



Great Western Oil and Gas Company

Mitigation Procedure

Wellname: **Great Western 23-44** Prepared By: Paul Salaz 12/17/2015
Location: **NENE 26 6N67W** Office Phone:
API: **05-123-24723** Cell Phone: 303-877-3388
Directions:

Surface Casing: 8 5/8" 24# at 456 ft
Production Casing: 4 1/2" 11.6# at 7478 ft
Perfs: 7007 ft - 7150 ft
Tubing: 2 3/8" at 7318 ft
TOC: 3290 ft (CBL)
Deepest Water Well: 480 ft
Base Upper Pierre: 1150 ft (approx)
Top Niobrara: 7002 ft

Invoice Coding: Please sign/code all invoices to "GWOG Burr Pad Mitigation" 8420.451

Objective: Isolate Fox Hills/Upper Pierre for offset frac

Procedure:

- 1 Check pressures/kill well if needed
- 2 MIRUSU, ND wellhead, NU BOPS
- 3 POOH w/ 2 3/8" tbg
- 4 RIH w/ RBP and set at 6900 ft
- 5 ND BOPs and unland 4 1/2"
- 6 NU 8 5/8" flange, split flange, BOPs
- 7 PU and RIH w/ 1 1/4" tbg in annulus circulating
Attempt to get to 1300 ft and pump 275 sx Type III 1.33 cuft/sx plug to surface
POOH w/ 1 1/4" laying down
- 8 ND BOPs/land csg in slips/install surface csg head
- 9 NU 5K tbg head and BOPs
- 10 WOC for 24 hrs
- 11 Run CBL from 1600 ft to surface to verify isolation, call with results
- 12 RIH w/ 2 3/8" and retrieving head pressure testing, release RBP at 6900'
- 13 POOH, LD plug
- 14 RIH land 2 3/8" at 7320 ft +/- 5 ft
- 15 Return to production

Please keep CBL, all wireline and cement tickets for subsequent report requirements