



Cement

Well Name: Alles 22S-232

Cement

Surface Casing Cement, Casing, 3/31/2014 17:15

Type Casing	String Surface, 929.0ftKB	Start Date 3/31/2014	Cementing End Date 3/31/2014	Wellbore Original Hole	Job Drilling - original, 3/30/2014 06:00	Cementing Company Cementers	Cement Objective	Eval Method Returns to Surface
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Cement Stages

Stg #	Description	Objective				Top Depth (ftKB)	Bottom Depth (ftKB)	Pump Start Date	Pump End Date	Top Plug?	Btm Plug?		
1	Surface Casing Cement					15.0	929.0	3/1/2014		No	No		
4		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?	Vol Cement Ret (bbl)	Volume Lost (bbl)		
		2	2	3	300.0	750.0	0.0		Yes	7.0			
Recip?	Stroke (ft)	Recip Rate (...)	Rotat...	RPM (rpm)	Pipe Movement Note	MD Tagged...	Tag Method	Tag Wt (100...)	Prop...	Depth Plug...	Tag Cement Date	Drill Out Date	Drill Out Dia (...)
No			No						No				

Cement Fluids

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Pump Start Date	Pump End Date	Class	Amount (sacks)	Mix H2O Ratio (gal/sack)	Yield (ft ³ /sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Lead	15.0	929.0	3/1/2014		G	830		1.18	174.0	100.0	15.20

Intermediate Casing Cement, Casing, 4/4/2014 18:45

Type Casing	String Intermediate, 7,275.0ftKB	Start Date 4/4/2014	Cementing End Date 4/4/2014	Wellbore Original Hole	Job Drilling - original, 3/30/2014 06:00	Cementing Company Sanjel (USA) Inc	Cement Objective	Eval Method Returns to Surface
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Cement Stages

Stg #	Description	Objective				Top Depth (ftKB)	Bottom Depth (ftKB)	Pump Start Date	Pump End Date	Top Plug?	Btm Plug?		
1	Intermediate Casing Cement					15.0	7,275.0	4/4/2014		Yes	No		
5		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?	Vol Cement Ret (bbl)	Volume Lost (bbl)		
		2	2	4	1,200.0	1,800.0			No				
Recip?	Stroke (ft)	Recip Rate (...)	Rotat...	RPM (rpm)	Pipe Movement Note	MD Tagged...	Tag Method	Tag Wt (100...)	Prop...	Depth Plug...	Tag Cement Date	Drill Out Date	Drill Out Dia (...)
No			No						No				

Cement Fluids

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Pump Start Date	Pump End Date	Class	Amount (sacks)	Mix H2O Ratio (gal/sack)	Yield (ft ³ /sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Lead	15.0	5,000.0	4/4/2014		Prem Lite	345		2.73	167.0		11.50
Tail	5,000.0	7,275.0		4/4/2014	50/50 Poz	300		1.42	75.0		14.60

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