

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2889455	Quote #:	Sales Order #: 9054521
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: ., DAVID	
Well Name: State		Well #: 16-10-66 1H	API/UWI #:
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: 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 #
BOETTIGER, MARK		500519	KELEHER, JASON E		437348	MARKOVICH, STEVEN Michael		502964
MILLER, GEOFFREY Alan		460232						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867419C	59 mile	11064046C	59 mile	11360865C	59 mile	11410470C	59 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	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	1955. ft	1955. ft				

Job Times

	Date	Time	Time Zone
Called Out	14 - Nov - 2011	10:00	MST
On Location	14 - Nov - 2011	13:00	MST
Job Started	14 - Nov - 2011	19:11	MST
Job Completed	14 - Nov - 2011	21:16	MST
Departed Loc	14 - Nov - 2011	22:00	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
Open Hole				12.25				.	1955.		
Surface Casing	Unknow n		9.625	8.835	40.		N-80	.	1955.		

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

HALLIBURTON

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /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)	187.0	sacks	12.	2.47	14.56		14.56
		14.56 Gal	FRESH WATER						
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	190.0	sacks	13.	1.94	10.61		10.61
		10.61 Gal	FRESH WATER						
4	Water Displacement		142.00	bbl	8.33	.0	.0	5.0	
Calculated Values		Pressures		Volumes					
<i>Displacement</i>		<i>Shut In: Instant</i>		<i>Lost Returns</i>		<i>Cement Slurry</i>		<i>Pad</i>	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>		Avg. Job			
<i>Cement Left In Pipe</i>		Amount	80 ft	<i>Reason</i>	Shoe Joint				
<i>Frac Ring # 1 @</i>	<i>ID</i>	<i>Frac ring # 2 @</i>	<i>ID</i>	<i>Frac Ring # 3 @</i>	<i>ID</i>	<i>Frac Ring # 4 @</i>	<i>ID</i>		
The Information Stated Herein Is Correct				Customer Representative Signature					