

BILL BARRETT CORPORATION E-BILL

Greasewood 4-8H

Cade/24

Post Job Summary
Cement Intermediate Casing

Date Prepared: 10/3/2013
Version: 1

Service Supervisor: FANTASIA, JOSEPH

Submitted by: LANSDALE, JUSTIN

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		TVD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	864.00			
Open Hole Section	8 3/4" Open Hole		8.750		864.00	6,700.00	864.00	6,274.00	
Casing	7" Intermediate Casing	7.00	6.276	26.00	0.00	6,612.00	0.00	6,274.00	42.00

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Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	TUNED SPACER III	11.50	3.00	40.0 bbl	40.0 bbl
1	2	Cement Slurry	ExtendaCem B1	12.50	5.00	405.0 sacks	405.0 sacks
1	3	Cement Slurry	EXPANDACEM B1	13.50	4.00	175.0 sacks	175.0 sacks
1	4	Mud	MUD DISPLACEMENT	9.60	7.00		250 bbl

Fluids Pumped

Stage/Plug # 1 Fluid 1: TUNED SPACER III
 TUNED SPACER III - SBM (483826)
 146.5 Barite
 lbm/bbl

Fluid Density: 11.50 lbm/gal
 Fluid Volume: 40.00 bbl

Stage/Plug # 1 Fluid 2: ExtendaCem B1
 ECONOCEM (TM) SYSTEM
 5 lbm Silicalite Compacted

Fluid Weight: 12.50 lbm/gal
 Slurry Yield: 1.97 ft³/sack
 Total Mixing Fluid: 10.72 Gal
 Surface Volume: 405.0 sacks
 Sacks: 405.0 sacks

Stage/Plug # 1 Fluid 3: EXPANDACEM B1
 FRACCEN (TM) SYSTEM

Fluid Weight: 13.50 lbm/gal
 Slurry Yield: 1.74 ft³/sack
 Total Mixing Fluid: 8.30 Gal
 Surface Volume: 175.0 sacks
 Sacks: 175.0 sacks

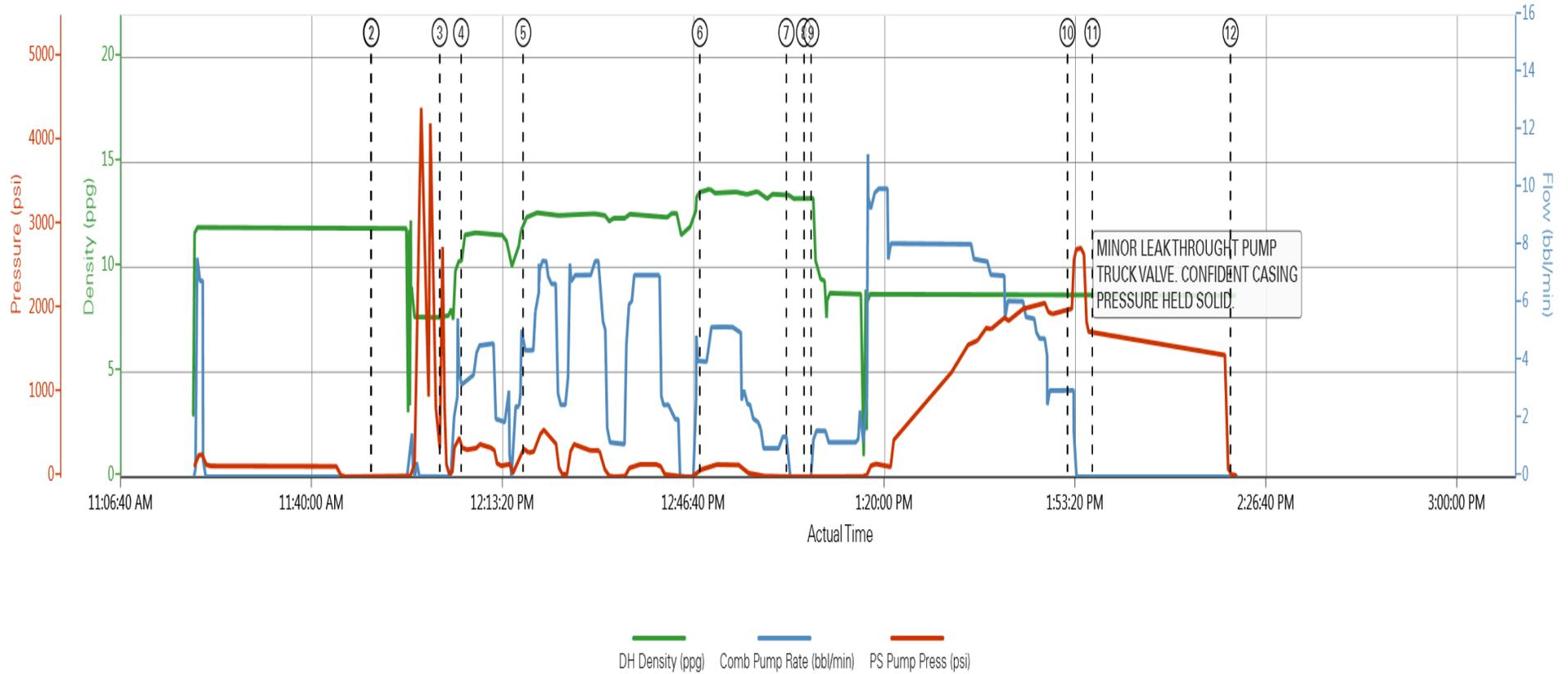
Stage/Plug # 1 Fluid 4: MUD
 DISPLACEMENT

