WPX Energy
Bradenhead Remediation Procedure

Wellname:	**PA 431-7**	Prepared By:	Jennifer Schrant
Date:	4/15/2014	Cell phone:	(303) 885-7752
Field:	Parachute		

Purpose: Remediate Bradenhead Pressure

Well Information:

API Number:	05-045-22235
Production Casing:	4-1/2" 11.6# E-80
Shoe Depth:	7802.6 ft
Float Collar Depth	7051.3 ft
Surface Casing Depth	1475 ft
Top of Mesaverde:	3911 ft
Top of Gas:	4952 ft
TOC:	3546 ft
Correlate Log:	Baker CBL - 4/17/14
Max pressure:	2,500 psi

Well History:
- This well has been completed
- This well originally had 520 psi bradenhead pressure after drilling
- The well has a TOC at 3546'

Proposed Procedure:

*Depths of perfs and plugs subject to change depending on gas analysis results

1   MIRU work over rig
      Unland tubing and POOH

      RIH and set in solid composite plug at 2722 ft below holes ft
      Pressure Test Plug to 3000 psi
      RIH with wireline and shoot 4 holes at 2622 ft
      Use rig pump to get injection test
      Pump Injection Test: 0.5, 1, & 2 bpm
      Get ISIP, 5, 10, and 15 min shut in pressures and send to Jennifer

      RIH and set cement retainer at 2522 ft above perf

      RIH with tubing and sting into retainer

MIRU cement crew
Cement blend will change based on injection test
Pump 200 sks of 16 ppg + fluid loss + super CBL + CaCl lead cement with bradenhead open
Pump 50 sks of 17 ppg + CaCl tail cement close bradenhead when pumping last 2 bbls
Displace within 0.5 bbl EOT
Sting out of retainer and reverse clean tubing
POOH with tubing
Rig down cement crew
Allow cement to set for 24 hours
Monitor Bradenhead Pressure

If Bradenhead pressure still exists call Jennifer for additional instruction
If Bradenhead pressure has been eliminated
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 2722 ft
Pressure test squeezed perfs to 3000 psi

If perfs pressure test continue to drill out composite plug

POOH with bit and scraper
PU BHA and tubing, RIH and land tubing
Turn well over to production

RDMO workover rig