

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 3639426		Quote #: 0021982827		Sales Order #: 0902012687				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: CHUCK EMERSON						
Well Name: Best		Well #: 01		API/UWI #:						
Field:		City (SAP): RAYMER		County/Parish: WELD		State: COLORADO				
Legal Description:										
Contractor:				Rig/Platform Name/Num: Workover						
Job BOM: 7528										
Well Type: GAS										
Sales Person: HALAMERICA\HB45834				Srv Supervisor: Aaron Smith						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST		150 degF				
Job depth MD		3000ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor						
Perforation Depth (MD)		From		To						
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36			0	386		
Tubing		2.875	2.441	6.5			0	3000		
Open Hole Section			6.25				386	3000		
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	2.875			3000		Top Plug	2.875		HES	
Float Shoe	2.875					Bottom Plug	2.875		HES	
Float Collar	2.875					SSR plug set	2.875		HES	
Insert Float	2.875					Plug Container	2.875		HES	
Stage Tool	2.875					Centralizers	2.875		HES	
Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name		Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	HalCem	PLUGCEM (TM) SYSTEM		100	sack	15.8	1.15		2	5
5 Gal		FRESH WATER								

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	HalCem	HALCEM (TM) SYSTEM	400	sack	15.86	1.15		2	5
1 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
5 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Water	Water	20	bbl	8.34				
Cement Left In Pipe		Amount	ft	Reason				Shoe Joint	
Mix Water:		pH ##	Mix Water:## ppm		Mix Water Temperature:## °F °C				
			Chloride:						
Cement Temperature:## °F °C		Plug Displaced by:## lb/gal kg/m <sup>3</sup> XXXX				Disp. Temperature:## °F °C			
Plug Bumped? Yes/No		Bump Pressure:#### psi MPa				Floats Held? Yes/No			
Cement Returns:## bbl m <sup>3</sup>		Returns Density:## lb/gal kg/m <sup>3</sup>				Returns Temperature:## °F °C			
Comment									