



Cement

Well Name: Becker Ranch 5U-243

Cement

Surface Casing Cement, Casing, 5/19/2015 15:45

Type Casing	String Surface, 902.0ftKB	Start Date 5/19/2015	Cementing End Date 5/19/2015	Wellbore Original Hole	Job Drilling - original, 5/18/2015 15:00	Cementing Company Cementers Well Service Inc	Cement Objective	Eval Method Returns to Surface
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Cement Stages

Stg # 1	Description Surface Casing Cement				Objective CEMENT SURFACE			Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 902.0	Pump Start Date 5/19/2015		Pump End Date 5/19/2015		Top Plug? Yes	Btm Plug? No							
Initial Pump Rate (bbl/min) 4		Final Pump Rate (bbl/min) 5		Avg Pump Rate (bbl/min) 5		Final Pump Pressure (psi) 350.0		Plug Bump Pressure (psi) 925.0		Pressure Held (psi) 925.0		Pressure Release Date 5/19/2015		Full Return? Yes	Vol Cement Ret (bbl) 5.0		Volume Lost (bbl) 0.0					
Recip? No	Stroke (ft)	Recip Rate (...)		Rotat... No	RPM (rpm)		Pipe Movement Note				MD Tagged (...)		Tag Method		Tag Wt (100...	Prop... No	Depth Plug...	Tag Cement Date		Drill Out Date		Drill Out Dia (...)

Cement Fluids

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Pump Start Date	Pump End Date	Class	Amount (sacks)	Mix H2O Ratio (gal/sack)	Yield (ft³/sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Tail	13.0	902.0	5/19/2015	5/19/2015	G	750	5.20	1.18	157.6	100.0	15.20

Intermediate Casing Cement, Casing, 5/22/2015 14:15

Type Casing	String Intermediate, 7,245.0ftKB	Start Date 5/22/2015	Cementing End Date 5/22/2015	Wellbore Original Hole	Job Drilling - original, 5/18/2015 15:00	Cementing Company Halliburton Energy Services	Cement Objective	Eval Method Returns to Surface
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Cement Stages

Stg # 1	Description Intermediate Casing Cement				Objective CEMENT 7"		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 7,245.0	Pump Start Date 5/22/2015		Pump End Date 5/22/2015		Top Plug? Yes	Btm Plug? No			
Initial Pump Rate (bbl/min) 4		Final Pump Rate (bbl/min) 5		Avg Pump Rate (bbl/min) 6		Final Pump Pressure (psi) 2,300.0	Plug Bump Pressure (psi) 2,656.0		Pressure Held (psi) 2,656.0		Pressure Release Date 5/22/2015		Full Return? Yes	Vol Cement Ret (bbl) 2.0	Volume Lost (bbl) 0.0		
Recip? No	Stroke (ft)	Recip Rate (...)	Rotat... No	RPM (rpm)	Pipe Movement Note			MD Tagged (...)		Tag Method		Tag Wt (100...	Prop... No	Depth Plug...	Tag Cement Date	Drill Out Date	Drill Out Dia (...)

Cement Fluids

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Pump Start Date	Pump End Date	Class	Amount (sacks)	Mix H2O Ratio (gal/sack)	Yield (ft³/sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Tail	13.0	7,245.0	5/22/2015	5/22/2015	ELASTICEM	786	7.09	1.60	224.0	15.0	13.80