



Company: US ROCKIES REGION  
Project: COLORADO-WELD-NAD83-UTM13

Site: HSR-RUTH CAMP 15-31  
Common Well Name: HSR-RUTH CAMP 15-31

API No: 0512318282      Datum: RKB      Section: 31      Div of Quarter Section: SW  
Latitude: 40.176494°      KB: 4,950.0usft      Township: 3      N      Div of Section: SE  
Longitude: -104.703962°      Ground: 4,940.0usft      Range: 65      W      MD BH: 7,458.0usft

Casing Information	Casing Depths	Schematic (12/3/2013)	Cement Depths	Cement Fluid (sacks)	Hole Depths	TVD / PBMD	Perforation Intervals (usft)
Casing, 8.625in, 24.00ppf	10.0usft	Hole Size 12.250 -----	10usft (TOC)	-NEAT ; LEAD ; 3% CACL2 1/4#/SK FLOCELE ; 520	10.0usft		
	743.0usft		743usft		761.0usft		
Casing, 2.875in, 6.50ppf	10.0usft	Hole Size 7.875 -----					
			6500usft (TOC)				
Float Collar, 2.875in,	7433.0us			-PREMIUM ; LEAD ; 35% SILICA ; 175			7,130 - 7,133 - NIOBRARA 7,323 - 7,327 - CODELL 7,324 - 7,326 - CODELL 7,327 - 7,328 - CODELL
Casing, 2.875in, 6.50ppf	7434.0us					TVD 7, 458usft, PBMD 7,	
Casing Shoe, 2.875in,	7465.0us					405usft	
	7466.0us		7466usft		7458.0usft		