



Cement

Well Name: GUTTERSEN USX CC17-12

Surface Casing Cement

API 05-123-24225	Quarter Quarter NWSW	Regulatory Field WATTENBERG	County/Parish WELD	State/Province COLORADO	Well Configuration Type DEV
Ground Elevation (ft) 4,680.00	Casing Flange Elevation (ft)	KB - GL / MSL (ftKB) 10	KB-Casing Flange Distance (ft)	Spud Date 4/17/2007	Rig Release Date

Cement Details

Description Surface Casing Cement	Cementing Start Date	Cementing End Date	Wellbore Name
Technical Result			
Comment			

Cement Stages

Stage # 1									
Description	Objective	Top (ftKB)	Bottom (ftKB) 493.0	Full Return?	Cmnt Rtrn (bbl)	Top Plug?	Bottom Plug?		
Q (start) (bbl/min)	Q (end) (bbl/min)	Q (avg) (bbl/min)	P (final) (psi)	P (bump) (psi)	Recip?	Stroke (ft)	Rotated?	Mix/Pump Cmt VI (...)	
Depth tagged (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)						
Comment									

Cement Fluids & Additives

Fluid						
Fluid Type Surface Cement	Fluid Description	Estimated Top (ftKB)	Estimated Bottom (ftKB)	Amount (sacks) 240	Class	Volume Pumped (bbl)
Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Free Water (%)	Density (lb/gal)	Plastic Viscosity (cp)	Thickening Time (hrs)	12 hr comp strg (psi)

Additives			
Additive	Type	Concentration	Conc Unit label