



# WPX Energy

## Remedial Cement Procedure

Wellname: **SG 534-27**  
Date: 12/20/2013  
Field: South Grand Valley

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Purpose: Remediate bradenhead pressure

### Well Information:

API Number:	05-045-21025
Production Casing:	4-1/2" 11.6# I-80
Shoe Depth:	5282'
Surface Casing Depth	1017'
Tubing:	2 3/8" N-80 at 5,013 ft
Perforated Interval:	4020'-5115'
Top of Mesaverde:	2460'
Top of Gas:	3888'
Correlate Log:	Baker CBL Log 07/02/2012
Current TOC:	1470'
Max pressure:	300 psi

### Well History:

This well was drilled and completed on 7/4/2012  
Initial bradenhead pressure was 59 psi  
The pressure has since built to 335 psi  
WPX is requesting permission to remediate

### Proposed Procedure:

- 1 MIRU service unit. POOH w/ 2 3/8" tbg
- 2 RIH w/ wireline and set RBP at 1500 ft.  
Bleed gas from wellbore  
Pressure test plug to 1000 psi  
Perforate sqz holes at 1310 ft (deepest true free pipe)  
Pump injection test at 1/2bpm, 3/4 bpm and 1bpm if there are returns through the bradenhead  
Get ISIP, 5, 10 and 15 min shut in pressure  
Call Kristin with results
- 3 MIRU HES Cement Crew.  
Pump 20 Bbls Mud Flush and 5 Bbls fresh water spacer  
Pump 75 sx 15.8 ppg Cement  
Leave 1 bbl of cement in casing
- 4 **SI Bradenhead to allow cement to set - Monitor pressure.**  
Hold final squeeze pressure on casing
- 5 Allow for 24 - 48 hrs cement set time.  
**Monitor Bradenhead Pressure - Call Denver if it reaches 150 psi.**
- 6 RIH with bit and 2 3/8" tubing. Drill out Cement

POOH bit and tubing.

Run CBL from (RBP depth) ft to surface shoe (Send .pdf and hard copy to Parachute)

Pressure Test Squeeze Holes to 1,000 psi

***Monitor Bradenhead Pressure - Call Denver if it reaches 150 psi.***

- 7 If bradenhead flow is mitigated, proceed as follows:  
MIRU wireline and RIH to retrieve RBP  
RD wireline