

# WILLIAM GEE E GU 1

Existing Features	
KB	15

Surface csg shoe	212
Est. TOC Behind 4 1/2" pipe	215
Casing Leak	548-563
DV Tool /Est. BOC	575

Bottom of Foxhills	1100
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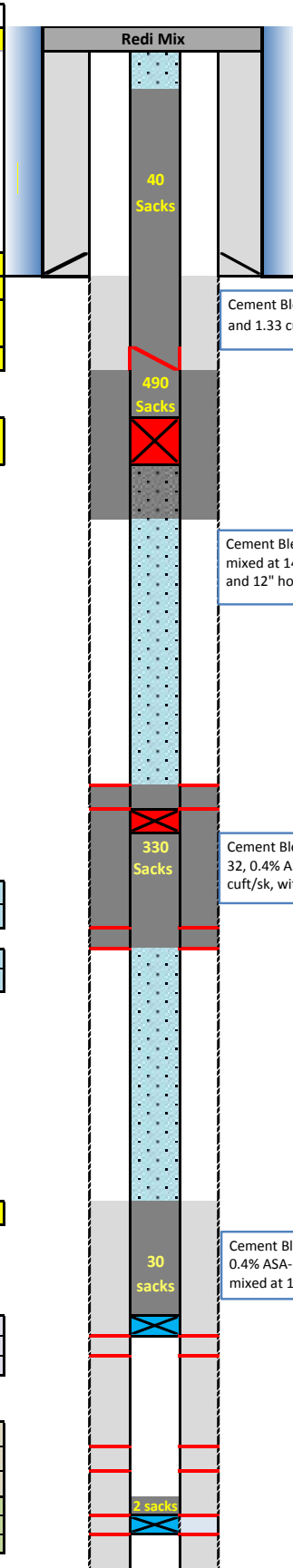
Sussex	Top	4412
No Perfs		

Shannon	Bottom	4944
SH non productive/ absent		

Est. TOC Cement existing	6750
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Geologic Top		7104
Niobrara	Perf Top	7178
Niobrara	Perf Top	7182

Geologic Top		7388
Codell	Perf Top	7388
	Perf Bottom	7394
Geologic Top		7839
JSND	Perf Top	7839
	Perf Bottom	7869



Proposed Additions for P&A		API# 0512308409				
		Well:	WILLIAM GEE E UNIT 1			
		Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft <sup>3</sup> /ft
100	TOC	Surface Casing	8 5/8" 24#	212	0.0637	0.3576
		Production Casing	4.50 11.6#	7964	0.0149	0.0873
		Tubing String	2 3/8" 4.7# J55	7816	N/A	N/A
		Hole Size	9"		0.0787	0.4418
		Hole Size	11"		0.1175	0.66
		Hole Size	12"		0.1399	0.7854

Cement Blend: Type III and CaCl<sub>2</sub>, mixed at 14.8ppg and 1.33 cuft/sk. with 20% excess.

600	Top Squeeze Perf
630	CICR
1300	Bottom Squeeze Perf

Cement Blend: Type III w/ celloflake and CaCl<sub>2</sub>, mixed at 14.8ppg and 1.33 cuft/sk. with 20% excess and 12" hole size.

Cement Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
In Pipe	46.27	34.79		
Total Top Plug	46.27	34.79	40	
Section	Volume	Cement Sacks	approximate	Fox Hills Plug
In Hole	586.40	440.91	20% excess	
In Pipe	61.11	45.95		12" hole
Total Top Plug	647.51	486.85	490	

In Hole	335.09	291.38		SX/ SH
In pipe	34.92	30.37		12" HOLE
Total	370.01	321.75	330	

NB/CD Annular				NB/CD in pipe Plug
NB/CD Csg.	32.30	23.41		
Total		23.41	30	

4200	Top Squeeze Perf
4230	CICR

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 12" hole size and 20% excess

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

4600	Bottom of cement
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Legend	
	Existing cement with CBL
	assumed cement w/ no CBL
	cast iron cement retainer
	cast iron bridge plug
	Water + biocide
	DV TOOL

6750	Top of in pipe cement
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Cement Blend: "G" w/ 20% silica flour, 0.4% Cd-32, 0.4% ASA-301 and R-3 to acheive 2:30 pump time mixed at 15.8 ppg and 1.15 cuft/sk

7120	CIBP 4 1/2" 11.6#
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7780	CIBP 4 1/2" 11.6#
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PBMD	7913
4-1/2" CSG 10.5#	7965

