

The Road to Excellence Starts with Safety

Sold To #: 344659		Ship To #: 2899153		Quote #:		Sales Order #: 9215135	
Customer: CHESAPEAKE OPERATING INC EBUSINESS				Customer Rep: EMERSON, CHUCK			
Well Name: State			Well #: 8-60 16-2H			API/UWI #:	
Field:		City (SAP): NEW RAYMER		County/Parish: Weld			State: Colorado
Contractor: SST			Rig/Platform Name/Num: 53				
Job Purpose: Cement Production Casing							
Well Type: Development Well			Job Type: Cement Production Casing				
Sales Person: FLING, MATTHEW			Srvc Supervisor: KELEHER, JASON			MBU ID Emp #: 437348	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L	11.0	485204	BOETTIGER, MARK	7.0	500519	DIRKS, RICHARD E	11.0	485940
KELEHER, JASON E	7.0	437348	MARKOVICH, STEVEN Michael	7.0	502964	MILLER, GEOFFREY Alan	7.0	460232
RAMOS, REFUGIO Castro	13.5	435413	SINCLAIR, RICHARD	7.0	368195			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10241536C	74 mile	10248062C	74 mile	10547939	74 mile	11036301	74 mile
11410470C	74 mile	11497454C	74 mile	11515108C	74 mile	11518548	74 mile
11526488	74 mile	11608477	74 mile	11611896C	74 mile	11611900C	74 mile
11630991C	74 mile	11633848	74 mile	11645065	74 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	Form Type	Job depth MD	Job Depth TVD	Water Depth	Wk Ht Above Floor	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	10309. ft	10309. ft							18 - Jan - 2012	14:30	MST
												On Location	18 - Jan - 2012	18:30	MST
												Job Started	18 - Jan - 2012	22:19	MST
												Job Completed	19 - Jan - 2012	00:36	MST
												Departed Loc	19 - Jan - 2012	01:30	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				8.75				1111.	10309.	.	.
Production Casing	New		4.5	4.	11.6		P-110	5657.	10309.	.	.
Production Casing	Unknown		5.5	4.892	17.		P-110	.	5657.	.	.
Surface Casing	New		9.625	8.835	40.		J-55	.	1111.		

HALLIBURTON

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													
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				40.00	bbl	8.33	.0	.0	.0			
2	Varicem 12.0#	VARICEM (TM) CEMENT (452009)			380.0	sacks	12.	2.2	12.27	5.0	12.27		
		12.27 Gal			FRESH WATER								
3	EXPANDACEM B2	EXPANDACEM (TM) SYSTEM (452979)			1275.0	sacks	14.6	1.46	6.1	5.0	6.1		
		6.1 Gal			FRESH WATER								
Calculated Values				Pressures				Volumes					
Displacement				Shut In: Instant				Lost Returns				Cement Slurry	
Top Of Cement				5 Min				Cement Returns				Actual Displacement	
Frac Gradient				15 Min				Spacers				Load and Breakdown	
												Total Job	
Rates													
Circulating				Mixing				Displacement				Avg. Job	
Cement Left In Pipe		Amount		93 ft		Reason		Shoe Joint					
Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @	
The Information Stated Herein Is Correct								Customer Representative Signature					