

COUGHLIN RED VV 22-1

Existing Features	
KB	11

Surface csg shoe at	800
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Bottom of Foxhills (FHM)	1340
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TOC (CBL)	4070
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Sussex Top	4580
Producing Sussex w/in 1 mile	
BOC (CBL)	4700

TOC (CBL)	4750
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Shannon Base	AB
Not producing Shannon w/in 1 mile	
Squeeze perfs	4975

BOC (CBL)	5100
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TOC (CBL)	6598
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Niobrara Top	7202
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Codell	7562
Perf Top	7564
Perf Bottom	7588

PBMD	7733
3 1/2" 9.3# CSG	7740

Proposed Additions for P&A	
80	CIBP 8 5/8" 24#

600	Top of cement
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Cement Blend: Type III w/cello flake and CaCl₂ as necessary, mixed at 14.8 ppg and 1.33 cuft/sk.

1440	Casing stub
1540	Bottom of cement

4380	TOC
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Cement Blend: "G" w/ 0.4% CD-32, 0.4% ASA-301, mixed at 15.8 ppg and 1.15 cuft/sk.

5150	BOC
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6800	TOC
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Cement Blend: "G" w/silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time. Mix at 15.8 ppg and 1.38 cuft/sk.

7510	CIBP 3 1/2" 9.3#
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API#	05-123-16665			
Wins:	H6124			
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casing	8 5/8" 24#	877	0.0637	0.3576
Production Casing	3 1/2" (9.3#)	7770	0.0087	0.0488
Tubing Size	2 1/16" (3.25)	7541	0.0030	0.01672
Hole Size (TOP)	10	N/A	0.0971	0.5454
Annulus (TOP)	10	N/A	0.0852	0.4786
Annulus (SU/SH)	N/A	N/A	N/A	N/A
Hole Size (NB)	N/A	N/A	N/A	N/A

Cement Calculations				
Section	Volume	Cement	Excess	
Open Hole	488.69	367.44	40%	Top Plug 10 in. OH (Caliper on file)
Surface casing	71.52	53.77		
Annulus	67.00	50.38		
FX Total	627.22	471.59	480	638
Open Hole				40
Production casing	37.5991	32.69487		
SX Total	37.60	32.69487	35	
Open Hole				41
Production	34.67	25.12		
NB Total	34.67	25.12	30	

Cement Yield	1.33	1.15	1.38
	FX	SX/SH	NB

Legend	
	Existing cement with CBL
	New cement
	Assumed cement w/ no CBL
	Cast Iron Cement Retainer
	Cast Iron Bridge Plug
	Mud
	Water + Biocide
	DV Tool