

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 345242		<b>Ship To #:</b> 3624286		<b>Quote #:</b>		<b>Sales Order #:</b> 0902820757					
<b>Customer:</b> NOBLE ENERGY INC E-BUSINESS				<b>Customer Rep:</b> JIM TURNER							
<b>Well Name:</b> MOSER			<b>Well #:</b> H34-750		<b>API/UWI #:</b> 05-123-40618-00						
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> HUDSON		<b>County/Parish:</b> WELD		<b>State:</b> COLORADO					
<b>Legal Description:</b> SE SW-22-3N-65W-400FSL-2221FWL											
<b>Contractor:</b> H & P DRLG				<b>Rig/Platform Name/Num:</b> H & P 321							
<b>Job BOM:</b> 7521											
<b>Well Type:</b> HORIZONTAL OIL											
<b>Sales Person:</b> HALAMERICA\HB45834				<b>Srv Supervisor:</b> Aaron Smith							
<b>Job</b>											
<b>Formation Name</b>											
<b>Formation Depth (MD)</b>		<b>Top</b>		<b>Bottom</b>							
<b>Form Type</b>				<b>BHST</b>		128 degF					
<b>Job depth MD</b>		1889ft		<b>Job Depth TVD</b>		1889					
<b>Water Depth</b>				<b>Wk Ht Above Floor</b>		5					
<b>Perforation Depth (MD)</b>		<b>From</b>		<b>To</b>							
<b>Well Data</b>											
<b>Description</b>	<b>New / Used</b>	<b>Size in</b>	<b>ID in</b>	<b>Weight lbm/ft</b>	<b>Thread</b>	<b>Grade</b>	<b>Top MD ft</b>	<b>Bottom MD ft</b>	<b>Top TVD ft</b>	<b>Bottom TVD ft</b>	
Casing	3	16	15.376	55			0	124	0	124	
Casing	0	9.625	8.921	36	LTC	J-55	0	1879	0	1879	
Open Hole Section			13.5				124	1889	124	1889	
<b>Tools and Accessories</b>											
<b>Type</b>	<b>Size in</b>	<b>Qty</b>	<b>Make</b>	<b>Depth ft</b>		<b>Type</b>	<b>Size in</b>	<b>Qty</b>	<b>Make</b>		
Guide Shoe	9.625					Top Plug	9.625	1	HES		
Float Shoe	9.625	1	SSII	1879		Bottom Plug	9.625	1	HES		
Float Collar	9.625	1	SSII	1835		SSR plug set	9.625		HES		
Insert Float	9.625					Plug Container	9.625	1	HES		
Stage Tool	9.625					Centralizers	9.625	21	HES		
<b>Fluid Data</b>											
<b>Stage/Plug #: 1</b>											
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>			<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/min</b>	<b>Total Mix Fluid Gal</b>
1	Water	Water			50	bbl	8.34				

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	560	sack	13.5	1.74		5	9.2
9.20 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	75	sack	14.2	1.53		5	7.65
7.65 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		142	bbl	8.5			5	
Cement Left In Pipe		Amount	45 ft		Reason			Shoe Joint	
Comment 20 BBLS CEMENT TO SURFACE									

## 2.0 Real-Time Job Summary

## 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Comments
Event	1	Call Out	Call Out	10/12/2015	02:00:00	USER				FOR ON LOCATION @ 0800
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	10/12/2015	05:30:00	USER				JOURNEY MANAGMENT MEETING HELD PRIOR TO DEPARTURE
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	10/12/2015	06:45:00	USER				RIG WAS RIGGING UP TO RUN CASING
Event	4	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	10/12/2015	11:00:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-UP
Event	5	Rig-Up Equipment	Rig-Up Equipment	10/12/2015	11:15:00	USER				RIG-UP ALL SURFACE LINES AND EQUIPMENT
Event	6	Rig-Up Completed	Rig-Up Completed	10/12/2015	12:00:00	USER				SAFELY WITHOUT INCIDENT
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	10/12/2015	13:00:00	USER				WITH CUSTOMER REP AND RIG CREW
Event	8	Start Job	Start Job	10/12/2015	13:36:34	COM4				WITH WATER SUPPLIED FROM FRAC TANK, WATER TESTED GOOD TO MIX CEMENT
Event	9	Test Lines	Test Lines	10/12/2015	13:38:47	COM4	0.00	8.36	16.00	@2500 PSI
Event	10	Pump Spacer 1	Pump Spacer 1	10/12/2015	13:51:44	COM4	0.00	8.38	13.00	50 BBLS FRESH WATER, WITH 4 POUNDS OF RED DYE.
Event	11	Drop Bottom Plug	Drop Bottom Plug	10/12/2015	14:05:24	COM4	0.00	10.55	56.00	PRE-LOADED HWE BOTTOM PLUG IN PLUG CONTAINER, VERIFIED BY CUSTOMER REP.
Event	12	Pump Lead Cement	Pump Lead Cement	10/12/2015	14:06:24	COM4	0.00	10.60	43.00	560 SKS (173.54 BBLS) SWIFTCEM @13.5 PPG, VERIFIED WITH PRESSURIZED SCALES
Event	13	Pump Tail Cement	Pump Tail Cement	10/12/2015	14:39:15	COM4	2.20	13.93	47.00	75 SKS (20.44 BBLS) SWIFTCEM @ 14.2 PPG, VERIFIED WITH PRESSURIZED

										SCALES
Event	14	Shutdown	Shutdown	10/12/2015	14:45:35	COM4				TO DROP TOP PLUG
Event	15	Drop Top Plug	Drop Top Plug	10/12/2015	14:45:39	COM4	0.00	14.43	28.00	PRE-LOADED HWE TOP PLUG IN PLUG CONTAINER, VERIFIED BY CUSTOMER REP.
Event	16	Pump Displacement	Pump Displacement	10/12/2015	14:46:18	COM4	0.00	14.44	12.00	143 BBLS DRILLING MUD
Event	17	Other	Spacer Returns to Surface	10/12/2015	14:58:56	COM4	8.20	9.60	404.00	@72 BBLS DISPLACEMENT 50 BBLS TO SURFACE
Event	18	Cement Returns to Surface	Cement Returns to Surface	10/12/2015	15:04:25	USER	6.20	9.34	517.00	@122 BBLS DISPLACEMENT, 20 BBLS TO SURFACE
Event	19	Bump Plug	Bump Plug	10/12/2015	15:15:58	COM4	2.70	8.08	504.00	@500 OVER FINAL CIRCULATING PRESSURE 498 PSI
Event	20	Pressure Test	Pressure Test	10/12/2015	15:17:23	USER	0.00	8.10	1124.00	CASING TEST @ 1000 PSI FOR 15 MIN.
Event	21	Check Floats	Check Floats	10/12/2015	15:31:25	USER	0.00	8.21	1044.00	FLOATS GOOD, 1 BBL BACK
Event	22	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	10/12/2015	15:35:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-DOWN
Event	23	Rig-Down Equipment	Rig-Down Equipment	10/12/2015	15:40:00	USER				RIG-DOWN ALL SURFACE LINES AND EQUIPMENT
Event	24	End Job	End Job	10/12/2015	15:48:22	COM4				THANKS AARON SMITH AND CREW
Event	25	Rig-Down Completed	Rig-Down Completed	10/12/2015	16:15:00	USER				SAFELY WITHOUT INCIDENT.
Event	26	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	10/12/2015	16:30:00	USER				JOURNEY MANAGMENT MEETING HELD PRIOR TO DEPARTURE