

# HALLIBURTON

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 344659		<b>Ship To #:</b> 2878893		<b>Quote #:</b>		<b>Sales Order #:</b> 8513518	
<b>Customer:</b> CHESAPEAKE OPERATING INC EBUSINESS				<b>Customer Rep:</b> EMERSON, CHUCK			
<b>Well Name:</b> Girard			<b>Well #:</b> 2-63 11-1H			<b>API/UWI #:</b> 05-123-32961	
<b>Field:</b> WILDCAT		<b>City (SAP):</b> PLATTEVILLE		<b>County/Parish:</b> Weld		<b>State:</b> Colorado	
<b>Lat:</b> N 40.147 deg. OR N 40 deg. 8 min. 50.176 secs.				<b>Long:</b> W 104.402 deg. OR W -105 deg. 35 min. 51.425 secs.			
<b>Contractor:</b> SST			<b>Rig/Platform Name/Num:</b> #53				
<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> LAVALLEY, LARRY			<b>MBU ID Emp #:</b> 419296	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L		485204	FLYNN, SHAD Michael		476484	IPSON, TIMOTHY John		485018
LAVALLEY, LARRY P		419296	MILLER, GEOFFREY Alan		460232	PAUMEN, CORD Anthony		453759
RAMOS, REFUGIO Castro		435413	SANSONI, NICHOLAS Sterling J		502962			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10241536C	31 mile	10246780C	31 mile	10824253C	31 mile	10857012C	31 mile
10972458	31 mile	10982754C	31 mile	11338223	31 mile	11398319	31 mile
11488570C	31 mile	11518549	31 mile	11532299	31 mile	11532305	31 mile
11611898C	31 mile	11633848	31 mile	6224C	31 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

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

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To
				BHST	10140. ft				
					Job Depth TVD	10140. ft			
					Wk Ht Above Floor	6. ft			
							Deparated Loc	01 - Oct - 2011	11:30

### Job Times

Date	Time	Time Zone
30 - Sep - 2011	20:45	MST
01 - Oct - 2011	00:30	MST
01 - Oct - 2011	07:38	MST
01 - Oct - 2011	10:45	MST
01 - 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.	10217.	.	.
8 3/4" Open Hole				8.75				.	6728.	.	.
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	8000.	10140.	.	.
5 1/2" Production Casing	New		5.5	4.892	17.		P-110	.	5700.	.	.

# HALLIBURTON

Description	New / Used	Max pressure	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
9 5/8" Surface Casing	New		9.625	8.835	40.		J-55	.	800.		

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		50.00	bbl	.	.0	42.0	5.0		
2	Varicem 12#	VARICEM (TM) CEMENT (452009)	380.0	sacks	12.	2.2	12.27	6.0	12.27	
	12.27 Gal	FRESH WATER								
3	Econocem B2 14.6#	EXPANDACEM (TM) SYSTEM (452979)	1220.0	sacks	14.6	1.46	6.1	6.0	6.1	
	6.1 Gal	FRESH WATER								
4	Water Displacement		200.00	bbl	8.33			8.0		

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	88 ft	Reason	Shoe Joint					
Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID

The Information Stated Herein Is Correct	Customer Representative Signature
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