

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2889403	Quote #:	Sales Order #: 9044619
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: .., JAMES	
Well Name: State		Well #: 16-9-66 1H	API/UWI #: 05-123-31630
Field: WILD CAT	City (SAP): NUNN	County/Parish: Weld	State: Colorado
Lat: N 40.752 deg. OR N 40 deg. 45 min. 8.996 secs.		Long: W 104.784 deg. OR W -105 deg. 12 min. 57.168 secs.	
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: NIELSON, BRANDON	MBU ID Emp #: 479703

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
FLYNN, SHAD Michael		476484	IOERGER, TODD A		485941	NIELSON, BRANDON K		479703
STOEBER, KEITH A		486734						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	53 mile	10972458	53 mile	11410470C	53 mile	11526488	53 mile
5707C	53 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

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	1373. ft						09 - Nov - 2011	07:45	CST
						5. ft					09 - Nov - 2011	11:30	CST
											09 - Nov - 2011	15:26	CST
											09 - Nov - 2011	17:07	CST
											09 - Nov - 2011	18:00	CST

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				.	1370.		
Surface Casing	Unknown		9.625	8.835	40.		N-80	.	1373.3		

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 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)	260.0	sacks	12.	2.47	14.56	5.0	14.56	
	14.56 Gal	FRESH WATER								
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	140.0	sacks	13.	1.94	10.61	5.0	10.61	
	10.61 Gal	FRESH WATER								
4	Water Displacement		75.00	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	45 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						