



**WPX ENERGY** WPX Energy  
Low TOC Remediation Procedure

Wellname: **GM 313-33**  
Date: 12/5/2014  
Field: Parachute

Prepared By: Jennifer Schrant  
Cell phone: (303) 885-7752

Purpose: Increase the height of the cement to 200 feet above the mesa verde formation

Well Information:

API Number:	05-045-22493
Production Casing:	4-1/2" 11.6# I-80
Shoe Depth:	6,719.2 ft
Float Collar Depth	6,717.3 ft
Surface Casing Depth	1,041.1 ft
Top of Mesaverde:	3,659 ft
Top of Gas:	4,867 ft
Correlate Log:	Baker CBL - 11/15/2014
Max pressure:	2,500 psi

Well History:

- This well has the Lower Cameo and Cameo zones completed
- The well has a TOC at 3970', which is approximately 500 ft below required top

Proposed Procedure:

- 1 RIH and set in solid composite plug at 3,120 ft  
RIH with wireline and shoot 3 holes at 3,070 ft  
Use rig pump to get injection test  
Pump Injection Test: 2, 3, & 4 bpm  
Get ISIP, 5, 10, and 15 min shut in pressures  
  
RIH and set cement retainer at 2950 ft  
  
RIH with tubing and sting into retainer  
MIRU cement crew  
\*Depending on Injection Test the Spacer will either be water, Mud Flush, or Super Flush  
Pump minimum of 100 sacks of 15.8 ppg cement with fluid loss and 50 sacks of 16.2 ppg cement with fluid loss- volume can be adjusted based on injection results  
Sting out of retainer and reverse clean tubing  
POOH with tubing  
Allow cement to set for 24 hours

Run a CBL log to confirm new TOC  
Send copy of bond log to Jennifer Schrant  
RIH with bit and tubing and drill out cement retainer and cement to solid plug at 3,120 ft  
Pressure test squeezed perfs to 2000 psi

If new TOC is not acceptable another squeeze procedure will follow