



Recompletion Procedure

Well Name: **MV 45-10** Prepared By: Jason Petermen
Location: **NWNE 10-7S-96W** Cell Phone: (970)456-6334
Field: **Grand Valley** Date: 5/5/2014
API: **05-045-06786**

Surface Casing: 9-5/8" 36# set @ 331-ft
Production Casing: 5-1/2" 17# set @ 6,603-ft
PBTD: 6,603-ft
TOC: 4,676-ft
Tubing: 2-3/8" tbg @ 6,049-ft
MV Completions: Cameo through MV-2 (5,094 - 6,217-ft)
Correlate Log: CBL

Purpose: To add Reservoir pay within the Mesaverde by perforating and hydraulically fracturing an additional 221'.

Proposed Procedure:

- 1 Move in and Rig up Well Service Rig and equipment
 - 2 PSI Test Tubing to 2,000 psi
 - 3 Functional Test BOP's, Nipple down Tree and Rig up BOP's
 - 4 PSI test BOP's to 2,000 psi
 - 5 Free 2-3/8" production tubing trip tubing in wellbore to 6,500'
 - 6 If fill is tagged wash to minimum depth of 6,500'
 - 7 Once maximum depth is reached trip out 2-3/8" Production tubing and laydown
 - 8 Pick up 3-1/2" Frac String with 2-7/8" packer and trip in hole set 50' above top perf
 - 9 Rig up Cameron Frac Tree test to 7,000 psi
 - 10 Pressure test casing tubing and packer to 7,000 psi
 - 11 Rig up Rocky Mountain Wireline and Perforate Lower Cameo and Cameo
- | Interval | SPF |
|-------------------|----------------|
| 6,438' | 2 |
| 6,412' | 2 |
| 6,400' | 2 |
| 6,350' | 2 |
| 6,326' | 2 |
| 6,305' | 2 |
| 6,295' | 2 |
| 9 Total Intervals | 14 Total Holes |
| | 2.14BPP |
- 12 Move in Halliburton Frac Services and begin Stimulation of Cameo and Lower Cameo
 - 13 Rig out Halliburton Stim Services and secure pad
 - 14 Rig up B&S Flow Testers and begin flowback operations
 - 15 Flow Test well up 3-1/2" casing for 3 months