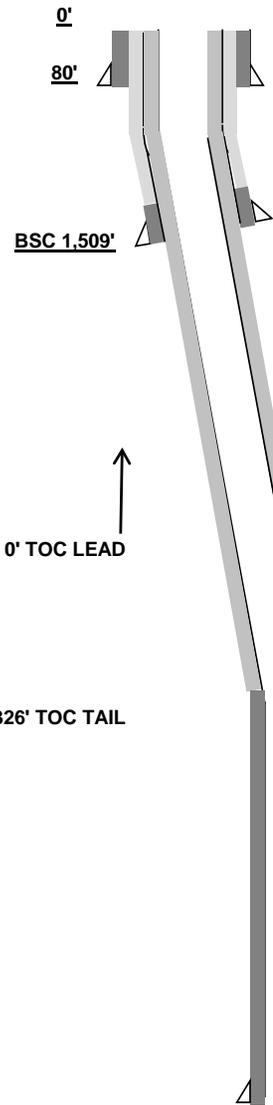


**Powder Wash 19-1
Moffat County, CO**

**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