



Exploration and Production

Water Isolation Procedure

Wellname: **GM 34-14**
Location: **SWSE 14 7S 96W**
Field: **Grand Valley**
API: **05-045-07440**

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Surface Casing: 9-5/8" 32.3# set @ 328-ft
Production Casing: 4-1/2" 11.6# set @ 5,645-ft
Tubing: 2-3/8" tbg @ 5,280-ft
MV Completions: 4,434 - 5,014- ft
Cameo Completions: 5,183 - 5,430-ft
TOC/Correlate Logs: 4300-ft / RMWS Cement Bond Log 09/18/00

Purpose: Isolate high water producing zone

Proposed Procedure:

- 1 MIRU service rig, POOH w/ 2-3/8" tbg
- 2 RIH with RBP/packer, fail pressure test at leaking squeeze perf at 4100'. Injection rate 2 bpm at 1230 psi
- 3 Pump 200 sks 15.8 ppg Class G cement through packer, WOC 60 hrs, drill cement, fail pressure test
- 4 Pump 50 sks 12.7 ppg Cemfine balanced plug from 3750-4182', hesitate squeeze, WOC 24 hrs, tag cement at 3768', drill 425' of cement, pressure test to 500 psi, 0 psi leak off, pass
- 5 Set RBP at 4654', packer at 4315', pump 100 sks 17 ppg Class G, followed by 200 sks 16 ppg Class G
- 6 Perfs at 4434', 4469', 4507', and 4547' (MV 2, 18 shots) abandoned with cement
- 7 WOC 60 hrs, tag cement at 4315', drill 335' to 4650', pressure tested to 500 psi
- 8 Remove RBP, clean out wellbore, re-land tubing and return to production
- 9 Submit subsequent report

