



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
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Purpose: Remediate Low TOC from primary job / Vent Bradenhead gas

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
Niobrara 1 perms	10,946'-10,705'
Niobrara 2 perms	10,626'-10,400'
Correlate Log:	Schlumberger Platform Express - 10/5/2011
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.
- RBP at 10,194'
- RBP at 10,295'
- Possible hole in tubing at 6,528'

Proposed Procedure:

- 1 MIRU workover rig
POOH with tubing (EOT @ 10,089, 312 joints)
- 2 RIH and latch onto RBP at 10,194'
Release plug and POOH
- 3 RIH and latch onto RBP at 10,295"
Release plug and POOH
Download data and send to Kristin Trahan and Autumn Shannon
kristin.trahan@wpxenergy.com
autumn.shannon@wpxenergy.com
- 4 MIRU wireline and RIH with 5 1/2" 10k CIBP
Set at 10,300' over existing HN2 perms
Dump bail 4 sacks of cement on top of plug
POOH with wireline. WOC
- 5 PU packer and RIH. Set packer at 7,000'
Pressure test plug to 8,500 psi
Unset packer and POOH with tubing
- 6 PU CBP and RIH
Set at 6,800'. POOH with tubing
- 7 PU Packer and RIH
Set packer at 6,700
Pressure test plug to 3,000 psi
Release packer and set at 6,450'
Pump injection test at 1, 1.5 and 2 bpm
Get ISIP, 5, 10, 15 min shut down pressures
Send to Kristin
- 8 Release packer and POOH
- 9 PU cement retainer and RIH
Set retainer at 6,475'
- 10 MIRU cement crew
Sting into retainer and pump small injection test to ensure retainer is open
Pump 400 sacks of 15.8ppg Neat G cement with fluid loss and Super CBL
Pump 50 sacks of 17 ppg Neat G tail cement
Displace to 0.5 bbls EOT
Sting out of the retainer and pump last 0.5 bbl on top of retainer
Reverse clean tubing
POOH with tubing
WOC
- 11 MIRU wireline