

WELL NAME: State A-2 No. 4

LOCATION : 1980' FSL & 1980' FEL, Sec.2, T-25S, R-37E

Casing Program

Surface	<u>13-3/8</u> inch in	<u>17-1/2</u> hole at	<u>330</u> ft.
Inter	<u>9-5/8</u> inch in	<u>12-1/2</u> hole at	<u>4600</u> ft.
Prod	<u>7</u> inch in	<u>8-3/4</u> hole at	<u>6900</u> ft.

Cementing Program

Surface

Lead	<u>370</u> sxs	Class <u>C</u>	Mixed at <u>14.8</u> ppg
Additives	<u>2% CaCl₂</u>		
Tail	<u> </u> sxs	Class <u> </u>	Mixed at <u> </u> ppg
Additives	<u> </u>		

Intermediate (first stage)

Lead	<u>885</u> sxs	Class <u>C Lite</u>	Mixed at <u>12.8</u> ppg
Additives	<u>5 pps salt</u>		
Tail	<u>350</u> sxs	Class <u>C</u>	Mixed at <u>14.8</u> ppg
Additives	<u>.8% FL-20 + .2% FWC-2</u>		
Percent free water	<u> </u>	Water loss	<u> </u> cc

(second stage)

Lead	<u> </u> sxs	Class <u> </u>	Mixed at <u> </u> ppg
Additives	<u> </u>		
Tail	<u> </u> sxs	Class <u> </u>	Mixed at <u> </u> ppg
Additives	<u> </u>		
Percent free water	<u> </u>	Water loss	<u> </u> cc

Production (first stage)

Lead	<u>60</u> sxs	Class <u>C</u>	Mixed at <u>12.7</u> ppg
Additives	<u>0.5% A-7 + .5% FL-20 + .1% FWC-2</u>		
Tail	<u>280</u> sxs	Class <u>H</u>	Mixed at <u>16.4</u> ppg
Additives	<u>0.1% CD-31 + 0.8% FL-20 + 0.3% FWC-2</u>		
Percent free water	<u> </u>	Water loss	<u> </u> cc

(second stage)

Lead	<u>370</u> sxs	Class <u>C</u>	Mixed at <u>12.7</u> ppg
Additives	<u>2% CaCl₂ + .6% FL-20 + .2% FWC-2 + 10% salt</u>		
Tail	<u>100</u> sxs	Class <u>C</u>	Mixed at <u>14.8</u> ppg
Additives	<u>1.5% CaCl₂ + .9% FL-20 + .2% FWC-2</u>		
Percent free water	<u> </u>	Water loss	<u> </u> cc