

SUPPLEMENTAL DRILLING DATA
POGO PRODUCING COMPANY
RED TANK 28 FEDERAL WELL NO. 3

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	800'
Delaware Lime	4600'
Cherry Canyon	5900'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaware	Oil
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4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
13-3/8"	0	800'	54.5#	J-55	STC
8-5/8"	0	1000'	32#	J-55	STC
"	1000'	2200'	24#	J-55	STC
"	2200'	4600'	32#	J-55	STC
5-1/2"	0	1000'	17#	N-80	LTC
"	1000'	6500'	17#	J-55	STC
"	6500'	9000'	17#	N-80	LTC

MINIMUM DESIGN FACTORS: Collapse 1.125 Burst: 1.1 TENSION 1.7

13-3/8" casing to be cemented with 500 sacks of Light followed by 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

8-5/8" casing to be cemented with 1200 sacks of Light cement with 10% salt followed by 200 sacks of Class "C" cement with 1% CaCl. Cement to circulate.

5-1/2" casing to be cemented with approximately 500 sacks of Light cement followed by 700 sacks of Class "H". If need for a stage tool is indicated, it will be positioned to best suit hole conditions at time casing is run. Cement to tie back to 3600 feet.

Cement may have lost circulation or other additives depending on hole