

SEKICH FARMS 10-18 (74161)

Existing Features		
KB	10	

Surface csg shoe at	565
Bottom of Foxhills	662

Sussex	Top	3958
	No Perfs	

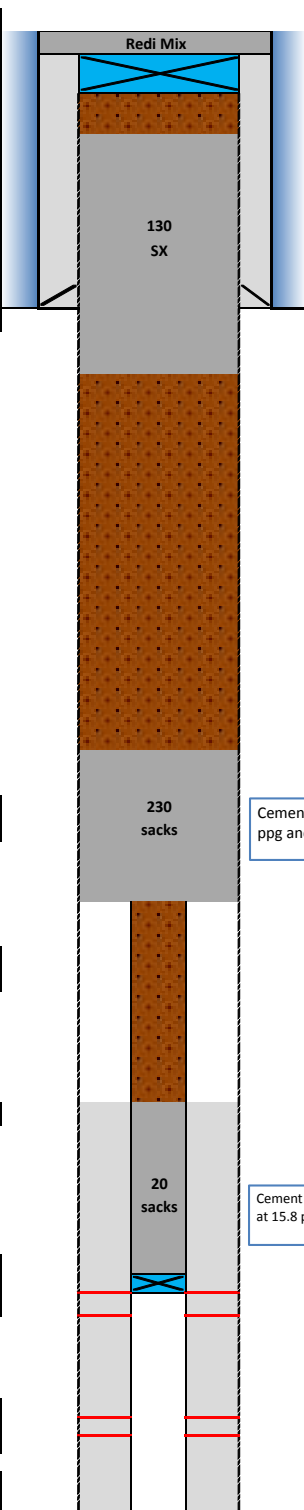
Shannon	Bottom	4619
No shannon production w/in 1 mile radius		

TOC Cement existing	6224
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Geologic Top		6880
Niobrara	Perf Top	6939
	Perf Bottom	6942

Geologic Top		7143
Codell	Perf Top	7150
	Perf Bottom	7160

PBMD	7222
2-7/8" CSG (6.5#)	7295



Proposed Additions for P&A

100	CIBP (8-5/8")
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360	TOC
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Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.0 ppg and 1.53 cuft/sk. with 20% excess and 8" hole size.

860	Bottom of cement
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3750	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, with 20% excess used and considering hole size of 8".

4355	Casing Stub
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6220	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

6880	CIBP 2-7/8"
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API# 0512318009				
Well: SEKICH FARMS 10-18				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casing	8 5/8" 24#	565	0.0637	0.3576
Production Casing	2-7/8" (6.5#)	7295	0.005794	0.0325
Tubing String	1-1/4"	7110	N/A	N/A
Hole Size	8"		0.0622	0.3491
Hole Size	10"		0.0971	0.5454

Cement Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
S/C hole	73.31	47.91		10" hole
Open Hole	123.58	80.77	20% excess	
P/C hole				
Total Top Plug	196.89	128.69	130	

In Hole	253.45	220.39		SX/ SH Plug
In pipe	-1378.79	-1198.95		
Total		-978.56	230	

NB/CD Annular				NB/CD Plug
NB/CD Csg.	21.45	15.54		
Total		15.54	20	

Cement Yield	1.53	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
	mud