



# Exploration and Production

## Water Isolation Procedure

Wellname: **GM 23-12**  
Location: **NWSW 12 7S 96W**  
Field: **Grand Valley**  
API: **05-045-08967**

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Surface Casing: 9-5/8" 32.3# set @ 1209-ft  
Production Casing: 4-1/2" 11.6# set @ 6,262-ft  
Tubing: 2-3/8" tbg @ 5,941-ft  
MV Completions: 4,521 - 5,522- ft  
Cameo Completions: 5,678 - 6,114-ft  
TOC/Correlate Logs: 3100-ft / HAL Cement Bond Log 02/07/03

Purpose: Isolate high water producing zone

### **Proposed Procedure:**

- 1 MIRU service rig, POOH w/ 2-3/8" tbg
- 2 RIH with RBP, set at 4450' with 2 sks sand to isolate perforations, pressure test 4-1/2" csg to 1000 psi
- 3 If pressure test fails, squeeze failing area with cement
- 4 If pressure test passes, re-set RBP at 50' below MV 3, POOH and PU packer, set at 50' above MV 3 and swab test to identify high water producing interval
- 5 Squeeze high water producing interval with cement, WOC 24 hrs
- 6 RIH with tubing and bit, drill out cement and pressure test squeezed perforations to 1000 psi
- 7 Clean out wellbore, re-land tubing and return to production
- 8 Submit subsequent report