

## NICK SEKICH UNIT B1 (02094)

Existing Features	
KB	10

Surface csg shoe at	226
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Bottom of Foxhills	750
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Sussex	Top	4040
Non Productive within 1 mile		

Shannon	Bottom	4680
Non Productive within 1 mile		

TOC Existing	6905
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Geologic Top		6940
Niobrara	Perf Top	NA
	Perf Bottom	NA

Geologic Top	NA
Codell	None

Geologic Top		7648
J SAND	Perf Top	7650
	Perf Bottom	7678

PBMD	7755
BOC Cement existing	7800
4-1/2" CSG. 11.6#	7800

### Proposed Additions for P&A

100	CIBP w/ redi mix
100	TOC

Cement Blend: Type III w/ cello flake and CaCl<sub>2</sub>, mixed at 14.0 ppg and 1.53 cuft/sk with 20% excess and 12" hole size.

850	Casing Stub
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950	Bottom of cement
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3840	Top Squeeze Perf
3870	CICR ( 4-1/2")

4240	Bottom Squeeze Perf
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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 and 10" hole size

6450	Top Squeeze Perf
6480	CICR ( 4-1/2")

6850	Bottom Squeeze Perf
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Cement Blend: 50/50 Poz "g" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cuft/sk. with 20% excess and 9" hole size.

7590	CIBP (4-1/2")
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API# 0512308240				
Well: NICK SEKICH UNIT B1 (02094)				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft <sup>3</sup> /ft
Surface Casing	8 5/8" 24#	226	0.0637	0.3576
Production Casing	4-1/2" 11.6#	8040	0.0155	0.0873
Tubing String	2-3/8"	7852	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	45.06	29.45		12" hole size
P/C annular hole	408.40	266.93	20% excess	
P/C hole	8.73	5.71		
Total Top Plug	462.18	302.08	310	

In Hole	219.89	191.21		SX/ SH Plug
In pipe	34.92	30.37	20% excess	10" hole size
Total		221.57	225	

NB/CD Annular	170.16	99.51	20% excess	NB/CD Plug
NB/CD Csg.	34.92	20.42		9" hole size
Total		119.93	120	

Cement Yield	1.53	1.15	1.71	1.38
	Top Plug	SX/SH	NB/Cd Squee	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