

MARCUS STATE W 36-3J (H6921)

Existing Features	
KB	10
Surface csg shoe at	1070
Bottom of Foxhills	1505

Proposed Additions for P&A	
80	CIBP (8-5/8")
870	TOC
1700	Casing Stub
1800	Bottom of Cement

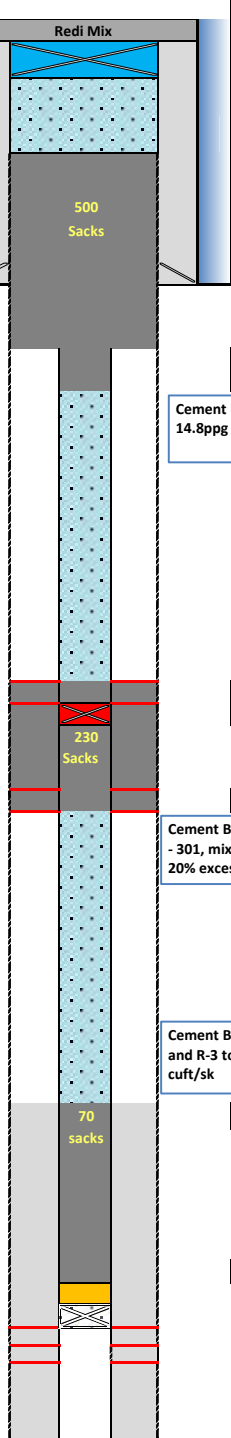
Surface csg shoe at	1070
Bottom of Foxhills	1505

Sussex	Top	4628
	No Perfs	
Shannon	Bottom	Absent
	SX productive / SH Absent	

TOC Cement existing	6916	
Geologic Top	7173	
Niobrara	Perf Top	NONE
	Perf Bottom	NONE

Sand on top of RBP	7879	
Existing RBP	7904	
Geologic Top	7940	
J SAND	Perf Top	7941
	Perf Bottom	7985

PBMD	8030
4-1/2" CSG 11.6#	8049



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.

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 10" hole size and 20% excess

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 1.15 cuft/sk

API# 0512322275				
Well: MARCUS STATE W 36-3J				
Equipment	Specs.	Depth	Capacity (bbl/ft)	Capacity ft ³ /ft
Surface Casing	8 5/8" 24#	1069	0.0637	0.3576
Production Casing	4.50 11.6#	8049	0.0155	0.0873
Tubing String	2 3/8" 4.7# J55	pulled out	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	71.52	53.77		12" hole
Open Hole	593.76	446.44	20% excess	
P/C hole	8.73	6.56		
Total Top Plug	674.01	500.21	500	

In Hole	219.89	191.21		SX/ SH Plug 10" HOLE
In pipe	34.92	30.37		
Total	254.81	221.57	230	

NB/CD Annular				NB/CD in pipe Plug
NB/CD Csg.	87.30	63.26		
Total		63.26	70	

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
	RBP
	SAND

6800	Top of in pipe cement
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7800	Bottom of cement
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