pps Poly-E-Flake, .25 pps Kwik Seal, 13.5 ppg, 1.82 cfs, 100% excess
TOC: Surface
BOPE: 11" 3,000 psi
FIT after drill out 10.0 ppg EMWt

PRODUCTION

Hole Size: 7-7/8" **Mud Type:** WBM 8.4 ppg - 9.9 ppg
Casing: 8,546', 4.5", 11.6 ppf, P110, LTC
Lead Cmt: 595 sxs EconoCem w/ .25 pps Poly-E-Flake, 0.25 lbm/sk Kwik Seal, 11.5 ppg, 2.22 cfs yld, 30% excess
Tail Cmt: 845 sx EconoCem w/ 1% Bentonite, 0.05% SA-1015, 0.15% HR-5, .125 pps Poly-E-Flake, .25 pps Kwik Seal, 13.5ppg, 1.49 cfs, 30% excess