



Cement

Well Name: Becker Ranch 5E-403

Cement

Surface Casing Cement, Casing, 5/26/2015 08:00

Type Casing	String Surface, 925.0ftKB	Start Date 5/26/2015	Cementing End Date 5/26/2015	Wellbore Original Hole	Job Drilling - original, 5/23/2015 06:00	Cementing Company Cementers Energy	Cement Objective ISOLATION	Eval Method Returns to Surface
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Cement Stages

Stg # 1	Description Surface Casing Cement					Objective ISOLATION		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 925.0	Pump Start Date 5/26/2015		Pump End Date 5/26/2015		Top Plug? No	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) 850.0		Pressure Held (psi) 5/26/2015		Pressure Release Date 5/26/2015		Full Return? No	Vol Cement Ret (bbl) 7.0		Volume Lost (bbl)	
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	925.0	5/26/2015	5/26/2015	G	760	15.20	1.18	159.7		15.20

Intermediate Casing Cement, Casing, 5/30/2015 03:30

Type Casing	String Intermediate, 7,438.0ftKB	Start Date 5/30/2015	Cementing End Date 5/30/2015	Wellbore Original Hole	Job Drilling - original, 5/23/2015 06:00	Cementing Company Sanjel (USA) Inc	Cement Objective ISOLATION	Eval Method Returns to Surface
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Cement Stages

Stg # 1	Description Intermediate Casing Cement					Objective		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 7,438.0	Pump Start Date 5/30/2015		Pump End Date 5/30/2015		Top Plug? Yes	Btm Plug? No									
Initial Pump Rate (bbl/min) 5		Final Pump Rate (bbl/min) 2		Avg Pump Rate (bbl/min) 5		Final Pump Pressure (psi) 958.0		Plug Bump Pressure (psi) 1,810.0		Pressure Held (psi) 2,000.0		Pressure Release Date 5/30/2015		Full Return? Yes		Vol Cement Ret (bbl) 30.0		Volume Lost (bbl) 0.0						
Recip? No	Stroke (ft)	Recip Rate (...)		Rotat... No	RPM (rpm)		Pipe Movement Note			MD Tagged... 7,395.0		Tag Method Drill Bit		Tag Wt (100... 5,000		Prop... No	Depth Plug... 7,454.0		Tag Cement Date 5/30/2015		Drill Out Date 5/30/2015		Drill Out Dia (...) 6 1/8	

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)
Lead	13.0	5,000.0	5/30/2015	5/30/2015	TYPE III	490	13.41	1.95	170.2		12.00
Tail	5,000.0	7,438.0	5/30/2015	5/30/2015	G	345	5.93	1.42	87.3		14.60