

Sundance Federal Well #2
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Tail Slurry: 290 sacks Class "C" with 2% CaCl₂
Expected Linear Fill: True Hole Volume-552.94 feet
Slurry Properties: Weight-12.8 ppg Yield-1.32 cu. ft./sack

Hole Size: 12 1/4" Total Depth: 4200' Casing Size: 8 5/8"
Setting Depth: 4200' Mud Weight: 10.0 ppg

★ 2000' Casing Design:

O.D.	Weight	Grade	Thread	Coupling	Interval	Length
8 5/8	24#	J-55	8R	ST & C	0- 4200' 2000'	4200' 2000'

Minimum Casing design Factors: Collapse 1370, Burst 2950,
Tensile Strength 3.81

3200' 8 5/8 32# J-55 8R ST+C 2000'-4200' Length 3200'
Cement Program: collapse 3450 Burst 3930 Tensile Strength 5.03

Lead Slurry: 721 sacks-3565 posC with 6% Bentonite
10% salt and NaCl

Calculated Linear Fill: True Hole Volume-3668.76 feet

Slurry Properties: Weight 12.7 ppg Yield 2.10 cu. ft./sack

Tail Slurry 200 sacks "Class C" with 2% CaCl₂

Calculated Linear Fill: True Hole Volume-639.68 feet

Slurry Properties: Weight 14.8 ppg Yield 1.32 cu. ft./sack

Hole Size: 7 7/8" Total Depth: 8200' Casing Size: 5 1/2"
Setting Depth: 8200' Mud Weight: 8.7 ppg

Casing Design:

O.D.	Weight	Grade	Thread	Coupling	Interval	Length
5 1/2"	17#	J-55	8R	LT & C	0-8200'	8200'

Minimum Casing Design Factors: Collapse 40.40, Burst 48.10,
Tensile Strength 2.48

Cement Program:

Lead Slurry: 556 sacks "Class H" with .3% Flack (Fluid Loss)
3% M117

Calculated Linear Fill: True Hole Volume-3785.8

A stage cementing collar will be used and placed at
approximately 5500'.

Slurry Properties: Weight-15.6 ppg Yield-1.18 cu. ft./sack

2nd Stage Lead Slurry: 127 sacks 3565 posC with 6% Bentonite,
10% NaCl

Calculated Linear Fill: True Hole Volume-1538.9 feet

Slurry Properties: Weight-12.7 ppg Yield-2.10 cu. ft./sack

Tail Slurry: 100 sacks "Class C"

Calculated Linear Fill: True Hole Volume-761 feet

Slurry Properties: Weight-14.8 ppg Yield-1.32 cu. ft./sack