

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

Werner 33A-23-692

**PROPETRO 1**

## **Post Job Summary** **Cement Surface Casing**

Prepared for: JODI SOUTH  
Date Prepared: 7/21/10  
Version: 1

Service Supervisor: JAMISON, PRICE

Submitted by:

**HALLIBURTON**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 2794476		<b>Quote #:</b>		<b>Sales Order #:</b> 7506094	
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL				<b>Customer Rep:</b> South, Jodi			
<b>Well Name:</b> Werner			<b>Well #:</b> 33A-23-692			<b>API/UWI #:</b> 05-045-19247	
<b>Field:</b> MAMM CR		<b>City (SAP):</b> Silt		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Lat:</b> N 39.508 deg. OR N 39 deg. 30 min. 27.972 secs.				<b>Long:</b> W 107.63 deg. OR W -108 deg. 22 min. 11.078 secs.			
<b>Contractor:</b> PROPETRO			<b>Rig/Platform Name/Num:</b> PROPETRO 1				
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> METLI, MARSHALL			<b>Srvc Supervisor:</b> JAMISON, PRICE		<b>MBU ID Emp #:</b> 229155		

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HAYES, JESSE Doug		403601	JAMISON, PRICE W		229155	JENSEN, SHANE Lynn		441759

**Equipment**

HES Unit #	Distance-1 way						
10616651C	mile	10867094	mile	10897925	mile	10995025	mile
11259881	mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/20/10	1.5	0	7/21/10	6	1			

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name				Date	Time	Time Zone
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	20 - Jul - 2010	18:00 MST
<b>Form Type</b>	BHST			<b>On Location</b>	20 - Jul - 2010	22:30 MST
<b>Job depth MD</b>	804.9 ft	<b>Job Depth TVD</b>	820. ft	<b>Job Started</b>	21 - Jul - 2010	05:04 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	1. ft	<b>Job Completed</b>	21 - Jul - 2010	05:42 MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Departed Loc</b>	21 - Jul - 2010	06:00 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
OPEN HOLE				12.25				.	820.	.	820.
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	804.9	.	804.9

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		
ADC (AUTO DENSITY CTRL) SYS, /JOB, ZI	1	JOB		
R/A DENSOMETER W/CHART RECORDER, /JOB, ZI	1	JOB		
PORT. DAS W/CEMWIN; ACQUIRE W/HES, ZI	1	JOB		

**Tools and Accessories**

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	WATER SPACER		20.00	bbl	8.33	.0	.0	6.0	
2	LEAD CEMENT	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.75	6.0	13.75
		-12.505 Gal FRESH WATER							
3	TAIL CEMENT	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.88	6.0	6.72
		6.715 Gal FRESH WATER							
4	DISPLACEMENT		58.7	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	58.7	Shut In: Instant		Lost Returns	NO	Cement Slurry	81.3	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	26	Actual Displacement	58.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	160
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

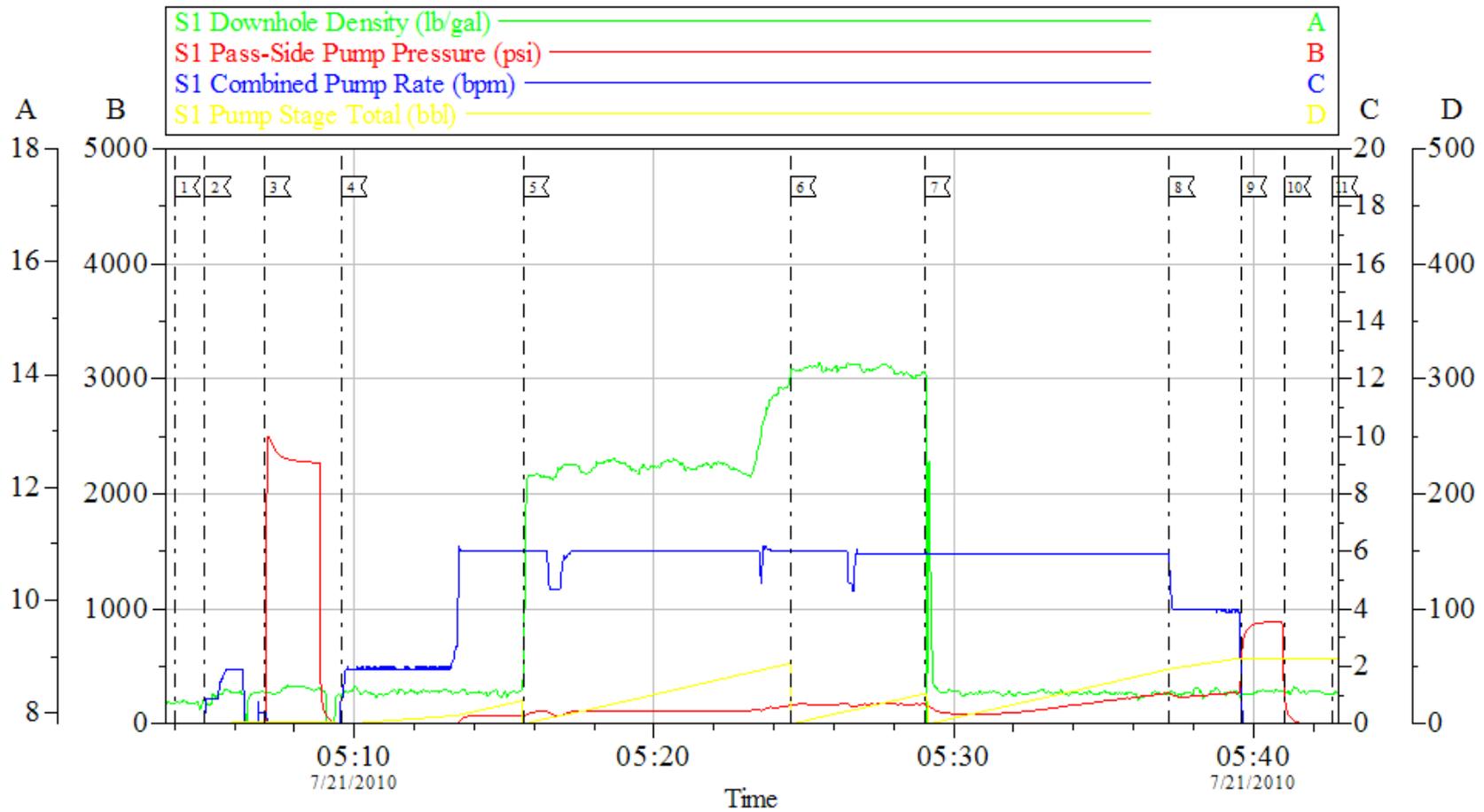
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<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srvc Supervisor:</b> JAMISON, PRICE	<b>MBU ID Emp #:</b> 229155

