

# HALLIBURTON

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 344659		<b>Ship To #:</b> 2883498		<b>Quote #:</b>		<b>Sales Order #:</b> 8556315	
<b>Customer:</b> CHESAPEAKE OPERATING INC EBUSINESS				<b>Customer Rep:</b> Emerson, Chuck			
<b>Well Name:</b> State		<b>Well #:</b> 7-62-16 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> 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> WHEELER, JUSTIN			<b>MBU ID Emp #:</b> 196470		

Job Personnel								
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BIGGS, KENNETH Obrian		506350	CHAVEZ, JEROME Christophe		458298	KUNERT, RANDY Joe		477850
MARKOVICH, STEVEN Michael		502964	VIGIL, NICHOLAS		443481	WHEELER, JUSTIN W		196470

Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	58 mile	10824253C	58 mile	10948694	58 mile	11542778	58 mile
11764052	58 mile	11764737	58 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				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	19 - Oct - 2011	00:00	MST
Form Type	BHST			On Location	19 - Oct - 2011	16:00	MST
Job depth MD	10464. ft		Job Depth TVD	10464. ft	Job Started	19 - Oct - 2011	20:37 MST
Water Depth	Wk Ht Above Floor			Job Completed	19 - Oct - 2011	22:00	MST
Perforation Depth (MD)	From	To		Departed Loc	19 - Oct - 2011	23:00	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
6 1/8" Open Hole				6.125				6025.	10452.	.	.
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	.	10464.	.	.
7" Intermediate Casing	New		7.	6.366	23.		J-55	.	7000.		

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													
------------	--	--	--	--	--	--	--	--	--	--	--	--	--

# HALLIBURTON

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		20.00	bbl	.	.0	.0	.0		
2	EXPANDACEM B2	EXPANDACEM (TM) SYSTEM (452979)	420.0	sacks	14.6	1.46	6.1		6.1	
6.1 Gal		FRESH WATER								
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	87 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						