

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344659		Ship To #: 2871267		Quote #:		Sales Order #: 8395888	
Customer: CHESAPEAKE OPERATING INC EBUSINESS				Customer Rep:			
Well Name: Loveland			Well #: 12-9-67 1H			API/UWI #: 05-123-34046	
Field: WILD CAT		City (SAP): GREELEY		County/Parish: Weld		State: Colorado	
Lat: N 40.755 deg. OR N 40 deg. 45 min. 18.709 secs.				Long: W 104.842 deg. OR W -105 deg. 9 min. 29.743 secs.			
Contractor: Cyclone			Rig/Platform Name/Num: 26				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: FLING, MATTHEW			Srvc Supervisor: HUGHES, ERVIN			MBU ID Emp #: 100271	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HUGHES, ERVIN Wayne		100271	LYNCH, JACK William		483039	MILLER, GEOFFREY Alan		460232
PAUMEN, CORD Anthony		453759	STOEGER, KEITH A		486734			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	55 mile	10824253C	55 mile	10857012C	55 mile	10972458	55 mile
11362287C	55 mile	11605599	55 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				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom	Called Out	14 - Aug - 2011	06:00	MST
Form Type	BHST			On Location	14 - Aug - 2011	11:00	MST
Job depth MD	1271. ft	Job Depth TVD	1271. ft	Job Started	14 - Aug - 2011	15:30	MST
Water Depth	Wk Ht Above Floor			Job Completed	14 - Aug - 2011	17:30	MST
Perforation Depth (MD)	From		To	Departed Loc	14 - Aug - 2011	18:30	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				12.25				.	1275.		
Surface Casing	Unknown		9.625	8.835	40.		J-55	.	1271.		

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 Spacer		50.00	bbl	8.33	.0	.0	5.0	
2	Swiftcem Lead Cement	SWIFTCEM (TM) SYSTEM (452990)	230.0	sacks	12.	2.47	14.56	5.0	14.56
2 lbm		ENHANCER 923, BULK (101894003)							
14.56 Gal		FRESH WATER							
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	110.0	sacks	13.	1.94	10.61		10.61
10.61 Gal		FRESH WATER							
4	15.8# Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	50.0	sacks	15.8	1.17	5.02	3.0	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							
5	Water Displacement		90.00	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	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					