

# Schmidt, Paul GU B2 (73670)

Existing Features	
KB	13

Surface csg shoe at	235
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Squeeze Holes	425
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Top of cement & Squeeze Holes	625
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Cement Stage Tool	721
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Bottom of cement	724
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Bottom of Foxhills	1252
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Sussex	Top	4394
	No Perfs	

Shannon	Bottom	N/A
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TOC Cement existing	7000
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Geologic Top		7114
Niobrara	Perf Top	None
	Perf Bottom	

Geologic Top		7393
Codell	Perf Top	None
	Perf Bottom	

Geologic Top		7844
J SAND	Perf Top	7860
	Perf Bottom	7890

PBMD	7963
4-1/2" CSG 10.5# and 11.6#	8011

## Proposed Additions for P&A

100	CIBP (8-5/8")
100	TOC

600	Casing Stub
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Cement Blend: Type III w/ cello flake and CaCl<sub>2</sub>, mixed at 14.0 ppg and 1.53 cuft/sk. with 20% excess and 10" hole size.

750	Top Squeeze Perf
780	CICR ( 4-1/2")

1450	Bottom Squeeze Perf
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4200	Top Squeeze Perf
4230	CICR ( 4-1/2")

4600	Bottom Squeeze Perf
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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, with 20% excess used and considering hole size of 10".

6750	Top Squeeze Perf
6780	CICR ( 4-1/2")

6950	Bottom Squeeze Perf
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Cement Blend: 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cuft/ sk yield. with 20% excess used and considering hole size of 10"

7800	CIBP (4-1/2")
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API# 0512310186				
Well: Schmidt, Paul GU B2				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft <sup>3</sup> /ft
Surface Casing	8 5/8" 24#	235	0.0637	0.3576
Production Casing	4-1/2" 11.6#	8011	0.0155	0.0873
Tubing String	2-3/8"	7819	N/A	N/A
Hole Size	10"		0.0971	0.5454

Cement Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
S/C hole	48.28	31.55		10" hole
P/C annular hole	238.89	156.13	20% excess	
P/C hole	13.10	8.56		
Total Top Plug	300.26	164.69	170	

Cement Calculations				
Section	Volume	Cement Sacks	approximate	FX HILLS PLUG
P/C annular hole	384.80	251.51	20% excess	10" hole
P/C hole	61.11	39.94		
Total Top Plug	445.91	291.45	300	

In Hole	219.89	191.21		SX/ SH Plug
In pipe	34.92	30.37		
Total		221.57	230	

NB/CD Annular	109.94	64.29		NB/CD Plug
NB/CD Csg.	17.46	10.21		
Total		74.51	80	

Cement Yield	1.53	1.15	1.71	1.38
Top Plug		SX/SH	NB/Cd Squeeze	NB/Cd in pipe

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