

# ACTUAL P&A'D WELLBORE SCHEMATIC



DESCRIPTION	DEPTH	WELLBORE	DEPTH	
	KB GL			
	6093'		0	TOC Surface string
	6079'		40'	27 sx Class G in annulus
			60'	15 sx Class G in casing
			270'	TOC Production String (CBL)
			420'	6.2 bbl 9.5# kill fluid Approximate top of plug
Surface Casing 8 5/8" 24#			492'	20 sx Class G balanced plug
12 1/4" Hole			550'	
			3419'	68.2 bbl 9.5# kill fluid
			3800'	Approximate top of plug
			4003'	60 sx Class G balanced plug (35 sx squeezed into perfs)
			Not to scale	
Ft. Union Coal	3861	3943	48 holes	
Production Casing 5 1/2" 15.5#	J-55			
	PBTD FC TD			
	4199' 4209' 4256' 4269'			

WELL:	Kaline State #13		
LOCATION:	Sec 23-T12N-R94W		
COUNTY, STATE:	Moffat, CO		
API #:	05-081-07207		
Legal Description:	660' FNL & 660' FWL		
CLASSIFICATION:	CBM		
CURRENT STATUS:	Completion		
WI:	0.00%	SPUD:	2/15/2005
NRI:	0.00%	UPDATED:	2/2/2011
CUM PRODUCTION:	MBO	MMCF	MBOE
CURRENT PRODUCTION:	0 BOPD	0 BWPD	0 MCFD

CASING DATA						
TYPE	SIZE	WEIGHT	GRADE	TOP	BOTTOM	80% INTERNAL YIELD PSI
Surface	8 5/8"	24#	J-55	0	492'	
Intermediate	0	0	0	0	0	0
Liner	0	0	0	0	0	0
Production	5 1/2"	15.5#	J-55	0	4256'	3848

Cement Detail:	Type	Top	Bottom	Comments:
SURFACE CASING CEMENT				
Lead				
Tail				
PRODUCTION CASING CEMENT				
1st Stage				
2nd Stage				
3rd Stage				
Liner Casing Cement				

Tubing Detail:
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Well History  
02/15/05 Spud