

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

Hawkins 5-61-21-4841BH

Bill Barrett SST 17

Post Job Summary

Cement Intermediate Casing

Date Prepared: 10/3/2013
Version: 1

Service Supervisor: LAVALLEY, LARRY

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	829.00			
Open Hole Section	8 3/4" Open Hole		8.750		829.00	6,505.00	829.00	6,505.00	
Casing	7" Intermediate Casing	7.00	6.276	26.00	0.00	6,493.00	0.00	6,493.00	45.00

HALLIBURTON

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	5.00	40.0 bbl	40.0 bbl
1	2	Cement Slurry	ExtendaCem B1	12.50	6.00	405.0 sacks	405.0 sacks
1	3	Cement Slurry	EXPANDACEM B1	13.50	6.00	235.0 sacks	235.0 sacks
1	4	Mud	MUD DISPLACEMENT	10.20	6.00	246.0 bbl	246.0 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

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
FRACCEM (TM) SYSTEM

Fluid Weight: 13.50 lbm/gal
Slurry Yield: 1.74 ft³/sack
Total Mixing Fluid: 8.30 Gal
Surface Volume: 235.0 sacks
Sacks: 235.0 sacks

Stage/Plug # 1 Fluid 4: MUD
DISPLACEMENT

Fluid Density: 10.20 lbm/gal
Fluid Volume: 246.00 bbl

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
09/18/2013 13:22		Start Job						
09/18/2013 13:26		Test Lines					4180.0	RIG WATER WITH NO ADDITIVES
09/18/2013 13:33		Pump Spacer 1	5	40			199.0	TUNED SPACER III MIXED @ 11.5 PPG YIELD 7.21 FT3/SK AND 53.96 GAL/SK
09/18/2013 13:49		Pump Lead Cement	6	142			199.0	405 SKS ECONOCEM B2 MIXED @ 12.5 PPG YIELD 1.89 FT3/FT AND 10.29 GAL/SK
09/18/2013 14:19		Pump Tail Cement	6	73			54.0	235 SKS FRACCEM MIXED @ 13.5 PPG YIELD 1.74 FT3/SK AND 8.3 GAL/SK
09/18/2013 14:38		Shutdown						
09/18/2013 14:41		Drop Top Plug						PRELOADED HWE TOP PLUG
09/18/2013 14:42		Pump Displacement	6	246			1740.0	DRILLING MUD SUPPLIED BY RIG LAST 50 BBLS RIG WATER. CAUGHT CEMENT @ 57 BBLS AWAY AND SPACER RETURNED TO SURFACE @ 130 BBLS AWAY. CEMENT RETURNED @ 200 BBLS AWAY, 46 BBLS CEMENT BACK TO SURFACE
09/18/2013 15:46		Bump Plug	3				2330.0	CALCULATED PRESSURE TO LAND WAS 1300. FLOATS HELD AND GOT 1.5 BBLS BACK.
09/18/2013 15:55		End Job						

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3105644		Quote #:		Sales Order #: 900748930						
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Crow, Cecil								
Well Name: Hawkins		Well #: 5-61-21-4841BH		API/UWI #: 05-123-37755								
Field: WATTENBURG		City (SAP): KERSEY		County/Parish: Weld		State: Colorado						
Lat: N 40.382 deg. OR N 40 deg. 22 min. 56.262 secs.				Long: W 104.223 deg. OR W -105 deg. 46 min. 38.784 secs.								
Contractor: Bill Barrett		Rig/Platform Name/Num: SST17										
Job Purpose: Cement Intermediate Casing												
Well Type: Development Well		Job Type: Cement Intermediate Casing										
Sales Person: GREGORY, JON		Srvc Supervisor: LAVALLEY, LARRY			MBU ID Emp #: 419296							
Job Personnel												
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs					
BROOM, KENDALL L	0.0	524682	HERNANDEZ, ROY	0.0	123456	LAVALLEY, LARRY P	0.0					
TAUILILI, SAIAGA	0.0	545471	WILEY, JAMES A	0.0	440080							
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>					
10248053C	72 mile	10857080	72 mile	11488570C	72 mile	11518549	72 mile					
11633846C	72 mile	11808819	72 mile	11923776C	72 mile							
Job				Job Times								
Formation Name				Date								
Formation Depth (MD) Top				Time								
Bottom				Time Zone								
Form Type				Called Out								
Job depth MD				On Location								
Water Depth				Job Started								
Perforation Depth (MD) From				Job Completed								
To				Departed Loc								
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	
8 3/4" Open Hole				8.75				829.	6505.	829.	6505.	
7" Intermediate Casing	New		7.	6.276	26.	LTC	HCP110	.	6493.	.	6493.	
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	829.			
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	5.0	
	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	6.0	10.72
	10.72 Gal	FRESH WATER							
3	EXPANDACEM B1	FRACCEM (TM) SYSTEM (452963)	235.0	sacks	13.5	1.74	8.3	6.0	8.3
	8.3 Gal	FRESH WATER							
4	MUD DISPLACEMENT		246.00	bbl	10.2			6.0	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	45 ft	Reason	Shoe Joint				
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

