



Cement

Well Name: Collins 18T-201

Cement

Surface Casing Cement, Casing, 10/20/2015 03:00

Type Casing	String Surface, 934.6ftKB	Start Date 10/20/2015	Cementing End Date 10/20/2015	Wellbore Original Hole	Job Drilling - original, 10/19/2015 00:00	Cementing Company Cementers Well Service Inc	Cement Objective ISOLATION	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					13.0	934.6	10/20/2015	10/20/2015	Yes	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?	Vol Cement Ret (bbl)	Volume Lost (bbl)		
4		5		5	425.0	950.0	950.0	10/20/2015	Yes	8.0	0.0		
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			893.0	Drill Bit	5	No	945.0	10/20/2015	10/20/2015	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 (ft ³ /sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Lead	13.0	934.6	10/20/2015	10/20/2015	G	500	5.20	1.18	105.0		15.20

Intermediate Casing Cement, Casing, 10/22/2015 13:45

Type Casing	String Intermediate, 7,382.1ftKB	Start Date 10/22/2015	Cementing End Date 10/22/2015	Wellbore Original Hole	Job Drilling - original, 10/19/2015 00:00	Cementing Company Halliburton Energy Services	Cement Objective ISOLATION	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					13.0	7,382.1	10/22/2015	10/22/2015	Yes	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?	Vol Cement Ret (bbl)	Volume Lost (bbl)		
5		8		7	1,780.0	2,350.0	2,350.0	10/22/2015	No	0.0	0.0		
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			7,338.0	Drill Bit	5	No	7,395.0	10/22/2015	10/23/2015	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 (ft ³ /sack)	Vol Pumped (bbl)	Excess (%)	Dens (lb/gal)
Lead	13.0	7,382.1	10/22/2015	10/22/2015	Elasticem (TM) System	835	7.08	1.60	238.0		13.80

Liner Cement, Casing, 10/25/2015 17:00

Type Casing	String Liner, 11,314.0ftKB	Start Date 10/25/2015	Cementing End Date 10/25/2015	Wellbore Original Hole	Job Drilling - original, 10/19/2015 00:00	Cementing Company Halliburton Energy Services	Cement Objective ISOLATION	Eval Method Calculated
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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	Liner Cement					6,257.5	11,314.0	10/25/2015	10/25/2015	Yes	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?	Vol Cement Ret (bbl)	Volume Lost (bbl)		
5		5		5	1,920.0	2,500.0	2,500.0	10/25/2015	Yes	10.0	0.0		
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	6,257.5	11,314.0	10/25/2015	10/25/2015	Expandacem (TM) System	370	7.72	1.67	110.1		13.80

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