



Cement

Well Name: **Brown 2G-212**

Cement

Surface Casing Cement, Casing, 11/17/2012 08:00

Type Casing	String Surface, 923.0ftKB	Start Date 11/17/2012	Cementing End Date 11/17/2012	Wellbore Original Hole	Job Drilling - original, 11/16/2012 06:00	Cementing Company Cementers Energy	Cement Objective	Eval Method
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Cement Stages

Stg #	Description	Objective				Top Depth (ftKB)	Bottom Depth (ftKB)	Pump Start Date	Pump End Date	Top Plug?	Btm Plug?								
1	Surface Casing Cement					15.0	923.0	11/17/2012	11/17/2012	No	No								
Initial Pump Rate (bbl/min)		Final Pump Rate (bbl/min)		Avg Pump Rate (bbl/min)		Final Pump Pressure (psi)		Plug Bump Pressure (psi)		Pressure Held (psi)		Pressure Release Date		Full Return?		Vol Cement Ret (bbl)		Volume Lost (bbl)	
														No					
Recip?	Stroke (ft)	Recip Rate (...)	Rotat...	RPM (rpm)	Pipe Movement Note			MD Tagged (...)			Tag Method	Tag Wt (100...)	Prop...	Depth Plug...	Tag Cement Date	Drill Out Date	Drill Out Dia (...)		
No			No									No							

Cement Fluids

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Pump Start Date	Pump End Date	Class	Amount (sacks)	Mix H2O Ratio (gal/sack)	Yield (ft ³ /sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Lead	15.0	923.0	11/17/2012	11/17/2012	G	830		1.18	174.4		15.20

Intermediate Casing Cement, Casing, 11/21/2012 06:30

Type Casing	String Intermediate, 7,098.0ftKB	Start Date 11/21/2012	Cementing End Date 11/21/2012	Wellbore Original Hole	Job Drilling - original, 11/16/2012 06:00	Cementing Company Halliburton Energy Services	Cement Objective	Eval Method
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Cement Stages

Stg #	Description	Objective				Top Depth (ftKB)	Bottom Depth (ftKB)	Pump Start Date	Pump End Date	Top Plug?	Btm Plug?								
1	Intermediate Casing Cement					15.0	7,099.0	11/21/2012	11/21/2012	Yes	No								
Initial Pump Rate (bbl/min)		Final Pump Rate (bbl/min)		Avg Pump Rate (bbl/min)		Final Pump Pressure (psi)		Plug Bump Pressure (psi)		Pressure Held (psi)		Pressure Release Date		Full Return?		Vol Cement Ret (bbl)		Volume Lost (bbl)	
		8				2,000.0		1,803.0		0.0				Yes		3.0			
Recip?	Stroke (ft)	Recip Rate (...)	Rotat...	RPM (rpm)	Pipe Movement Note			MD Tagged (...)			Tag Method	Tag Wt (100...)	Prop...	Depth Plug...	Tag Cement Date	Drill Out Date	Drill Out Dia (...)		
No			No									No							

Cement Fluids

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Pump Start Date	Pump End Date	Class	Amount (sacks)	Mix H2O Ratio (gal/sack)	Yield (ft ³ /sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Lead	15.0	5,800.0			G	290		2.06			11.80
Tail	5,800.0	7,099.0			G	360		1.46			14.60