

# HALLIBURTON

## The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2876515	Quote #:	Sales Order #: 8448507
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: EMERSON, CHUCK	
Well Name: Hutchison		Well #: 2-9-67 1H	API/UWI #: 05-123-34079
Field: WILD CAT	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Contractor: SST		Rig/Platform Name/Num: 53	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: KELEHER, JASON	MBU ID Emp #: 437348

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
FANTASIA, JOSEPH Brandon		485445	KELEHER, JASON E		437348	MEADOWS, DANIEL		500668
OTERI, VAUGHN Steeves		443828	SINCLAIR, RICHARD		368195			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10829457	60 mile	11036295C	60 mile	11410470C	60 mile	11532305	60 mile
11633848	60 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					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type		BHST			On Location	03 - Sep - 2011	10:30	MST
Job depth MD	1432. ft	Job Depth TVD	1432. ft		Job Started	03 - Sep - 2011	17:19	MST
Water Depth		Wk Ht Above Floor			Job Completed	03 - Sep - 2011	18:26	MST
Perforation Depth (MD)	From	To			Departed Loc	03 - Sep - 2011	19:30	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				.	1517.		
Surface Casing	Unknown		9.625	8.835	40.		J-55	.	1432.		

### 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 Spacer		40.00	bbl	8.33	.0	.0	5.0		
2	Swiftcem Lead Cement	SWIFTCEM (TM) SYSTEM (452990)	260.0	sacks	12.	2.48	14.64	5.0	14.64	
	14.64 Gal	FRESH WATER								
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	135.0	sacks	13.	1.94	10.67	5.0	10.67	
	10.67 Gal	FRESH WATER								
4	Premium G 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		sacks	15.8	1.15	5.01		5.01	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	5.01 Gal	FRESH WATER								
5	Water Displacement		101.00	bbl	8.33	.0	.0	5.0		
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	90 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						