

Drieth 1A-6H-A368 2015-01-07 (E135)

History

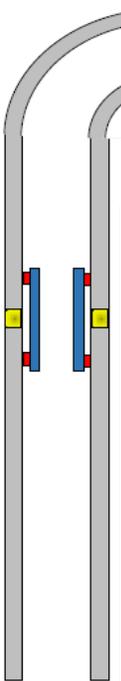
- Toe valve opened, re-shot above to increase frac injection rate at toe
- Stick plug 2 at 7,128 ft, drill with CT 3.625" mill 24 minutes
 - Tag at 9,752 ft and mill suspected collar for 30 minutes
 - 3.60" Tapered mill tag 9,746 ft mill for 2.5 hr
- Camera run, identify potential hole at 9,703 ft from marks on casing wall
- Frac stages 3-5 with no issue
- Run CFP 5, can't get past hole
- Diagnose with camera, confirm hole @ 9,704 ft
- 1,236 ft of unstimulated reservoir below hole

Casing Patch Details

- Expandable liner casing patch
- Installation date = 13feb15
- Depth = 9644-9730 ft (86 ft)

Current Status

- Casing patch installation complete
- Fracs below patch complete (PnP), frac work above patch in progress (PnP)

Company:		Encana				
Lease Name:		Drieth				
Well Number:		1A-6H-I368				
Mohawk Job #:		MB-0225-3				
County, State:		Weld, CO				
Depth [MD]	Drawing	Stage #	Description	OD [in]	ID [in]	Length [ft]
KOP: 6500			Solution: Installed one 3-1/2" x 4-1/2" MetalPatch expandable liner to cover a hole in the 4-1/2", 13.5# casing and allow the well to be stimulated.	Pre-expanded Liner		
				3.5	2.992	88.70
				MetalPatch Liner (BOL to TOL)		
				9,730	-	9,644
				MetalPatch Expanded Length		
				86 ft		
				Post-expanded Properties		
				Max OD:	3.797	in
				Liner OD:	3.737	in
				ID:	3.259	in
				Drift:	3.199	in
				Burst:	10,368	psi
				Collapse:	5,768	psi
TOL: 9,644			Top of Liner	3.737	3.259	---
Problem: 9,703			Upper seal joint set in 4-1/2", 13.5# liner	3.920	3.259	0.85
			Lower seal joint set in 4-1/2", 13.5# liner	3.920	3.259	2.03
BOL: 9,730			Bottom of Liner	3.737	3.259	---