

# HALLIBURTON

## Cementing Job Summary

*The Road to Excellence Starts with Safety*

Sold To #: 344659	Ship To #: 2849776	Quote #:	Sales Order #: 8195667
Customer: CHESAPEAKE OPERATING INC EBUSINESS	Customer Rep: Coen, Craig		
Well Name: Wagner	Well #: 11-65 11-1H	API/UWI #: 05-123-33110	
Field:	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Legal Description: Section 11 Township 11N Range 65W			
Contractor: CYCLONE	Rig/Platform Name/Num: Cyclone26		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: COLLINS, JAMES	Srv Supervisor: ZACH, JOSHUA	MBU ID Emp #: 311112	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GAINES, ALBERT D	14	376241	IPSON, TIMOTHY John	6	485018	MAHONEY, KELLAN Carl	6	476531
RAMOS, IVHO Ramirez	6	422013	ZACH, JOSHUA James	14	311112			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025074	255 mile	10572220	255 mile	10822521	255 mile	10825410	255 mile
10866493C	255 mile	10925849	255 mile	11019275C	255 mile	11527037	255 mile
11645063	255 mile	5707C	255 mile	6224C	255 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/2/11	6	.5	6/3/11	8	6			
TOTAL			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	Called Out	On Location	Job Started	Job Completed	Departed Loc
				BHST	11859. ft	8091. ft	4. ft				02 - Jun - 2011	02 - Jun - 2011	03 - Jun - 2011	03 - Jun - 2011	03 - Jun - 2011
				235 degF							13:00	18:00	03:52	07:18	08:30
											MST	MST	MST	MST	MST

### Job Times

### 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				8439.	11859.	8109.	8091.
8 3/4" Open Hole				8.75				1000.	8439.	1000.	8109.
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	.	11859.	.	8091.
9 5/8" Surface Pipe	New		9.625	8.835	40.		J-55	.	1000.	.	1000.

### 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 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	.0	
2	Lead Cement	VARICEM (TM) CEMENT (452009)	1280.0	sacks	12.	2.2	12.2		12.2
	12.2 Gal	FRESH WATER							
3	Tail Cement	EXPANDACEM (TM) SYSTEM (452979)	1200.0	sacks	14.6	1.38	5.74		5.74
	5.74 Gal	FRESH WATER							
4	Water Displacement		184.00	bbl	8.33			.0	
Calculated Values		Pressures		Volumes					
Displacement	184.4	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement	0	5 Min		Cement Returns	76	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating	6	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		
The Information Stated Herein Is Correct				Customer Representative Signature					