

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2879325	Quote #:	Sales Order #: 8482688
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep:	
Well Name: Lindstrom		Well #: 24-8-67 1H	API/UWI #:
Field: WILD CAT	City (SAP): NUNN	County/Parish: Weld	State: Colorado
Contractor: Cyclone		Rig/Platform Name/Num: 11	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: SIPNEFSKI, ROBERT	MBU ID Emp #: 419391

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HALE, ROBERT E		470588	SINCLAIR, RICHARD		368195	SIPNEFSKI, ROBERT Anthony		419391
VIGIL, NICHOLAS		443481	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
10822531C	53 mile	10829457	53 mile	10951208	53 mile	10977079C	53 mile
11019824C	53 mile	11341988C	53 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							
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Job

Formation Name					Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom		Called Out	21 - Sep - 2011	06:00	MST
Form Type			BHST		On Location	21 - Sep - 2011	10:00	MST
Job depth MD	1625. ft		Job Depth TVD	1625. ft	Job Started	21 - Sep - 2011	12:48	MST
Water Depth			Wk Ht Above Floor	4. ft	Job Completed	21 - Sep - 2011	14:43	MST
Perforation Depth (MD)	From		To		Departed Loc	21 - Sep - 2011	16:00	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
Open Hole				8.75				.	1625.		
Surface Casing	Unknown		9.625	8.835	40.		J-55	.	1625.		

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	

Fluid Data

Stage/Plug #: 1

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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		40.00	bbl	8.33	.0	.0	5.0	
2	Swiftcem Lead Cement	SWIFTCEM (TM) SYSTEM (452990)	310.0	sacks	12.	2.48	14.64	5.0	14.64
	14.64 Gal	FRESH WATER							
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	160.0	sacks	13.	1.94	10.67	5.0	10.67
	10.67 Gal	FRESH WATER							
4	15.8# Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	200.0	sacks	15.8	1.15	5.01	5.0	5.01
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	5.01 Gal	FRESH WATER							
5	Water Displacement		0.00	bbl	8.33	.0	.0	5.0	
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	42 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					