

# HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2889454	Quote #:	Sales Order #: 9050823
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep:	
Well Name: Sidwell	Well #: 32-10-66 1H	API/UWI #: 05-123-33550	
Field: WILD CAT	City (SAP): NUNN	County/Parish: Weld	State: Colorado
Contractor: ?		Rig/Platform Name/Num: .	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: ROSALES, MATTHEW	MBU ID Emp #: 392095

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE		372277	BARNES, BRIAN L		485204	PAUMEN, CORD Anthony		453759
ROSALES, MATTHEW John		392095						

### Equipment

HES Unit #	Distance-1 way						
10248053C	57 mile	11488570C	57 mile	11526488	57 mile	11605598	57 mile
5707C	57 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					11 - Nov - 2011	14:00	MST
Form Type			BHST	On Location	11 - Nov - 2011	17:30	MST
Job depth MD	1772. ft		Job Depth TVD	Job Started	11 - Nov - 2011	23:14	MST
Water Depth			Wk Ht Above Floor	Job Completed	12 - Nov - 2011	00:36	MST
Perforation Depth (MD)	From		To	Departed Loc	12 - Nov - 2011	02:00	MST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				12.25				.	1772.		
Surface Casing	Unknown		9.625	8.835	40.		N-80	.	1782.		

### 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)	335.0	sacks	12.	2.47	14.56		14.56	
	14.56 Gal	FRESH WATER								
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	170.0	sacks	13.	1.94	10.61		10.61	
	10.61 Gal	FRESH WATER								
4	Water Displacement			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	84 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						