



Well Name GM 702-4-HN1

Location: Piceance Basin, CO
Field: Grand Valley
Pad: GM 32-4
API#: 05-045-22051-00
Surface Location: Sec 4, T7S, R96W
BH Location: Sec 4, T7S, R96W
KB: 25 ft (Aztec 1000)
Datum:
TD: 16,353 ft
Float Collar: 14,982 ft
Landing Point: 10,837 ft
KOP: 9,639 ft
Lateral Pay Length 4000
Plug-Plug Distance 000' ft

Surface Casing: 13-3/8" 68# HCN-80
 Set at: 2,472 ft
 Top of Cement: Surface

Intermediate Casing: 7 5/8" 29# HCP-110
 Set at 10,727'
 Top of Cement 2810'

Production Casing: 5 1/2" 23# HCP-110 x 4 1/2" 15.1# HCP-110
 Cross-Over 7,618'
 Set at Surface to 7,618' x 7,616' to 15,032'
 Top of Cement 5,312'

TOC from squeeze: 4420'
 CICR at 4910' w/1.5bbls cement (50)
 4 spf at 4960'. 50 sacks of 15.8 (1.15 yield) and 50 sacks 17 ppg (.99 yield)
 CIBP at 5695'
 2spf casing punch
 CIBP at 6010' w/4 sacks 16.2 ppg (1.14 yield)
 4 1/2" Cement retainer at 8,448'. 4 sacks 16.2 ppg (1.14 yield)
 4 squeeze perfs at 8,550'. 75 sks 15.8ppg cement (1.52 cuft/sk). No new TOC visible

4 1/2" CIBP @ 9905'
 4 1/2" CIBP @ 9930'
 Perfs at 9,950'
 Perfs at 10,331'
 Perfs at 10,470' squeezed with 17.5 ppg ceme
 4 1/2" CIBP @ 10,476' (tagged up) @ 65 deg

13,485' - Deepest CT Depth w/ 3 5/8" mill

TD: 15,010'

Intermediate Shoe @ 10,727'

Total MD = 16,200 ft