

SEKICH FARMS 9-18 (74162)

Existing Features		
KB	14	

Surface csg shoe at	567
Bottom of Foxhills	688

Sussex	Top	4032
	No Perfs	

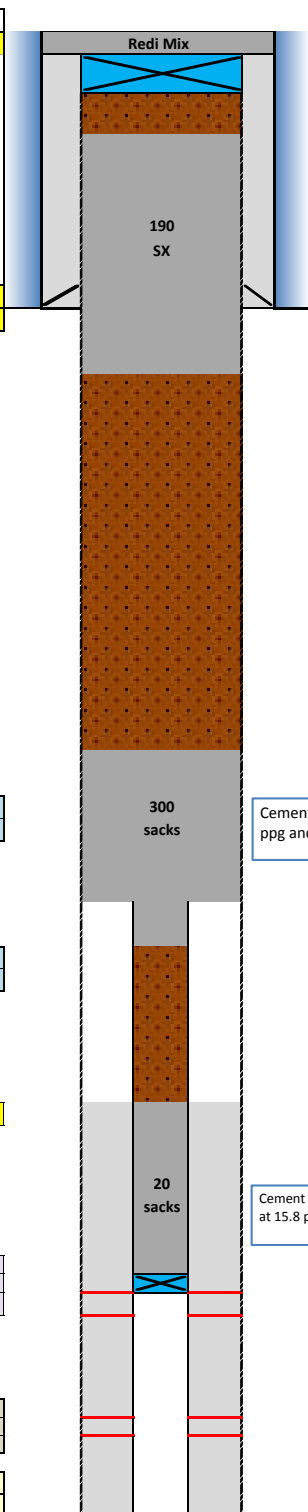
Shannon	Bottom	4582
No shannon production w/in 1 mile radius		

TOC Cement existing	6110
---------------------	------

Geologic Top		6888
Niobrara	Perf Top	6952
	Perf Bottom	6955

Geologic Top		7158
Codell	Perf Top	7162
	Perf Bottom	7172

PBMD	7273
2-7/8" CSG (6.5#)	7300



Proposed Additions for P&A

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

360	TOC
-----	-----

Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.0 ppg and 1.53 cuft/sk. with 20% excess and 10" hole size.

880	Bottom of cement
-----	------------------

3830	Top of cement
------	---------------

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 9".

4430	Casing Stub
------	-------------

6110	Top of in pipe cement
------	-----------------------

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

6900	CIBP 2-7/8"
------	-------------

API# 0512318010				
Well: SEKICH FARMS 9-18				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casing	8 5/8" 24#	567	0.0637	0.3576
Production Casing	2-7/8" (6.5#)	7300	0.005794	0.0325
Tubing Strina	1-1/4"	7130	N/A	N/A
Hole Size	9"		0.0787	0.4418
Hole Size	10"		0.0971	0.5454

Cement Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
S/C hole	74.02	48.38		10" hole
Open Hole	204.85	133.89	20% excess	
P/C hole				
Total Top Plug	278.88	182.27	190	

In Hole	318.10	276.61		SX/ SH Plug
In pipe	-1813.20	-1576.69		
Total		-1300.09	300	

NB/CD Annular				NB/CD Plug
NB/CD Csg.	25.68	18.61		
Total		18.61	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