



WPX Energy

Production Casing Remediation Procedure

Wellname: **KP 32-9**
Date: 10/15/2014
Field: Kokopelli

Prepared By: Kristin Trahan
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Purpose: Remediate to eliminate bradenhead pressure

Well Information:

API Number:	05-045-22217
Production Casing:	5-1/2" 17# I-80
Shoe Depth:	5,907 ft
Surface Casing Depth	997 ft
Top of Mesaverde:	1,748 ft
Top of Gas:	3,200 ft
Perforated Interval	5,964 - 3,409 ft
Correlate Log:	Halliburton Cast-M 8/30/14
Current TOC	2,920 ft
Max pressure:	2,500 psi

Proposed Procedure:

- 1 MIRU wireline
Run GR to 3,400 ft.
RIH with kill plug and set at 3,380 ft.
Pressure test plug to 3,000 psi
Perforate 4 squeeze holes as 1,876 ft
POOH with wireline
- 2 Pump injection test at .5bpm, 1 bpm and 2 bpm
Get ISIP, 5, 10 and 15 min shut in pressure
- 3 MIRU workover rig
PU retainer and tubing and RIH.
Set retainer at 1,776 ft (100 above perfs)
POOH
- 4 PU stinger and RIH
Sting into retainer
Pump injection test at .5 bpm, 1bpm and 2bpm
Get ISIP, 5, 10 and 15 min shut in pressure
- 5 MIRU HES Cement Crew.
Pump 100 **sx** of 16 lb/gal cement, Super CBL with bradenhead open
Pump 50 **sx** of 17 ppg cement. Close bradenhead last 2 bbls
Displace cement to 0.5 bbl EOT
Monitor Bradenhead Pressure
- 6 Sting out of retainer and pump last 0.5 bbl on top of retainer
Reverse clean tubing and POOH

Leave bradenhead shut in

- 7 Allow for 24 hrs cement set time.
Monitor Bradenhead Pressure
- 8 If bradenhead has been eliminated
RIH with bit and 2 3/8" tubing.
Drill out cement and cement retainer to kill plug
Pressure test perfs to 2000 psi
Monitor Bradenhead Pressure
- 9 MIRU wireline and run CBL from kill plug to 1,000 ft
Send to Kristin and note new TOC
- 10 Continue clean out operations
Drill out kill plug
Drill out frac plugs
Clean out well to bottom
Land tubing and turn well over to flowback