

## The Road to Excellence Starts with Safety

Sold To #: 306023	Ship To #: 2978825	Quote #:	Sales Order #: 900194110
Customer: TOP OPERATING COMPANY	Customer Rep:		
Well Name: Kintz	Well #: 2	API/UWI #: 123-36621-00	
Field:	City (SAP): MEAD	County/Parish: Weld	State: Colorado
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: PLIENESS, RYAN	Srvc Supervisor: CLEMONS, WILLIAM	MBU ID Emp #: 407973	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURGESS, CODY Alan	8	511446	CLEMONS, WILLIAM Edward	8	407973	DIRKS, RICHARD E	8	485940
HINKLE, BRADLEY Dean	8	512123						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10822531C	27 mile	10857080C	27 mile	12010173	27 mile	11362287C	27 mile
11633846C	27 mile	11633848	27 mile				

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
02/03/2013	6	1	02/04/2013	2	2			
TOTAL		Total is the sum of each column separately						

## Job

Formation Name	Job	Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom	Called Out	03 - Feb - 2013 13:00 MST
Form Type	BHST	On Location	03 - Feb - 2013 17:00 MST	
Job depth MD	7988. ft	Job Depth TVD	03 - Feb - 2013 23:00 MST	
Water Depth	Wk Ht Above Floor	4. ft	Job Completed	04 - Feb - 2013 02:00 MST
Perforation Depth (MD)	From	To	Departed Loc	04 - Feb - 2013 00:00 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				7.875				400.	8450.		
Production Casing	Unknown		4.5	4.	11.6				8450.		
Surface Casing	Unknown		8.625	8.097	24.				400.		

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	4 1/2	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	4 1/2	1	HES
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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Stage/Plug #: 1

Summit Version: 7.3.0076

Monday, February 04, 2013 02:18:00

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4	.0	.0	.0		
2	Econocem B2 12.5#	ECONOCHEM (TM) SYSTEM (452992)	500.0	sacks	12.5	1.97	10.7		10.7	
	10.703 Gal	FRESH WATER								
3	FracCem	FRACCEM (TM) SYSTEM (452963)	150.0	sacks	13.5	1.83	8.67		8.67	
Calculated Values			Pressures			Volumes				
Displacement	124	Shut In: Instant		Lost Returns	N/A	Cement Slurry	223	Pad		
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	124	Treatment		
Frac Gradient		15 Min		Spacers	24	Load and Breakdown		Total Job	371	
Rates										
Circulating	9	Mixing	6	Displacement	8	Avg. Job	6			
Cement Left In Pipe	Amount	15 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						