Fluid Density: 9.60 lbm/gal

HALLIBURTON

Data Acquisition

GREASEWOOD 4-8H INTERMEDIATE



- ① Other
- ② Start Job
- ③ Test Lines
- ④ Pump Spacer 1
- ⑤ Pump Lead Cement
- ⑥ Pump Tail Cement
- ⑦ Shutdown
- ⑧ Drop Top Plug
- ⑨ Pump Displacement
- ⑩ Bump Plug
- ⑪ Casing Pressure Test
- ⑫ End Job

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Edit

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
09/15/2013 08:00		Arrive at Location from Service Center					ARRIVE AT LOCATION AND PERFORM HAZARD HUNT AND SITE ASSESSMENT WITH CREW.
09/15/2013 08:15		Assessment Of Location Safety Meeting					
09/15/2013 11:45		Start Job					PERFORM PRE JOB SAFETY MEETING WITH ALL PRESENT PERSONELL.
09/15/2013 12:02		Test Lines					PRESSURE TEST LINES TO 4000 PSI.
09/15/2013 12:06		Pump Spacer 1	3	40		339.0	40 BBLS TUNED SPACER MIXED AT 11.5 PPG
09/15/2013 12:17		Pump Lead Cement	5	142		318.0	405 SKS EXTENDACEM MIXED AT 12.5 PPG USING RIG WATER
09/15/2013 12:48		Pump Tail Cement	4	54		120.0	175SKS EXPANDACEM MIXED AT 13.5 PPG USING RIG WATER
09/15/2013 13:03		Shutdown					
09/15/2013 13:06		Drop Top Plug					TOP PLUG PRELOADED
09/15/2013 13:07		Pump Displacement	7	250		168.0	GOOD RETURNS THROUGHOUT. SPACER TO SURFACE AT 190 BBLS INTO 250 BBLS TOTAL DISPLACEMENT. APPROX 40 BBLS SPACER AND 20 BBLS CEMENT TO SURFACE.
09/15/2013 13:52		Bump Plug	3				PLUG LANDED AT 2000 PSI. PRESSURE BROUGHT TO 2800 PSI AND HELD FOR 3 MIN.
09/15/2013 13:56		Pressure Test				1600.0	BLEED BUMP PRESSURE OFF TO 1500 PSI AND HOLD FOR 30 MIN. PRESSURE BLEED OFF SLOWLY DUE TO SMALL LEAK ON PUMP TRUCK RELEASE LINE.LOST ABOUT 200 PSI.
09/15/2013 14:25		Check Floats					FLOATS HELD
09/15/2013 14:35		Post-Job Safety Meeting (Pre Rig-Down)					PERFORM PRE RIG DOWN SAFETY MEETING WITH CREW PRIOR TO RIGGING DOWN.
09/15/2013 14:45		End Job					

