

Federal 11-90-9 Well #3
Gunnison County, CO
Rev. #2

KOP 2
963.15' Displacement from S/L
@ 14.54° Azimuth from S/L
North-932.31' East-241.81' of S/L
TVD-8710.64' MD-8774'
Y=1474366.13', X=2444688.9'

Horizontal Plan

1" = 2000'



Surface Location
Y=1473433.82'
X=2444447.1'

1000 0 1000 2000 3000 4000
1000 0

Proposed Landing
700.46' Displacement from S/L
@ 50.65° Azimuth from S/L
North-444.09' East-541.69' of S/L
TVD-9283.6' MD-9674'
Y=1473877.91', X=2444988.78'

Plane of Proposal
140.34° Azimuth

Vertical Section
1" = 2000'

0
100 0° 1000 M.D. Start Build
516 7.76° 1517 M.D. End of Build

Rate of Build
1.5°/100'MD

2000
3000
4000
5000

Average Angle
7.76°

Proposed BHL
4924.68' Displacement from S/L
@ 140.34° Azimuth from S/L
North-3791.44' East-3142.83' of S/L
TVD-8726' MD-14676'
Y=1469642.38', X=2447589.93'

Rate of Drop
1°/100'MD

Rate of Build
1.5°/100'MD

340 8000 7.76° 8001 M.D. Start Drop
711 0° 8774 M.D. KOP-2 / Vertical
726 90° 9674 M.D. Landing / Adjust Angle
784 96.54° 9892 M.D. Lock-In
10000 4925'

0

2000 4000 6000

10-24-2012