

HSR Sekich 4-19 (74265)

Existing Features	
KB	10

Surface csg shoe at	637
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Bottom of Foxhills	717
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TOC Existing Cement	3602
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Sussex	Top	4016
	No Perfs	

Shannon	Bottom	4619
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BOC Existing	4710
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TOC Cement existing	6400
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6540	Top of in pipe cement
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6940	Existing CIBP
Geologic Top	6955
Niobrara	

Geologic Top	7216
Codell	

BOC Cement existing	7373
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PBMD	7820
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Proposed Additions for P&A

100	CIBP w/ redi mix
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437	TOC
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820	Casing Stub
920	Bottom of cement

3810	Top of in pipe cmt
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4670	Bottom of in pipe cmt
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Cement Blend: Type III + 0.2 % SPC 02 ; Density 14.2 ppg , Water Requirement = 7.32 gal/sk ; Yield = 1.46 cuft/sk ; Thickening Time = 2:49 at 80 F

Cement Blend: 1:2:3 'Poz:III: Gel' + 3% (BWOW) KCl +1% SMS +0.4% CR-4 +0.2% SPC-2 + 2lb/sk PS Flake ; Density = 12.5 ppg, Water Requirement = 10.52 gal/sk, Yield = 1.93 cuft/sk, Thickening Time = 3:12 at 160 F

API# 0512318716				
Well: HSR Sekich 4-19				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casing	8 5/8" 24#	637	0.0637	0.3576
Production Casing	3 1/2" 7.7#	7364	0.009141	0.0513
Tubing Strina	2-1/16"	6000	N/A	N/A
Surface Hole Size	12"		0.1399	0.7854

Cement Calculations				
Section	Volume	Cement Sacks	approximate	Top Plug
S/C hole	71.52	48.99		
P/C annular hole	172.47	118.13		
P/C hole	5.13	3.51		
Total Top Plug	249.12	170.63	175	

Sx/ Sh				SX/ SH Plug
In pipe	44.12	22.86		
Total		22.86	25	

Cement Yield	1.46	1.93	1.66	1.66
Top Plug		SX/SH	NB/Cd Squeeze	NB/Cd in pipe

Legend	
	cement with CBL
	new proposed cement
	assumed cement w/ no CBL
	cast iron cement retainer
	cast iron bridge plug
	mud

