

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3654318	Quote #:	Sales Order #: 0902451529
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep:	
Well Name: WELLS RANCH	Well #: AA11-637	API/UWI #: 05-123-41253-00	
Field: WATTENBERG	City (SAP): BRIGGS DALE	County/Parish: WELD	State: COLORADO
Legal Description: NE SE-11-6N-63W-1747FSL-215FEL			
Contractor: H & P DRLG		Rig/Platform Name/Num: H & P 326	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB45834		Srv Supervisor:	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST 128 degF
Job depth MD	1851ft Job Depth TVD
Water Depth	Wk Ht Above Floor 5
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		16	15.376	55			0	110	0	0
Casing		9.625	8.921	36	LTC	J-55	0	1851	0	0
Open Hole Section			13.5				110	1861	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625			1851		Top Plug	9.625		HES
Float Shoe	9.625					Bottom Plug	9.625		HES
Float Collar	9.625					SSR plug set	9.625		HES
Insert Float	9.625					Plug Container	9.625		HES
Stage Tool	9.625					Centralizers	9.625		HES

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/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Water	Water	50	bbl	8.33			5		
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	SwiftCem B1	SWIFTCEM (TM) SYSTEM	476	sack	13	2.01	11.01	7	11.01
11.01 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
3	SwiftCem B1	SWIFTCEM (TM) SYSTEM	100	sack	14.2	1.53	7.63	6	7.63
7.63 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
4	Water Based Mud-8.5 #/gal	DISPLACEMENT	140	bbl	8.9			6	
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint	
Comment APPROX 20 BBLS CEMENT TO SURFACE									