

BUSKER 11-28A

Existing Features	
KB	12

Surface csg shoe at	732
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Bottom of Foxhills (FHM)	1240
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TOC Cement existing (CBL)	4030
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Sussex	Top	4536
Sussex	Base	4750

Shannon	Bottom	5214
Shannon is productive		
BOC Cement existing (CBL)		5328

TOC Annulus existing (CBL)	6660
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Niobrara Geologic Top	7387
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J Sand	Perf Top	8116
	Perf Bottom	8134

CIBP w/ 2 sk cmt cap		8250
DAKOTA	Perf Top	8290
	Perf Bottom	8316

PBMD	8354
4-1/2" 11.6# CSG	8391

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Proposed Additions for P&A

80	CIBP (8-5/8")
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500	TOC
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Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.8 ppg and 1.33 cuft/sk. with 20%

1350	Casing Stub
1450	Bottom of cement

4300	Top of cement (tag)
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Cement Blend: "G" w/ 0.4% CD-32, 0.4% ASA - 301, mixed at 15.8 ppg and 1.15 cuft/sk

5400	Bottom of cement
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Cement Blend: "G" w/ 20% silica flour, 0.4% CD -32, 0.4% ASA -301 and R-3 to achieve 2:30 pump time mixed at 15.8 ppg and 1.38 cuft/sk

6950	TOC
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8050	CIBP
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NB 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 yield with 40% excess and 10" hole size.

API#	0512321051			
Well:	BUSKER 11-28A (74858)			
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casina	8 5/8" 24#	732	0.0637	0.3576
Production Casina	4.50 11.6#	8391	0.0155	0.0837
Casing Tubing Size				
Bit Size	7 7/8		0.0602	0.3382
Hole Size	9		0.0787	0.4418
Hole Size			0.0000	0.0000
Hole Size			0.0000	0.0000

Cement Calculations				
Section	Volume cu-ft	Cement Sacks	Excess	Top Plug
S/C hole	82.96	62.38		9" hole Caliper
Open Hole	327.63	246.34	20%	
P/C	1.67	1.26		
Total Top Plug	412.27	309.97	310	

412.3 cu-ft

In Hole				SX/ SH Plug
In pipe	92.07	80.06		
Total	92.07	80.06	80	

92.0 cu-ft

Cement Yield	1.33	1.15	1.71	1.38
	Top Plug	SX/SH	NB/Cd Squeeze	NB/Cd in pipe

NB plug	92.07	66.72		NB/CD Plug
Total	92.07	66.72	70	

96.6 cu-ft

Legend	
	Existing cement with CBL
	assumed cement w/ no CBL
	cast iron cement retainer
	cast iron bridge plug
	mud
	2% KCL Water