

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2867306	Quote #:	Sales Order #: 8379256
Customer: CHESAPEAKE OPERATING INC EBUSINESS	Customer Rep: Coen, Craig		
Well Name: Hediger	Well #: 9-67 14-1H	API/UWI #: 05-123-33525	
Field:	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Contractor: CYCLONE	Rig/Platform Name/Num: Cyclone26		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: COLLINS, JAMES	Srv Supervisor: ZACH, JOSHUA	MBU ID Emp #: 311112	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOETTIGER, MARK	12	500519	IOERGER, TODD A	12	485941	MEYER, JOHN R	12	458774
ZACH, JOSHUA James	12	311112						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10714600C	210 mile	10829470	210 mile	11288860	210 mile	11532299	60 mile
11608503C	60 mile	11611896C	60 mile	11630991C	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/8/11	12	6						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	178 degF	07 - Aug - 2011	22:00	MST
Job depth MD	11598. ft		Job Depth TVD	7570. ft	08 - Aug - 2011	03:30	MST
Water Depth			Wk Ht Above Floor	11. ft	08 - Aug - 2011	10:43	MST
Perforation Depth (MD)	From		To	Job Completed	08 - Aug - 2011	13:47	MST
				Departed Loc	08 - Aug - 2011	15:30	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
7 7/8" Open Hole				7.875				7852.	11598.		
8 3/4" Open Hole				8.75				1000.	7852.		
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	6958.	11598.	6958.	7570.
5 1/2" Production Casing	New		5.5	4.892	17.		P-110	.	6958.		
9 5/8" Surface Casing	New		9.625	8.835	40.		J-55	.	1000.		

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	

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Fluid Data									
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		40.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	555.0	sacks	12.	2.19	12.24		12.24
		12.24 Gal FRESH WATER							
3	Tail Cement	EXPANDACEM (TM) SYSTEM (452979)	1115.0	sacks	14.6	1.46	6.1		6.1
		6.1 Gal FRESH WATER							
4	Water Displacement		233.00	bbl	8.33			.0	
Calculated Values		Pressures		Volumes					
Displacement	233	Shut In: Instant		Lost Returns	no	Cement Slurry		Pad	
Top Of Cement	1347	5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating	6	Mixing	5.5	Displacement	6	Avg. Job	5.5		
Cement Left In Pipe	Amount	80 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					