



Great Western Oil and Gas Company

Mitigation Procedure for Blue Chip Oil, Inc.

Wellname: **Sloan #1** Prepared By: Ty Woodworth 1/29/2016
Location: **NENE 25 6N 67W** Office Phone:
API: **05-123-13536** Cell Phone: 970-274-9254
Job Supervisor:
Directions:

Surface Casing: 9 5/8" at 319 ft
Production Casing: 4 1/2" 15.1# at 7669 ft
Open Perfs: 6920 - 7103 ft
Tubing: 2 3/8" (J55?) 218 jnts at 6923 ft w/ SN
TOC: 6380 ft (need to verify)
CIBP: 7400 ft (J Sand perfs at 7564-7588ft)
Deepest Water Well: 480 ft
Base Upper Pierre: 1195 ft
Top Niobrara: 6860 ft

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

Objective: Isolate Fox Hills/Upper Pierre for offset frac

Procedure:

- 1 Check pressures/kill well if needed (check bradenhead pressure)
- 2 MIRUSU, ND wellhead, NU BOPS
- 3 POOH w/ 2 3/8" tbg
- 4 RU WL run 3.70" gauge ring to 6800 ft
- 5 RIH w/ RBP on tbg set at 6400 ft
 - NOTE: Need RBP for 15.1# casing, 3.701" drift ID
 - NOTE: well has possible tight spot at 6448 ft (tagged w/ 3.634" RBP)
- 6 Roll gas/oil out of hole, test casing and plug to 500 psi
- 7 POOH tbg
- 8 Run CBL from 6400' to surface, ensuring hole is full
(Results may dictate the rest of the procedure)
- 9 ND BOPs and unland 4 1/2"
(if cant unland, perf at 1300 ft and circ cement thru retainer at 1250 ft)
- 10 NU 8 5/8" flange, split flange, BOPs
- 11 PU and RIH w/ 1 1/4" tbg in annulus circulating clean
- 12 Attempt to get to 1300 ft and pump 325 sx 15.8 ppg G 1.15 cuft/sx w/ .5% CaCl
- 13 POOH w/ 1 1/4" laying down
- 14 ND BOPs/land csg in slips/install surface csg head
- 15 NU **5K** tbg head and BOPs
- 16 WOC for 12-24 hrs
- 17 Run CBL from 3000 ft to surface to verify isolation, call with results
- 18 Pressure test 5K wellhead and casing to 3000 psi
- 19 RIH land 2 3/8" at 6300 ft w/ new SN and retrieving head on bottom
- 20 NDBOP/NUWH, RDMO
- 21 Hang "Shut In for Offset Frac" sign

(Will return after offset fracs to pull RBP and re-run tbg)

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

After Burr Pad is frac'd and drilled out:

- 1 MIRUSU, ND wellhead, NU BOPS
- 2 Unland tbg
- 3 RIH and retrieve RBP at 6400 ft, POOH
- 4 RIH w/ new SN and land tbg at 6923 ft
- 5 NDBOP/NUWH, RDMO