

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2842605	Quote #:	Sales Order #: 8066102
Customer: CHESAPEAKE OPERATING INC EBUSINESS	Customer Rep: c, Ben		
Well Name: State	Well #: 10-67 28-1H	API/UWI #: 05-123-32368	
Field:	City (SAP): CARR	County/Parish: Weld	State: Colorado
Legal Description: Section 28 Township 10N Range 67W			
Contractor: Cylcone Drilling	Rig/Platform Name/Num: Rig 11		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: COLLINS, JAMES	Srvc 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 #
FANTASIA, JOSEPH Brandon	19	485445	GAINES, ALBERT D	19	376241	HALE, ROBERT E	19	470588
HERNDON, SCOTT E	19	485448	POVEY, BENJAMIN J	19	489825	SINCLAIR, RICHARD	19	368195
VIGIL, NICHOLAS	19	443481	ZACH, JOSHUA James	19	311112			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10572220	255 mile	10822521	255 mile	10825410	255 mile	10925849	255 mile
11036295C	255 mile	11515108C	255 mile	11515861C	255 mile	11532299	255 mile
11562570C	255 mile	11611896C	255 mile	11611900C	255 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/1/11	5	0	4/2/11	16	6			

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	01 - Apr - 2011	15:00	MST
Form Type	BHST	236 degF	Job Started	01 - Apr - 2011	19:00	MST
Job depth MD	12013. ft	Job Depth TVD	Job Completed	02 - Apr - 2011	12:30	MST
Water Depth		Wk Ht Above Floor	Job Completed	02 - Apr - 2011	15:09	MST
Perforation Depth (MD)	From	To	Departed Loc	02 - Apr - 2011	16:30	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 Section				7.875				8214.	12013.	7877.	7810.
8 3/4" Open Hole Section				8.75				1200.	8214.	1200.	7877.
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	0	12013.	0	7810.
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	0	1200.	0	1200.

HALLIBURTON

Cementing Job Summary

Tools and Accessories																															
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make																		
Guide Shoe					Packer					Top Plug	4.5	1	HES																		
Float Shoe					Bridge Plug					Bottom Plug	4.5	1	HES																		
Float Collar					Retainer					SSR plug set																					
Insert Float										Plug Container	4.5	1	HES																		
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																															
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk																				
1	Spacer	Fresh Water			40.00	bbl	8.33																								
2	Lead Cement	VARICEM B2			800.0	sacks	12.	2.16	12.02		12.02																				
3	Tail Cement	EXPANDACEM B1			1070.0	sacks	14.6	1.49	6.25		6.25																				
4	Displacement	Fresh Water			184.00	bbl	8.33																								
Calculated Values				Pressures				Volumes																							
Displacement		184.1		Shut In: Instant				Lost Returns		NO		Cement Slurry		592		Pad															
Top Of Cement		1804		5 Min				Cement Returns		0		Actual Displacement		184		Treatment															
Frac Gradient				15 Min				Spacers		40		Load and Breakdown				Total Job		816													
Rates																															
Circulating				6				Mixing				6.5				Displacement				7.5				Avg. Job				6			
Cement Left In Pipe				Amount				87 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																			