

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2837390	Quote #:	Sales Order #: 8015817
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep:	
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 Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: FLING, MATTHEW		Srvc Supervisor: SANFORD, DALE	MBU ID Emp #: 219527

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AARON, WESLEY J		403606	BRICKER, DANIEL Z		475710	BULINSKI, MATTHEW J		483865
GIBBS, JASON Edwin		300487	IOERGER, TODD A		485941	OLSON, NICHOLAS Martin		470709
PAUMEN, CORD Anthony		453759	SANFORD, DALE A		219527	THOMAS, STEPHEN Troy		490352

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10246780C	85 mile	11360865C	85 mile	11488570C	85 mile	11518550	85 mile
11542778	85 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

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	10080. ft		BHST	On Location	05 - Mar - 2011	12:00	MST
Job depth MD			Job Depth TVD	Job Started	05 - Mar - 2011	17:00	MST
Water Depth			Wk Ht Above Floor	Job Completed	06 - Mar - 2011	01:57	MST
Perforation Depth (MD)	From	To		Job Completed	06 - Mar - 2011	07:17	MST
				Departed Loc	06 - Mar - 2011	08:30	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
Open Hole								6515.	10080.		
Intermediate Casing	Unknown		7.	6.276	26.		L-80		6515.		
Liner Casing	Unknown		4.5	4.	11.6		J-55	5673.	10063.		
Surface Casing	Unknown		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			

HALLIBURTON

Stage Tool										Centralizers				
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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	Water Spacer		20.00	bbl	8.33	.0	.0	5.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	0.00	bbl	8.33	.0	.0	5.0	
3	Expandacem B2 13.8#	EXPANDACEM (TM) SYSTEM (452979)	325.0	sacks	13.8	1.68	7.75	5.0	7.75
7.75 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	84 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									
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