



Cement

Well Name: Stroh 13G-203

Cement

Surface Casing Cement, Casing, 3/22/2015 03:30

Type Casing	String Surface, 929.0ftKB	Start Date 3/22/2015	Cementing End Date 3/22/2015	Wellbore Original Hole	Job Drilling - original, 3/18/2015 06:00	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			Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 950.0	Pump Start Date 3/22/2015			Pump End Date 3/22/2015		Top Plug? No	Btm Plug? Yes				
Initial Pump Rate (bbl/min) 4	Final Pump Rate (bbl/min) 5		Avg Pump Rate (bbl/min) 4		Final Pump Pressure (psi) 450.0		Plug Bump Pressure (psi) 450.0		Pressure Held (psi) 900.0		Pressure Release Date 3/22/2015			Full Return? Yes		Vol Cement Ret (bbl) 7.0		Volume Lost (bbl) 0.0		
Recip? No	Stroke (ft)	Recip Rate (...)	Rotat... No	RPM (rpm)	Pipe Movement Note			MD Tagged... 950.0	Tag Method Drill Bit		Tag Wt (100... 5		Prop... No	Depth Plug... 950.0	Tag Cement Date 3/23/2015		Drill Out Date 3/23/2015		Drill Out Dia (...) 8 3/4	

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	950.0	3/22/2015	3/22/2015	G	770	5.30	1.18	161.8		15.20

Intermediate Casing Cement, Casing, 3/27/2015 07:30

Type Casing	String Intermediate, 7,702.7ftKB	Start Date 3/27/2015	Cementing End Date 3/27/2015	Wellbore Original Hole	Job Drilling - original, 3/18/2015 06:00	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) 7,717.0	Pump Start Date 3/27/2015		Pump End Date 3/27/2015		Top Plug? No	Btm Plug? Yes		
Initial Pump Rate (bbl/min) 3	Final Pump Rate (bbl/min) 1		Avg Pump Rate (bbl/min) 3		Final Pump Pressure (psi) 358.0	Plug Bump Pressure (psi) 1,236.0	Pressure Held (psi) 2,104.0	Pressure Release Date 3/27/2015		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 Drill Bit		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)
Preflush	0.0		3/27/2015	3/27/2015					1.0		8.50
Lead	0.0		3/27/2015	3/27/2015	Premium Lite	310	18.18	2.99	165.1		11.20
Tail	6,500.0	7,717.0	3/27/2015	3/27/2015	50/50 poz	315	5.90	1.38	77.4		14.60
Displacement	0.0	7,659.0	3/27/2015	3/27/2015					286.0		10.40

Production Casing Cement, Casing, 4/4/2015 08:30

Type Casing	String Liner, 14,208.0ftKB	Start Date 4/4/2015	Cementing End Date 4/4/2015	Wellbore Original Hole	Job Drilling - original, 3/18/2015 06:00	Cementing Company Baker Hughes	Cement Objective	Eval Method
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Cement Stages

Stg # 1	Description Production Casing Cement					Objective			Top Depth (ftKB) 6,355.3	Bottom Depth (ftKB) 14,208.0	Pump Start Date 4/4/2015			Pump End Date 4/4/2018			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			4/4/2015	4/4/2015	50/50 POZ	424	10.31	2.06	156.8		13.00