



Cement

Well Name: Lajco 17U-343

Cement

Surface Casing Cement, Casing, 1/7/2016 15:15

Type Casing	String Surface, 1,251.8ftKB	Start Date 1/7/2016	Cementing End Date 1/7/2016	Wellbore Original Hole	Job Drilling - original, 1/6/2016 14:00	Cementing Company Cementers Well Service Inc	Cement Objective ISOLATION	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) 1,251.8		Pump Start Date 1/7/2016			Pump End Date 1/7/2016			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) 400.0		Plug Bump Pressure (psi) 800.0		Pressure Held (psi) 800.0		Pressure Release Date 1/7/2016			Full Return? Yes		Vol Cement Ret (bbl) 10.0			Volume Lost (bbl) 0.0								
Recip? No		Stroke (ft)		Recip Rate (...)		Rotat... No		RPM (rpm)		Pipe Movement Note				MD Tagged... 1,210.0		Tag Method Drill Bit		Tag Wt (100... 5		Prop... No		Depth Plug... 1,260.0		Tag Cement Date 1/8/2016		Drill Out Date 1/8/2016		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)
Lead	13.0	1,251.8	1/7/2016	1/7/2016	G	665	5.30	1.18	139.7		15.20

Production Casing Cement, Casing, 1/13/2016 14:30

Type Casing	String Production, 11,625.0ftKB	Start Date 1/13/2016	Cementing End Date 1/13/2016	Wellbore Original Hole	Job Drilling - original, 1/6/2016 14:00	Cementing Company Sanjel (USA) Inc	Cement Objective ISOLATION	Eval Method Returns to Surface
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Cement Stages

Stg # 1	Description Production Casing Cement				Objective ISOLATION		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 11,625.0	Pump Start Date 1/13/2016		Pump End Date 1/13/2016		Top Plug? Yes	Btm Plug? No			
Initial Pump Rate (bbl/min) 4		Final Pump Rate (bbl/min) 10		Avg Pump Rate (bbl/min) 7		Final Pump Pressure (psi) 1,800.0		Plug Bump Pressure (psi) 2,500.0		Pressure Held (psi) 2,500.0		Pressure Release Date 1/13/2016		Full Return? Yes	Vol Cement Ret (bbl) 20.0	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 8/20/2016	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	5,800.0	1/13/2016	1/13/2016	1:1:0 Poz Type III	830	9.25	1.73	255.7		12.50
Tail	5,800.0	11,625.0	1/13/2016	1/13/2016	1:2:0 Poz: G	900	9.21	1.87	299.7		13.50