

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3676892		Quote #: 0022104033		Sales Order #: 0902794922				
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Robert Schultz						
Well Name: ANSCHUTZ STATE		Well #: 5-62-22-1724B2		API/UWI #: 05-123-41755-00						
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: WELD		State: COLORADO						
Legal Description: SW NW-22-5N-62W-2015FNL-350FWL										
Contractor: CADE DRLG				Rig/Platform Name/Num: CADE 24						
Job BOM: 7521										
Well Type: DIRECTIONAL OIL										
Sales Person: HALAMERICA\HX40837				Srv Supervisor: Kendall Broom						
Job										
Formation Name										
Formation Depth (MD)		Top	Bottom							
Form Type				BHST						
Job depth MD		832ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor						
Perforation Depth (MD)		From	To							
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36		J-55	0	832		
Open Hole Section			13.5				0	832		
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe					Top Plug	9 5/8	1	HES		
Float Shoe				832	Bottom Plug					
Float Collar					SSR plug set					
Insert Float					Plug Container					
Stage Tool					Centralizers					
Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc	Acid Type		Qty	Conc
Treatment Fld		Conc		Inhibitor		Conc	Sand Type		Size	Qty
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name		Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Spacer	Fresh Water Spacer		20	bbl	8.33				
Fluid Data										
Fluid #	Stage Type	Fluid Name		Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

iCem® Service

(v. 4.2.393)

Created: Thursday, October 08, 2015

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2	Tail Cement	SWIFTCEM (TM) SYSTEM	330	sack	14.2	1.54		6	7.66
7.63 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	61	bbl	8.33				
Cement Left In Pipe		Amount	45 ft		Reason		Shoe Joint		
Comment									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	9/30/2015	21:00:00	USER				Called crew out to be on location at 0300
Event	2	Depart Shop for Location	Depart Shop for Location	10/1/2015	00:15:00	USER				Held a safety meeting before leaving for location
Event	3	Arrive At Loc	Arrive At Loc	10/1/2015	02:00:00	USER				Arrived on location and met with the company man. All casing had been run
Event	4	Rig-up Lines	Rig-up Lines	10/1/2015	02:15:00	USER				Held a hazard hunt before spotting in trucks and rigging up
Event	5	Safety Meeting	Safety Meeting	10/1/2015	02:45:00	USER				Held a safety meeting with the rig crew to discuss the operation and safety
Event	6	Start Job	Start Job	10/1/2015	03:12:58	COM4	8.56	1.00	0.00	Filled lines with 2 bbl water
Event	7	Test Lines	Test Lines	10/1/2015	03:14:58	COM4	8.56	11.00	0.00	Tested lines to 2530 psi
Event	8	Pump Spacer 1	Pump Spacer 1	10/1/2015	03:19:03	COM4	8.54	8.00	0.00	Pumped 10 bbl water with red dye
Event	9	Pump Spacer 2	Pump Spacer 2	10/1/2015	03:23:14	COM4	8.58	48.00	3.00	Pumped 10 bbl fresh water
Event	10	Pump Cement	Pump Cement	10/1/2015	03:31:25	COM4	8.55	19.00	0.00	Pumped 90.51 bbl 14.2# SwiftCem, 1.54 yield, 7.66 gal/sks
Event	11	Shutdown	Shutdown	10/1/2015	03:53:48	COM4	14.36	34.00	0.20	Washed up the cement head
Event	12	Drop Top Plug	Drop Top Plug	10/1/2015	03:55:35	COM4	14.42	6.00	0.00	Dropped plug pre-loaded and witnessed by the company man
Event	13	Pump Displacement	Pump Displacement	10/1/2015	03:55:39	COM4	14.46	6.00	0.00	Pumped 61 bbl water displacement. Got all the spacer back and 18 bbl cement back to surface
Event	14	Bump Plug	Bump Plug	10/1/2015	04:16:03	COM4	7.93	913.00	0.00	Final lift was 270 psi, bumped at 750 psi, checked floats and got 3/4 bbl

										back on truck, floats held	
Event	15	Pressure Up Well	Pressure Up Well	10/1/2015	04:20:09	COM4	7.94	1490.00	0.00	Pressured up to 1500 psi for a 5 min casing test	
Event	16	End Job	End Job	10/1/2015	04:25:48	COM4					
Event	17	Rig Down Lines	Rig Down Lines	10/1/2015	04:29:00	USER					Held a safety meeting before rigging down lines
Event	18	Depart Location	Depart Location	10/1/2015	05:15:00	USER					Held a safety huddle before leaving location