

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344659		Ship To #: 2837390		Quote #:		Sales Order #: 7995383	
Customer: CHESAPEAKE OPERATING INC EBUSINESS				Customer Rep: HARRIS, CHRIS			
Well Name: State			Well #: 8-60 16-1H			API/UWI #: 05-123-32812	
Field: WATTENBERG		City (SAP): NEW RAYMER		County/Parish: Weld		State: Colorado	
Contractor: DHS			Rig/Platform Name/Num: DHS 19				
Job Purpose: Cement Intermediate Casing							
Well Type: Development Well				Job Type: Cement Intermediate Casing			
Sales Person: FLING, MATTHEW			Srvs Supervisor: COLLINS, IRVIN			MBU ID Emp #: 401749	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COLLINS, IRVIN Douglas		401749	DIRKS, RICHARD E		485940	KUNERT, RANDY Joe		477850
MILLER, GEOFFREY Alan		460232	OTERI, VAUGHN Steeves		443828	SIPNEFSKI, ROBERT Anthony		419391
STOEBER, KEITH A		486734	WHITE, SANDY Lynn		490476			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	80 mile	10972458	80 mile	11019275C	80 mile	11142998	80 mile
11341988C	80 mile	5707C	80 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					

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	25 - Feb - 2011	03:30	MST
Form Type		BHST	On Location	25 - Feb - 2011	08:30	MST
Job depth MD	6515. ft	Job Depth TVD	Job Started	26 - Feb - 2011	13:31	MST
Water Depth		Wk Ht Above Floor	Job Completed	26 - Feb - 2011	15:18	MST
Perforation Depth (MD)	From	To	Departed Loc	26 - Feb - 2011	17:00	MST

Job Times

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				1054.	6525.	.	.
Intermediate Casing	Unknow n		7.	6.276	26.		L-80		6515.	.	.
Surface Casing	Unknow n		9.625	8.835	40.		J-55		1054.	.	.

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

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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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		10.00	bbl	8.33	.0	.0	5.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	30.00	bbl	8.33	.0	.0	5.0	
3	Water Spacer		10.00	bbl	8.33	.0	.0	.0	
4	VariCem B2 12.0#	VARICEM (TM) CEMENT (452009)	395.0	sacks	12.	2.13	11.33	5.0	11.33
		11.33 Gal	FRESH WATER						
5	Halcem 15.8#	HALCEM (TM) SYSTEM (452986)	270.0	sacks	15.8	1.15	4.93	5.0	4.93
		4.93 Gal	FRESH WATER						
6	DISPLACEMENT		246.00	bbl	.	.0	.0	.0	
7	Varicem B2 12#	VARICEM (TM) CEMENT (452009)		sacks	12.	2.13	11.33		11.33
		11.33 Gal	FRESH WATER						
8	Halcem 15.8#	HALCEM (TM) SYSTEM (452986)		sacks	15.8	1.15	4.93		4.93
		4.93 Gal	FRESH WATER						

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	64.25 ft	Reason	Shoe Joint			
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 4 @	ID

The Information Stated Herein Is Correct	Customer Representative Signature
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