

McGruder Hill "12" Fed #1

DST Results:

DST #1

9440' - 9606'

Upper Penn Canyon C2 & C3

Opened tool w/ weak blow decreasing to no blow in 15 mins. Closed for 30 min ISIP. Re-open tool w/ no blow for 60 mins, then increasing to weak blow, 7 oz on 1/8" choke for 120 min FFP. Closed tool for 4 hr FSIP. Recovered no gas in DP, 159' of drilling mud. Sample chamber 2500 cc mud, 0.02 cu.ft. gas.

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|-------|-------------|----------|
| IHP: | 4194# | |
| IFP: | 77# - 103# | 15 mins |
| ISIP: | 103# | 30 mins |
| FFP: | 103# - 309# | 120 mins |
| FSIP: | 2809# | 240 mins |
| FHP: | 4220# | |

DST #2

9900' - 9920'

Strawn Sand

Opened tool w/ weak blow, 1/4# in BB. Shut-in for 30 min ISIP. Re-open w/ good initial blow increasing steadily to 5.25 psi on 1/8" BH. SI for 180 mins, GTS 10 mins after FSI. 3-5 flare, TSTM. Rec 1000' water cushion and 93' drilling mud.

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|-------|-------------|----------|
| IHP: | 4482# | |
| IFP: | 721# - 734# | 15 mins |
| ISIP: | 1630# | 30 mins |
| FFP: | 386# - 438# | 60 mins |
| FSIP: | 3776# | 180 mins |
| FHP: | 4482# | |

DST #3

10,651' - 680'

Upper Morrow "A" Sand

Opened tool w/ good blow, GTS in 5 mins, increased to 1150 psi on 24/64" choke after 15 mins. Re-open for 2 hr FF increasing to 1100 psi in 20 mins and decreasing to 760 psi @ end. Recovered 171' condensate and 210' of filtrate water. Sample chamber 5.21 cu.ft. gas @ 800#, no fluid.

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|-------|---------------|----------|
| IHP: | 4942# | |
| IFP: | 1517# - 1619# | 15 mins |
| ISIP: | 3973# | 60 mins |
| FFP: | 1452# - 1016# | 60 mins |
| FSIP: | 3767# | 180 mins |
| FHP: | 4949# | |