

# HALLIBURTON

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 344659	<b>Ship To #:</b> 2879648	<b>Quote #:</b>	<b>Sales Order #:</b> 8490716
<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> 05-123-32910
<b>Field:</b> WILD CAT	<b>City (SAP):</b> GREELEY	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> CYCLONE		<b>Rig/Platform Name/Num:</b> 26	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> FLING, MATTHEW		<b>Srv 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	LYNCH, JACK William		483039	OTERI, VAUGHN Steeves		443828
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
10822531C	60 mile	10977079C	60 mile	11526488	60 mile	11605597	60 mile
11667703C	60 mile	5707C	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	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	950. ft	950. ft				
							Wk Ht Above Floor			
						4. ft				

### Job Times

Date	Time	Time Zone
22 - Sep - 2011	17:00	MST
22 - Sep - 2011	20:30	MST
23 - Sep - 2011	01:42	MST
23 - Sep - 2011	02:29	MST
23 - Sep - 2011	03:30	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
Open Hole				8.75				.	950.		
Surface Casing	Unknow n		9.625	8.835	40.		N-80	.	950.		

### 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

# HALLIBURTON

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 Spacer		40.00	bbl	8.33	.0	.0	5.0		
2	Swiftcem Lead Cement	SWIFTCEM (TM) SYSTEM (452990)	185.0	sacks	12.	2.47	14.56	5.0	14.56	
	14.56 Gal	FRESH WATER								
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	105.0	sacks	13.	1.94	10.61	5.0	10.61	
	10.61 Gal	FRESH WATER								
4	Water Displacement			bbl	8.33	.0	.0	5.0		
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>						
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		
<b>Rates</b>										
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						