#### CEMENT PROGRAM OUTLINE

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WELL NAME: Dee State No. 5

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LOCATION : 990' FSL & 990' FEL, Sec. 36, T-19S, R-24E, Eddy County

### Casing Program

Surface	9-5/8	_inch	in	14_3/4	hole	at	1200	ft.
Inter		inch	in		hole	at		ft.
Prod		_inch	in	8 3/4	hole	at	8100	ft.

### Cementing Program

Surface

Lead 800	s <b>xs</b>	Class	Thixad	Mixed	at <u>12.2</u>	_p <b>pg</b>
Additives	12# Cal	sonite				
Tail <u>1200</u> Additives		Class	С	Mixea	at <u>13.9</u>	ppg
Additives_	2% CaCl					

# Intermediate (first stage)

Lead	_sxs	Class	Mixed	at	ppg
Additives_					
Tail	SXS	Class	Mixed	at	ppg
Additives_					
Percent fre	e wat	er	Water	loss_	c <b>c</b>

(second stage)

Lead	_sxs	Class	Mixed	at	ppg
Additives_					
Tail	SXS	Class	Mixea	at	ppg
Additives_					
Percent fro	e wat	er	Water	loss	c <b>c</b>

## Production (first stage)

Lead Additives		C <b>lass_</b> & FLA a	"C"LiteMixed	at <u>12.4</u>	_p <b>pg</b>	
Tail_300_	sxs	Class_	<u>H</u> Mixed needed for z Water	at	ppg	
Additives	3% KC1 8	FLA as	needed for z	ero free	water and	250 cc
Percent fr	ee wate	r	Water	10 <b>55</b> _25	C <b>C</b>	

#### (second stage)

Lead 600	sxs	Class	'C"Lite	Mixed	at	ppg
Additives_	3% KC1	& FLA as	neede	d		
Tail 300 Additives	_sxs	Class_	H	Mixed	at	ppg
Additives	3% KC1	FLA as r	needed			
Percent fr	ee wat	er		Water	loss	cc