

## FELDMAN 1-36 (75506)

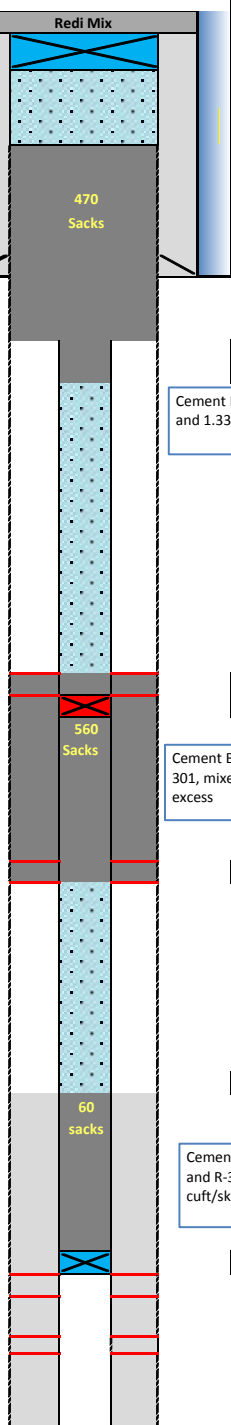
Existing Features	
KB	10
Surface csg shoe at	446
Bottom of Foxhills	830

Top	4189
Sussex	No Perfs
Shannon	Bottom
SX/SH production w/in 1 mile radius	

TOC Cement existing	6154
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Geologic Top	7059
Niobrara	Perf Top
	Perf Bottom
Geologic Top	7288
Codell	Perf Top
	Perf Bottom

PBMD	7395
4-1/2" CSG 11.6#	7425



Proposed Additions for P&A	
80	CIBP (8-5/8")

250	TOC
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1030	Casing Stub
1130	Bottom of Cement

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

3990	Top Squeeze Perf
4020	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 10" hole size and 20% excess

5000	Bottom of cement
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6150	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

7010	CIBP 4 1/2" 11.6#
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API# 0512316750				
Well: FELDMAN 1-36				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft <sup>3</sup> /ft
Surface Casing	8 5/8" 23#	446	0.0637	0.3576
Production Casing	4.50 11.6#	7425	0.0155	0.0873
Tubing String	2 3/8" 4.7# J55	7255	N/A	N/A
Hole Size	9"		0.0787	0.4418
Hole Size	10"		0.0971	0.5454
Hole Size	12"		0.1399	0.7854

Cement Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
S/C hole	70.09	52.70		12" hole
Open Hole	550.41	413.84	20% excess	
P/C hole	8.73	6.56		
Total Top Plug	629.23	466.54	470	

In Hole	555.22	482.80		SX/ SH Plug 10 " HOLE
In pipe	88.17	76.67		
Total	643.39	559.47	560	

NB/CD Annular				NB/CD in pipe Plug
NB/CD Csg.	75.08	54.40		
Total		54.40	60	

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

Legend	
	Existing cement with CBL
	assumed cement w/ no CBL
	cast iron cement retainer
	cast iron bridge plug
	Water + biocide