

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2867306	Quote #:	Sales Order #: 8343436
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: Cylcone Drilling	Rig/Platform Name/Num: Rig 26		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: COLLINS, JAMES	Srv Supervisor: JANOUSEK, THOMAS	MBU ID Emp #: 402433	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	7	372277	BRICKER, DANIEL Z	7	475710	BROWN, ROBERT Paul	10	489399
JANOUSEK, THOMAS D	10	402433	Nicholls, Corey	10	499395			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025030	210 mile	10572220	210 mile	10623573C	210 mile	10822009	210 mile
10925849	210 mile	11036301	210 mile	11338223	210 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
07/24/11	9	1	07/25/11	1				

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	24 - Jul - 2011	08:00	MST
Form Type	BHST	90 degF	Job Started	24 - Jul - 2011	15:00	MST
Job depth MD	1000. ft	Job Depth TVD	Job Completed	24 - Jul - 2011	22:01	MST
Water Depth		Wk Ht Above Floor	Departed Loc	24 - Jul - 2011	22:57	MST
Perforation Depth (MD)	From	To		25 - Jul - 2011	00:45	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
12 1/4" Open Hole				12.25					1000.		
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 Ahead		40.00	bbl	8.33	.0	.0	.0	
2	SWIFTCEM	SWIFTCEM (TM) SYSTEM (452990)	195.0	sacks	12.	2.47	14.62		14.62
	14.62 Gal	FRESH WATER							
3	SWIFTCEM	SWIFTCEM (TM) SYSTEM (452990)	110.0	sacks	13.	1.94	10.66		10.66
	10.66 Gal	FRESH WATER							
4	Water Displacement		83.00	bbl	8.33	.0	.0	.0	
5	Premium Top Out	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		sacks	15.8	1.17	5.02		5.02
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	5.02 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	83	Shut In: Instant		Lost Returns	NO	Cement Slurry	124	Pad	
Top Of Cement	0	5 Min		Cement Returns	38	Actual Displacement	83	Treatment	
Frac Gradient		15 Min		Spacers	4	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					