

Exploration and Production Well Patch Procedure

Revision Date:
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Wellname **PA 34-24** Prepared By: Jason Bundick
 Location office phone: 832-726-1182
 Field **Grand Valley** cell phone: 817-648-6133
 County **Garfield, CO**
 API **05-045-23776**

Location	Longitude	Latitude	X-Coord	Y-Coord
Surface	-107.9367177	39.5070140	2312547.2	1618778.7
Bottom Hole	-107.9449775	39.5064212	2310211.6	1618625.5
Landing	0.0000000	0.0000000	0.0	0.0

Casing: 9-5/8" 32.3# - 1,177'-ft
 4-1/2" 11.6#, P-110, - 8,993'-ft

Current Top of Cement:

Purpose: Patch Leaking Casing

Zone:	All Perforations		
Existing Perforations:	<u>Depth</u>	<u>Holes</u>	
Existing Hole	1,584'	NA	
<p>Proposed Procedure</p> <ol style="list-style-type: none"> 1 Run 40 arm caliper log 2 Set 30' Owen X-Span Internal casing patch to cover collar at 1,584' 3 nipple up frac stack and psi test to 7,200 psi for 30 mins 4 Frac well as per designed 5 Run tubing to 1,629' prep to pump balance plug 6 Pump 25 sks 15.8 PPG Class G Cement balance plug to 1,629' 7 Squeeze cement to max psi of 2,500 psi 8 Shut well in for 24 hrs 9 Drilled out 330' of cement 10 Psi test casing to 500 psi for 15 mins 11 Drill out all frac plugs 12 Turn well over to flowback 			