

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659		Ship To #: 2875796		Quote #:		Sales Order #: 8447416	
Customer: CHESAPEAKE OPERATING INC EBUSINESS				Customer Rep:			
Well Name: Eichheim			Well #: 18-9-66 1H			API/UWI #: 05-123-34080	
Field: WILD CAT		City (SAP): GREELEY		County/Parish: Weld		State: Colorado	
Contractor: Cyclone			Rig/Platform Name/Num: 26				
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 #
BARRAS, JOSEPH Corey		405168	BULINSKI, MATTHEW J		483865	IPSON, TIMOTHY John		485018
ROSALES, MATTHEW John		392095	VIGIL, NICHOLAS		443481			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	55 mile	10988836C	55 mile	11362287C	55 mile	11527037	55 mile
11605598	55 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							
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Job

Formation Name					Job Times			
Formation Depth (MD)	Top		Bottom		Called Out	03 - Sep - 2011	11:30	MST
Form Type		BHST			On Location	03 - Sep - 2011	14:30	MST
Job depth MD	1155. ft	Job Depth TVD	1155. ft		Job Started	03 - Sep - 2011	19:10	MST
Water Depth		Wk Ht Above Floor			Job Completed	03 - Sep - 2011	20:18	MST
Perforation Depth (MD)	From		To		Departed Loc	03 - Sep - 2011	21:00	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				.	1155.		
Surface Casing	Unknown		9.625	8.835	40.		N-80	.	1150.		

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)	210.0	sacks	12.	2.47	14.56	5.0	14.56	
	14.56 Gal	FRESH WATER								
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	13.	1.94	10.61	5.0	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	138 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						