

**BILL BARRETT CORPORATION E-BILL
DO NOT MAIL-1099 18TH ST,STE 2300W
DENVER, Colorado**

Kunsemiller 5-61-21-0108BH

Cade 24

Post Job Summary **Cement Surface Casing**

Date Prepared: 12/02/2013
Version: 1

Service Supervisor: BIRCHELL, DEVIN

Submitted by: HINDS, MOLLYE

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft
Open Hole Section	13 1/2" Open Hole		13.500		0.00	830.00
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	830.00

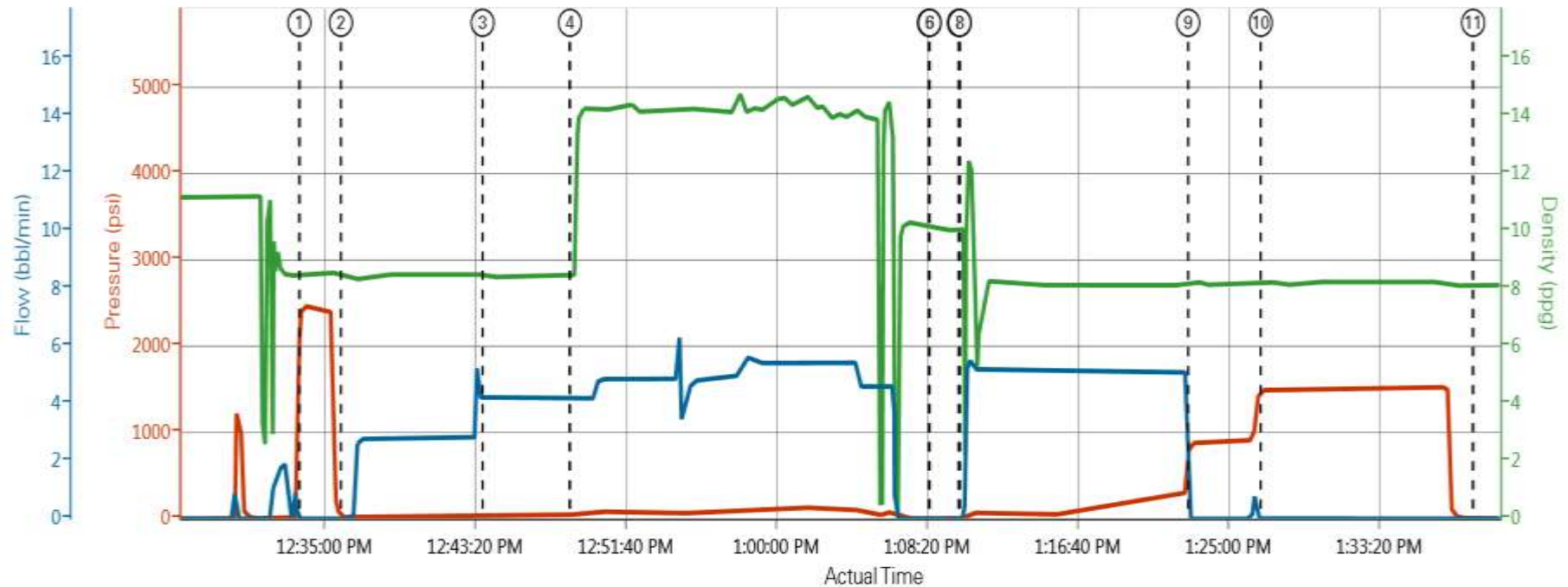
Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Dyed Water Spacer	8.33	3.00	20.0 bbl	20.0 bbl
1	1	Spacer	FRESH WATER	8.33	4.00	20.0 bbl	20.0 bbl
1	2	Cement Slurry	Tail Cement	14.20	5.00	260.0 sks	260.0 sks
1	3	Spacer	DISPLACEMENT	8.33	5.00	60.0 bbl	60.0 bbl

HALLIBURTON

Data Acquisition

Bill Barrett Kunsemiller 5-61-21-01108BH



Truck 1 Pr (psi) Truck 1 Dens (ppg) Truck 1 Slry Rt (bbl/min)

① Test Lines 2458;8.52;0	④ Pump Lead Cement 48;8.46;4.2	⑦ Drop Top Plug 4;10.08;0	⑩ Casing Test 1498;8.26;0
② Pump Spacer 1 14;8.46;0	⑤ Shutdown 3;10.16;0	⑧ Pump Displacement 4;10.04;0	⑪ End Job 5;8.15;0
③ Pump Spacer 2 44;8.49;4.2	⑥ Clean Lines 3;10.11;0	⑨ Bump Plug 868;8.16;0	

