

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2551781		Quote #:		Sales Order #: 0904862849	
Customer: NOBLE ENERGY INC-EBUS				Customer Rep: Tom Dunn			
Well Name: Larson USX			Well #: AA19-5			API/UWI #: 05-123-74331	
Field:		City (SAP): LUCERNE		County/Parish: WELD			State: COLORADO
Legal Description:							
Contractor:				Rig/Platform Name/Num:			
Job BOM: 7528 7528							
Well Type: GAS							
Sales Person: HALAMERICA\HB70026				Srvc Supervisor: James Bunnell			
Job							

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
Tubing		2.375	1.995	4.6			0	2500		0
Casing		4.5	4	11.6			0	6524		0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	2.375			2500		Top Plug	2.375		HES
Float Shoe	2.375					Bottom Plug	2.375		HES
Float Collar	2.375					SSR plug set	2.375		HES
Insert Float	2.375					Plug Container	2.375		HES
Stage Tool	2.375					Centralizers	2.375		HES

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	CIBP Plug	HALCEM (TM) SYSTEM	20	sack	15.8	1.51		2	6.21	
	0.35 %	HR-5, 50 LB SK (100005050)								
	0.05 %	SA-1015, 50 LB SACK (102077046)								
	35 %	SS-200 - BULK (102240841)								
	6.21 Gal	FRESH WATER								

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	
2	HalCem	HALCEM (TM) SYSTEM	55	sack	15.8	1.15			5	
	5 Gal	FRESH WATER								

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	HalCem	HALCEM (TM) SYSTEM	25	sack	15.8	1.15			5
5 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	HalCem	HALCEM (TM) SYSTEM	390	sack	15.8	1.15			5
5 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
5	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4				
42 gal/bbl		FRESH WATER							