



WPX Energy

Production Casing Remediation Procedure

Wellname: **GM 743-4**
Date: 5/19/2015
Field: Grand Valley
Legals: Sec. 4-T7S-96W

Prepared By: Kristin Trahan
Cell phone: 303-482-7901

Purpose: Run 5 1/2" casing patch and prep for frac

Well Information:

API Number:	05-045-20912
Production Casing:	5-1/2" 20# P-110
Shoe Depth:	11,435 ft
Surface Casing Depth	2,312 ft
Top of Mesaverde:	3,783 ft
Top of Gas:	4,915 ft
Correlate Log:	Schlumberger Platform Express - 10/5/2011
Niobrara 1 perfs	10,946'-10,705'
Niobrara 2 perfs	10,626'-10,400'
Max pressure:	8,500 psi

Well History:

- We have completed the Niobrara 1 & Niobrara 2 stages prior to this remediation
- Current TOC is at 6,715 ft. Current Top Perf is at 10,400 ft.
- Hole in casing at 6,525'
- RBP at 10,194'
- RBP at 10,295'
- Possible hole in tubing at 6,528'

Proposed Procedure:

- 1 PU string mill or watermelon mill with 4.75" OD and RIH from 6,600'-6,500'
POOH
- 2 MIRU wireline and run 40 arm caliper log from 6,600'-6,500'
POOH and RD wireline
- 3 Circulate well with clean fluid in preparation to run casing patch
- 4 Run ENVENTURE 5.5"x 4.25" 20# Eseal Liner System over squeeze perfs per ENVENTURE procedure
- 5 Once the liner (patch) has been completely expanded, pressure test the expandable liner (patch) to 8500 psi or per r
- 6 POOH and lay down expansion assembly
- 7 Make up drill out assembly and RIH.
- 8 Drill out float shoe. Circulate hole clean to remove any debris from hole
Drill out CBP at 6,800' and clean out well down to CIBP at 10,300'
- 9 Prep well to DFIT and Frac Mancos B1