

CHESAPEAKE OPERATING INC EBUSINESS  
DO NOT MAIL-PO BOX 548806  
OKLAHOMA CITY, Oklahoma

HOFF  
Hoff 6-62 15-1H

CYCLONE/Cyclone/26

## Post Job Summary

# Cement Production Casing

Date Prepared: FRY, DOMINIK  
Version: 1

Service Supervisor: SALINAS, JOSE

Submitted by: FRY, DOMINIK

HALLIBURTON

# 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	Water	8.33	6.00	40.0 bbl	40.0 bbl
1	2	Cement Slurry	Varicem 12#	12.00	6.00	440.0 sacks	440.0 sacks
1	3	Cement Slurry	Econocem B2 14.6#	14.60	6.00	1065.0 sacks	1065.0 sacks
1	4	Mud	Water Displacement	8.33	6.00	200.0 bbl	200.0 bbl

## ***Job Summary***

### **Job Information**

<b>Job Start Date</b>	10/3/2011 9:00:00 AM	<b>Pipe Movement During Cementing</b>	None
<b>Job MD</b>	11,650.0 ft	<b>Calculated Displacement</b>	200.00 bbl
<b>Job TVD</b>	11,650.0 ft	<b>Job Displaced by (rig/halco)</b>	Cement Unit HP Pumps
<b>Height of Plug Container/Swage Above Rig Floor</b>	3.0 ft		
<b>Mud Type</b>	Water Based Mud		
<b>Actual Mud Density</b>	9 lbm/gal		

### **Cementing Equipment**

<b>Did Float Equipment Hold?</b>	Yes	<b>Calculated Pressure to Bump Plugs</b>	2,890.0 psig
<b>Plug set used?</b>	Unknown		
<b>Did Plugs Bump?</b>	Yes		

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
10/02/2011 22:30		Call Out					
10/03/2011 01:45		Pre-Convoy Safety Meeting					
10/03/2011 03:00		Arrive at Location from Service Center					
10/03/2011 03:00		Pre-Rig Up Safety Meeting					
10/03/2011 03:10		Rig-Up Equipment					
10/03/2011 08:45		Pre-Job Safety Meeting					
10/03/2011 09:05		Test Lines	2	2		5000.0	TEST LINES WITH FRESH WATER
10/03/2011 09:11		Pump Spacer	6	40		49.0	PUMP WATER SPACER @ 8.3 PPG
10/03/2011 09:19		Pump Lead Cement	6	172.4		316.0	PUMP 440 SKS OF ECONOCEM @ 12.5 PPG (172.4 BBL)
10/03/2011 09:42		Pump Tail Cement	6	276.9		480.0	PUMP 1065 SKS OF EXPANDACEM @ 14.6 PPG ( 276.9 BBL)
10/03/2011 10:34		Drop Top Plug	0	0		.0	PLUG LEFT CMT HEAD
10/03/2011 10:37		Pump Displacement	6			49.0	PUMP 200.9 BBL OF FRESH WATER FOR DISPLACEMENT
10/03/2011 11:10		Other	3	190		2800.0	SLOW RATE DOWN TO BUMP PLUG
10/03/2011 11:19		Bump Plug	3	198		3300.0	BUMP PLUG WITH 500 PSI OVER
10/03/2011 11:24		Release Casing Pressure	0	0		.0	RELEASE PSI
10/03/2011 11:29		Check Floats	0	0		.0	CHECK FLOATS HELD GOOD
10/03/2011 11:30		End Job					
10/03/2011 11:35		Pre-Rig Down Safety Meeting					
10/03/2011 11:45		Rig-Down Equipment					
10/03/2011 12:45		Depart Location Safety Meeting					
10/03/2011 13:00		Depart Location for Service Center or Other Site					

### The Road to Excellence Starts with Safety

<b>Sold To #:</b> 344659	<b>Ship To #:</b> 2879648	<b>Quote #:</b>	<b>Sales Order #:</b> 8518824
<b>Customer:</b> CHESAPEAKE OPERATING INC EBUSINESS		<b>Customer Rep:</b>	
<b>Well Name:</b> Hoff		<b>Well #:</b> 6-62 15-1H	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> GREELEY	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> CYCLONE		<b>Rig/Platform Name/Num:</b> Cyclone 26	
<b>Job Purpose:</b> Cement Production Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Casing	
<b>Sales Person:</b> FLING, MATTHEW		<b>Srvc Supervisor:</b> SALINAS, JOSE	<b>MBU ID Emp #:</b> 100319

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOETTIGER, MARK		500519	BOURGEOIS, KEVIN Paul		459092	DIRKS, RICHARD E		485940
MEADOWS, DANIEL Graham		500668	OTERI, VAUGHN Steeves		443828	PAUMEN, CORD Anthony		453759
SALINAS, JOSE R		100319						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025030	60 mile	10025042	60 mile	10246780C	60 mile	10679720C	60 mile
10804557C	60 mile	10824253C	60 mile	10866497C	60 mile	10988836C	60 mile
11338223	60 mile	11532299	60 mile	11532305	60 mile	11562562	60 mile
11605597	60 mile	11611896C	60 mile	11667703C	60 mile	11764739	60 mile

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>			Total is the sum of each column separately					

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Job Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	11650. ft	11650. ft				
							Wk Ht Above Floor			3. ft
								Deparated Loc	03 - Oct - 2011	13:00

### Job Times

Called Out	On Location	Job Started	Job Completed
02 - Oct - 2011 00:00 MST	03 - Oct - 2011 03:00 MST	03 - Oct - 2011 09:00 MST	03 - Oct - 2011 11:30 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
7 7/8" Open Hole				7.875				8000.	11650.	.	.
8 3/4" Open Hole				8.75				.	8000.	.	.
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	8000.	11650.	.	.
5 1/2" Production Casing	New		5.5	4.892	17.		P-110	.	8000.	.	.
9 5/8" Surface Casing	New		9.625	8.835	40.		J-55	.	1250.		

# HALLIBURTON

Sales/Rental/3 <sup>rd</sup> Party (HES)													
Description										Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,5-1/2 X 4-1/2 HWE,3.65MIN										1	EA		
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
Treatment Fld			Conc		Inhibitor			Conc		Sand Type			Size
Fluid Data													
Stage/Plug #: 1													
Fluid #	Stage Type		Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water					40.00	bbl	8.33	.0	.0	6.0		
2	Varicem 12#		VARICEM (TM) CEMENT (452009)			440.0	sacks	12.	2.2	12.27	6.0	12.27	
12.27 Gal			FRESH WATER										
3	Econocem B2 14.6#		EXPANDACEM (TM) SYSTEM (452979)			1065.0	sacks	14.6	1.46	6.1	6.0	6.1	
6.1 Gal			FRESH WATER										
4	Water Displacement					200.00	bbl	8.33			6.0		
Calculated Values			Pressures			Volumes							
Displacement			Shut In: Instant			Lost Returns			Cement Slurry			Pad	
Top Of Cement			5 Min			Cement Returns			Actual Displacement			Treatment	
Frac Gradient			15 Min			Spacers			Load and Breakdown			Total Job	
Rates													
Circulating			Mixing			Displacement			Avg. Job				
Cement Left In Pipe			Amount	84 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							