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/20/2010 18:00							TD 820 HOLE SIZE 12.25 TP 804.9 SHOE JOINT 45 CASING 9.625 GRADE J-55 NO MUD WELL WAS AIR MIST DRILLED
Depart Yard Safety Meeting	07/20/2010 20:00							
Crew Leave Yard	07/20/2010 20:30							
Arrive At Loc	07/20/2010 22:30							
Assessment Of Location Safety Meeting	07/20/2010 22:45							
Pre-Rig Up Safety Meeting	07/21/2010 04:30							
Pre-Job Safety Meeting	07/21/2010 05:00							
Start Job	07/21/2010 05:04							
Prime Pumps	07/21/2010 05:05		2	2			5.0	FRESH WATER
Test Lines	07/21/2010 05:07						2000. 0	
Pump Water	07/21/2010 05:09		6	20			70.0	FRESH WATER
Pump Lead Cement	07/21/2010 05:15		6	50.9			116.0	MIXED @ 12.3 PPG YIELD 2.38 WAT/REQ 13.77 120 SKS
Pump Tail Cement	07/21/2010 05:24		6	30.6			171.0	MIXED @ 14.2 PPG YIELD 1.43 WAT/REQ 6.85 120 SKS
Drop Plug	07/21/2010 05:29							GOT RETURNES @ 23 AWAY ON TAIL

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	07/21/2010 05:29		6					FRESH WATER
Slow Rate	07/21/2010 05:37		4	48			268.0	
Bump Plug	07/21/2010 05:39		4	58.7			270.0	PRESSURED UP TO 885 PSI
Check Floats	07/21/2010 05:41							FLOATS HELD
End Job	07/21/2010 05:42							CEMENT BACK TO SURFACE 26 BBLS
Post-Job Safety Meeting (Pre Rig-Down)	07/21/2010 05:45							CASING WAS NOT MOVED THROUGHOUT JOB
Standby Rig	07/21/2010 06:00							WAITING ON NEXT WELL

## BILL BARRETT 9.625 SURFACE CASING



Local Event Log								
1	START JOB	05:04:00	2	PRIME LINES	05:05:01	3	TEST LINES	05:07:00
4	START FRESH WATER SPACER	05:09:34	5	START LEAD CEMENT	05:15:38	6	START TAIL CEMENT	05:24:33
7	DROP PLUG / START DISPLACEMENT	05:29:02	8	SLOW RATE	05:37:11	9	BUMP PLUG	05:39:36
10	CHECK FLOATS	05:41:04	11	END JOB	05:42:38			

Customer: BILL BARRETT	Job Date: 21-Jul-2010	Sales Order #: 7506094
Well Description: WERNER 33A-23-692	Job Type: CEMENT	ADC Used: YES
Company Rep: JODI SOUTH	Cement Supervisor: BILL JAMISON	Elite #: 4 JESSE HAYES

**HALLIBURTON**  
OptiCem v6.3.4  
21-Jul-10 05:53