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3099539		Quote #:		Sales Order #: 900746106						
Customer: BILL BARRETT CORPORATION E-BILL					Customer Rep: Gritts, Kim							
Well Name: Greasewood			Well #: 4-8H			API/UWI #: 05-123-36317						
Field: WATTENBURG		City (SAP): KERSEY		County/Parish: Weld			State: Colorado					
Lat: N 40.497 deg. OR N 40 deg. 29 min. 48.89 secs.				Long: W 104.234 deg. OR W -105 deg. 45 min. 58.111 secs.								
Contractor: CADE			Rig/Platform Name/Num: Cade 24									
Job Purpose: Cement Intermediate Casing												
Well Type: Development Well				Job Type: Cement Intermediate Casing								
Sales Person: GREGORY, JON			Srvc Supervisor: FANTASIA, JOSEPH			MBU ID Emp #: 485445						
Job Personnel												
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #				
CORONADO, EDI	7.0	123456	FANTASIA, JOSEPH Brandon	7.0	485445	HINKLE, BRADLEY Dean	7.0	512123				
MILLS, CHUCK	7.0	123456	PRICE, JEREMIAH	7.0	123456							
Equipment												
HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>					
10866497C	80 mile	11064046C	80 mile	11488570C	80 mile	11764052	80 mile					
11764737	80 mile											
Job					Job Times							
Formation Name					Date		Time	Time Zone				
Formation Depth (MD)		Top	Bottom		Called Out		15 - Sep - 2013	03:00	MST			
Form Type		BHST			On Location		15 - Sep - 2013	08:00	MST			
Job depth MD		6612. ft	Job Depth TVD		6274. ft	Job Started		15 - Sep - 2013	11:45	MST		
Water Depth		Wk Ht Above Floor			Job Completed		15 - Sep - 2013	14:20	MST			
Perforation Depth (MD)		<i>From</i>	<i>To</i>		Departed Loc		15 - Sep - 2013	15:00	MST			
Well Data												
<i>Description</i>	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	
8 3/4" Open Hole				8.75				864.	6700.	864.	6274.	
7" Intermediate Casing	New		7.	6.276	26.	LTC	HCP110	.	6612.	.	6274.	
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	864.			
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	TUNED SPACER III	TUNED SPACER III - SBM (483826)	40.00	bbl	11.5	7.21	53.96	3	
	146.5 lbm/bbl	BARITE, 100 LB SK (100003680)							
	36.09 gal/bbl	FRESH WATER							
2	ExtendaCem B1	ECONOCEM (TM) SYSTEM (452992)	405.0	sacks	12.5	1.97	10.72	5	10.72
	5 lbm	SILICALITE - COMPACTED, 50 LB SK (100012223)							
	10.72 Gal	FRESH WATER							
3	EXPANDACEM B1	FRACCEM (TM) SYSTEM (452963)	175.0	sacks	13.5	1.74	8.3	4	8.3
	8.3 Gal	FRESH WATER							
4	MUD DISPLACEMENT			bbl	9.6			7	
Rates									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>				Avg. Job	
<i>Cement Left In Pipe</i>	Amount	42 ft	<i>Reason</i>	Shoe Joint					
<i>Frac Ring # 1 @</i>	<i>ID</i>	<i>Frac ring # 2 @</i>	<i>ID</i>	<i>Frac Ring # 3 @</i>	<i>ID</i>	<i>Frac Ring # 4 @</i>	<i>ID</i>		
<i>The Information Stated Herein Is Correct</i>				Customer Representative Signature					

