

CASING PROGRAM

Lease: Robinia Draw Unit
East Walker DrawWell No.: 1Production - Drill a 7 7/8" hole to 10,300'+ and set 5 1/2" casing.

AMOUNT	SIZE	PIPE REQUIREMENT		GRADE	CONNECTION
		WT./FT.			
1900'	5 1/2"	17.0		K-55	Buttress
6400'	5 1/2"	17.0		K-55	LT&C
2000'	5 1/2"	17.0		N-80	LT&C

CASING EQUIPMENT & PREPARATIONRun with insert float shoe and insert float collar with automatic fill tubes and 10 centralizers.Sandblast bottom 1000 feet and clean threads.

CEMENT PROGRAM

Stage No.	Type & Additive Composition	Sl. WT. #/gal.	Sl. VOL. ft. ³ /sx.	Water gal./sx.	Pump Time	24 hr. Comp. St. psi @ degrees
400	Class H 0.75% CFR-2 & 5# KCl	16.4	1.10	4.5	2:00	5500 @ 140°

Remarks: Precede cement with 500 gallons mud flush and mix the first 25
sx at 12#/gal to act as a scavenger slurry to remove hard filter cake.