

RUSCH 34-15 - Proposed WBD

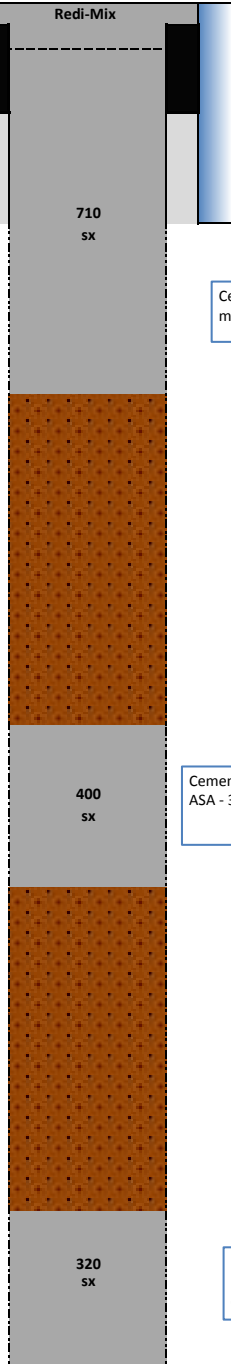
Existing Features	
KB	10
8-5/8" Casing Part	68
8-5/8" Surface csg shoe at	200

Bottom of Foxhills (FHM)	788
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Sussex	Top	4020
	Base	4324
No sussex production w/in 1 mile radius		
Shannon		4676
No shannon production w/in 1 mile radius		

Nio Top	6825
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TD	7106
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Proposed Additions for P&A	
30	Redi-Mix to surface
70	New 8-5/8" Casign Patch
100	New 12" wash pipe cemente

Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.8 ppg and 1.33 cuft/sk.

1000	Bottom of cement
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3800	Top of cement
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Cement Blend: "G" w/ 0.25 pps cello flake , 0.4% CD-32, 0.4% ASA - 301, mixed at 15.8 ppg and 1.15 cuft/sk

4220	Bottom of cement
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6400	Top of cement
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NB Cement Blend: "G" w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time mixed at 15.8 ppg and 1.38 cuft/sk.

7106	Bottom of cement
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API# 0512310152				
Well: RUSCH 34-15				
Equipment	Specs.	Depth	(bbl/ft)	ft ³ /ft
Surface	8 5/8"	164		0.3575
EA Hole	7 7/8	7507	0.0602	0.3382
WHSS Hole	7 7/8	425	0.0602	0.3382
9-5/8 Csg	9-5/8"		0.0766	0.4305
Hole Size	9		0.0787	0.4418
Hole Size	11.5		0.1285	0.7213
Hole Size	12		0.1399	0.7854

Cement Yield	1.33	1.15	1.71	1.38
	Top Plug	SX/SH	NB/Cd Squeeze	NB/Cd in pipe

Cement Calculations				
Section	Volume cu-ft	Cement Sacks	Excess	Top Plug
Top Plug	940.42	707.08	40%	12" Assumed
Total Top Plug	940	707	710	
944.3				

openhole	462	402	40%	SX/ SH Plug
Total	462	402	400	13" Caliper
460				

Legend	
	New cement
	Existing cement with CBL
	assumed cement w/ no CBL
	cast iron cement retainer
	cast iron bridge plug
	mud
	Water

	cu-ft	sacks		
NB/CD OH	437	316	40%	Assume 9" hole
Total	437	316	320	NB/CD Plug