

Exploration and Production

Well Patch Procedure

Revision Date:
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Wellname **PA 34-24** Prepared By: Jason Bundick
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 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: Depth Holes

Existing Hole	1,584'	NA
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Proposed Procedure

- 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