



Cement

Well Name: Wiedeman 29K-403

Cement

Surface Casing Cement, Casing, 7/12/2014 08:30

Type Casing	String Surface, 1,068.0ftKB	Start Date 7/12/2014	Cementing End Date 7/12/2014	Wellbore Original Hole	Job Drilling - original, 7/11/2014 03:15	Cementing Company Cementers Energy	Cement Objective	Eval Method Returns to Surface
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Cement Stages

Stg # 1	Description Surface Casing Cement				Objective		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 1,068.0	Pump Start Date 7/12/2014		Pump End Date 7/12/2014		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) 800.0	Pressure Held (psi) 0.0		Pressure Release Date		Full Return? Yes	Vol Cement Ret (bbl) 8.0		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	1,068.0	7/12/2014	7/12/2014	G	960		1.18	201.8	100.0	15.20

Intermediate Casing Cement, Casing, 7/17/2014 17:00

Type Casing	String Intermediate, 7,892.0ftKB	Start Date 7/17/2014	Cementing End Date 7/17/2014	Wellbore Original Hole	Job Drilling - original, 7/11/2014 03:15	Cementing Company Baker Hughes	Cement Objective	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) 7,892.0	Pump Start Date 7/17/2014		Pump End Date 7/17/2014		Top Plug? No	Btm Plug? No			
Initial Pump Rate (bbl/min) 5		Final Pump Rate (bbl/min) 4		Avg Pump Rate (bbl/min) 4		Final Pump Pressure (psi) 323.0	Plug Bump Pressure (psi) 1,998.0	Pressure Held (psi) 0.0		Pressure Release Date		Full Return? Yes	Vol Cement Ret (bbl) 10.0		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)
Lead	13.0	5,630.0	7/17/2014	7/17/2014	Premium Lite	314		2.99	167.2		11.20
Tail	5,630.0	7,892.0	7/17/2014	7/17/2014	50/50 Poz	300		1.38	73.7		14.60

Liner Cement, Casing, 3/6/2015 00:00

Type Casing	String Liner, 11,561.0ftKB	Start Date 3/6/2015	Cementing End Date 3/6/2015	Wellbore Original Hole	Job Initial Completion, 11/15/2014 23:00	Cementing Company Baker Hughes	Cement Objective	Eval Method
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Cement Stages

Stg # 1	Description Liner Cement				Objective			Top Depth (ftKB) 7,663.0	Bottom Depth (ftKB) 7,691.0	Pump Start Date 3/6/2015		Pump End Date		Top Plug? No	Btm Plug? 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? No		Vol Cement Ret (bbl)		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)
Lead	7,663.0	7,691.0	3/6/2015	3/6/2015	50/50 poz	171			122.0		
Tail	7,663.0	7,691.0	3/6/2015	3/6/2015	G	171			12.0		