

PREMIUM TURKEY FARMS (74495)

Existing Features	
KB	15
Surface csg shoe at	657
Bottom of Foxhills	1230

Sussex	Top	4150
	No Perfs	
Shannon	Bottom	4700
SX/SH production w/in 1 mile radius		

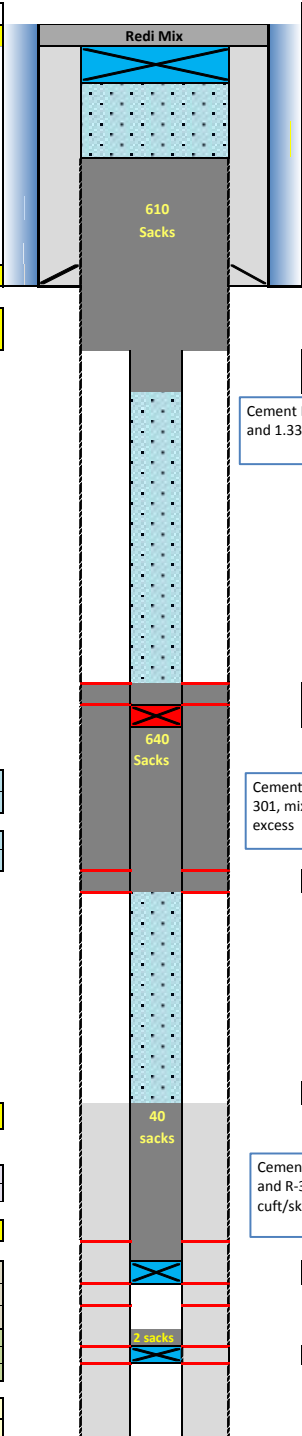
TOC Cement existing	7040
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Geologic Top	7350
Niobrara	NO PERFS

Cement Squeeze Perf	7495
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Geologic Top		7600
Codell	Perf Top	7628
	Perf Bottom	7648
Geologic Top		8064
JSND	Perf Top	8078
	Perf Bottom	8112

PBMD	8171
4-1/2" CSG 10.5#	8268



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

450	TOC
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1430	Casing Stub
1530	Bottom of Cement

Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.8ppg and 1.33 cuft/sk. with 20% excess and 12" hole size.

3950	Top Squeeze Perf
3980	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 11" hole size and 20% excess

4900	Bottom of cement
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7000	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

7560	CIBP 4 1/2" 10.5#
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8020	CIBP 4 1/2" 10.5#
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API# 0512307742				
Well: PREMIUM TURKEY FARMS (74495)				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casing	8 5/8" 23#	657	0.0637	0.3576
Production Casing	4.50 10.5#	8268	0.0159	0.0895
Tubing String	2 3/8" 4.7# J55	8056	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 Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
S/C hole	74.02	55.66		12" hole
Open Hole	728.54	547.77	20% excess	
P/C hole	8.95	6.73		
Total Top Plug	811.51	603.43	610	

In Hole	650.37	565.54		SX/ SH Plug
In pipe	85.03	73.93		11 " HOLE
Total		639.47	640	

NB/CD Annular				NB/CD in pipe Plug
NB/CD Csg.	50.12	36.32		
Total		36.32	40	

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