

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2863454	Quote #:	Sales Order #: 8326541
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: Ajijolaiya, Yemi	
Well Name: State		Well #: 9-66 36-1H	API/UWI #: 05-123-31447
Field:	City (SAP): CARR	County/Parish: Weld	State: Colorado
Contractor: Cylcone Drilling		Rig/Platform Name/Num: Rig 11	
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well		Job Type: Plug Service - Whipstock	
Sales Person: COLLINS, JAMES		Srvc Supervisor: WALL, KENNETH	MBU ID Emp #: 340587

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
APPEL, JASON L	10	492704	ASIRE, JAMES M	10	338832	BALDEZ, ALLBERT	10	495552
SINGH, JARNAIL	10	473131	WALL, KENNETH W	10	340587			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10243547	210 mile	10590321	210 mile	10822521	210 mile	10822539	210 mile
10825410	210 mile	10866474	210 mile	10866489	210 mile	10951202	210 mile
11633127	210 mile	11644699	210 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/18/11	10	7						

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	On Location	17 - Jul - 2011	23:00	MST
Job depth MD	7900. ft		183 degF	Job Started	18 - Jul - 2011	05:00	MST
Water Depth			7900. ft	Job Completed	18 - Jul - 2011	09:22	MST
Perforation Depth (MD)	From	To		Job Completed	18 - Jul - 2011	13:39	MST
				Departed Loc	18 - Jul - 2011	15:00	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
8 3/4" Open Hole Section				8.75				1020.	7922.		
9 5/8" Surface Casing	New		9.625	8.835	40.		J-55	0	1020.		
4 1/2" Drill Pipe	Used		4.5	3.826	16.6		E	0	7150.		
3 1/2" Tubing	Used		3.5	2.992	9.2		J-55	7150.	7922.		

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Spacer	Fresh Water	23.00	bbl	8.33				
2	Plug Cement	HALCEM C1	260.0	sacks	15.8	1.15	4.97		4.97
0.2 %		CFR-3							
0.15 %		HR-5							
3	Displacement	Fresh Water	6.00	bbl	8.33				
4	Displacement	WBM	95.00	bbl	9.5				
5	Spacer	Fresh Water	23.00	bbl	8.33				
6	Plug Cement	PLUGCEM C1	320.0	sacks	17.5	.94	3.31		3.31
0.15 %		HR-5							
7	Displacement	Fresh Water	6.00	bbl	8.33				
8	Displacement	WBM	85.00	bbl	9.5				
Calculated Values		Pressures		Volumes					
Displacement	101/91	Shut In: Instant		Lost Returns	No	Cement Slurry	53/54	Pad	
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	101/91	Treatment	
Frac Gradient		15 Min		Spacers	46	Load and Breakdown		Total Job	345
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	0 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					