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
11/20/2013 07:00		Call Out					Called Out Cement Crew For Bill Barrett Kunsemiller 5-61-21-0108BH Surface
11/20/2013 09:40		Pre-Convoy Safety Meeting					Discussed Hazards On Route To Location, Weather, Other Traffic, Route
11/20/2013 10:00		Depart from Service Center or Other Site					
11/20/2013 11:30		Arrive At Loc					Arrived To Location Talked With Company Rep On Volumes, Rates, Depths
11/20/2013 11:35		Pre-Rig Up Safety Meeting					Discussed Hazards With Cement Crew For Rigging Up Iron and Water Hoses
11/20/2013 11:40		Rig-Up Equipment					
11/20/2013 12:10		Pre-Job Safety Meeting					Discussed Job Procedures With Cement and Rig Crews
11/20/2013 12:25		Rig-Up Completed					Finished Rigging Up To The Floor And Well Head
11/20/2013 12:30		Prime Pumps					Primed Pumps and Lines For Pressure Test
11/20/2013 12:33		Pressure Test				2425.0	Test Pump and Lines to 2425 psi
11/20/2013 12:36		Pump Spacer	3	20		37.0	Pumped 20 bbls Dyed Water Spacer
11/20/2013 12:43		Pump Spacer 1	4	20		45.0	Pumped 20 bbls Fresh Water Spacer
11/20/2013 12:48		Pump Cement	5	91		82.0	Pumped 91 bbls (260sks) 14.2 ppg Slurry, Yield 1.55 ft3/sk Water 7.68 gal/sk
11/20/2013 13:08		Drop Plug					Dropped Plug With Driller Witnessing
11/20/2013 13:10		Pump Displacement					Pumped 60 bbls Fresh Water Displacement
11/20/2013 13:10		Clean Lines	5			35.0	Washed Pump and Lines on Plug
11/20/2013 13:11		Spacer Returns to Surface	5	18		45.0	20 bbls Dyed Water, 10 bbls Fresh Water
11/20/2013 13:21		Cement Returns to Surface	5	58		625.0	2 bbls Cement Returns To Surface
11/20/2013 13:22		Bump Plug	5	60		648.0	Bumped Plug With 648 psi Took Pressure to 903 psi
11/20/2013 13:26		Pressure Up				1500.0	Pressured casing to 1500 psi and held for 10 minutes
11/20/2013 13:36		Check Floats					Checked Floats, Floats Held With .5 bbls Back To Truck
11/20/2013 13:38		Job Complete					
11/20/2013 13:40		Post-Job Safety Meeting (Pre Rig-Down)					Discussed Hazards With Crew For Rigging Down Iron and Water Hoses
11/20/2013 13:45		Rig-Down Equipment					
11/20/2013 14:20		Rig-Down Completed					
11/20/2013 14:25		Pre-Convoy Safety Meeting					Discussed Hazards On Route To Service Center, Weather, Other Traffic, Route
11/20/2013 14:30		Depart Location for Service Center or Other Site					Thank You For Using Halliburton Energy Services



The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3202716		Quote #:		Sales Order #: 900914812						
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Gritts, Kim								
Well Name: Kunsemiller		Well #: 5-61-21-0108BH		API/UWI #: 05-123-38211								
Field: WATTENBURG		City (SAP): KERSEY		County/Parish: Weld		State: Colorado						
Job Purpose: Cement Surface Casing												
Well Type: Development Well		Job Type: Cement Surface Casing										
Sales Person: PLIENESS, RYAN		Srvc Supervisor: BIRCHELL, DEVIN			MBU ID Emp #: 466993							
Job Personnel												
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #					
BIRCHELL, DEVIN Ray		0.0	466993	LANGE, TIMOTHY Paul		0.0	520811					
						MILLER, GEOFFREY Alan	0.0					
							460232					
Equipment												
HES Unit #		Distance-1 way		HES Unit #		Distance-1 way						
11764054C		45 mile		11764737		45 mile						
Job Hours												
Date		On Location Hours	Operating Hours	Date		On Location Hours	Operating Hours					
TOTAL		Total is the sum of each column separately										
Job				Job Times								
Formation Name						Date	Time	Time Zone				
Formation Depth (MD)		Top	Bottom			Called Out	20 - Nov - 2013	07:00	MST			
Form Type		BHST				On Location	20 - Nov - 2013	11:30	MST			
Job depth MD		830. ft		Job Depth TVD		827. ft	Job Started	20 - Nov - 2013	12:33	MST		
Water Depth				Wk Ht Above Floor		7. ft	Job Completed	20 - Nov - 2013	13:38	MST		
Perforation Depth (MD)		From	To			Departed Loc	20 - Nov - 2013	14:30	MST			
Well Data												
Description		New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
13 1/2" Open Hole					13.5				.	830.		
9 5/8" Surface Casing		Unknow n		9.625	8.921	36.		J-55	.	830.		
Fluid Data												
Stage/Plug #: 1												
Fluid #	Stage Type		Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	FRESH WATER					40.0	bbl	8.33	.0	.0	4.0	
2	Tail Cement		SWIFTCEM (TM) SYSTEM (452990)			260.0	sacks	14.2	1.55	7.68	5.0	7.68
7.68 Gal		FRESH WATER										
3	DISPLACEMENT					60.0	bbl	8.33	.0	.0	5.0	
The Information Stated Herein Is Correct						Customer Representative Signature						