

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 345242		<b>Ship To #:</b> 3633309		<b>Quote #:</b>		<b>Sales Order #:</b> 0902981203				
<b>Customer:</b> NOBLE ENERGY INC E-BUSINESS				<b>Customer Rep:</b> GARRY STAPLETON						
<b>Well Name:</b> MOSER			<b>Well #:</b> H22-735		<b>API/UWI #:</b> 05-123-40884-00					
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> HUDSON		<b>County/Parish:</b> WELD		<b>State:</b> COLORADO				
<b>Legal Description:</b> NW NE-27-3N-65W-345FNL-1913FEL										
<b>Contractor:</b> H & P DRLG				<b>Rig/Platform Name/Num:</b> H & P 321						
<b>Job BOM:</b> 392189										
<b>Well Type:</b> HORIZONTAL OIL										
<b>Sales Person:</b> HALAMERICA\HX38199				<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>		225 degF				
<b>Job depth MD</b>		7211ft		<b>Job Depth TVD</b>		6955				
<b>Water Depth</b>				<b>Wk Ht Above Floor</b>		7				
<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	0	9.625	8.921	36	BTC	J-55	0	1850	0	1850
Casing	0	5.5	4.778	20	BTC	P-110	0	7211	0	6955
Open Hole Section			8.5				1850	14162	1850	6955
<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	5.5					Top Plug	5.5	1	PP	
Float Shoe	5.5	1	PP	14152		Bottom Plug	5.5		HES	
Float Collar	5.5	1	PP	7211		SSR plug set	5.5		HES	
Insert Float	5.5					Plug Container	5.5		HES	
Stage Tool	5.5					Centralizers	5.5		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	12.5 lb/gal Tuned Spacer III	Tuned Spacer III	40	bbl	12.5	2.75		6		

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	12.5 lb/gal Tuned Spacer III	Tuned Spacer III	40	bbl	12.5	2.75		6	
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	ElastiCem	ELASTICEM (TM) SYSTEM	677	sack	13.6	1.88		6	8.57
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	Displacement	Displacement	163.5	bbl	8.33				
Cement Left In Pipe		Amount	ft		Reason			Shoe Joint	
Comment									

## 2.0 Real-Time Job Summary

## 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comments
Event	1	Call Out	Call Out	12/15/2015	02:00:00	USER				FOR ON LOCATION @ 0600
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	12/15/2015	05:00:00	USER				JOURNEY MANAGMENT MEETING PRIOR TO DEPARTURE
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	12/15/2015	05:15:00	USER				JOURNEY CALLED IN TO DISPATCH
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	12/15/2015	06:45:00	USER				WITH ALL EQUIPMENT AND MATERIALS, RIG HAD 500 FEET OF CASING LEFT TO RUN,
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	12/15/2015	07:00:00	USER				HAZARD HUNT AND WATER TEST PERFORMED
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	12/15/2015	07:05:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-UP
Event	7	Rig-Up Equipment	Rig-Up Equipment	12/15/2015	07:10:00	USER				
Event	8	Rig-Up Completed	Rig-Up Completed	12/15/2015	09:45:00	USER				
Event	9	Circulate Well	Circulate Well	12/15/2015	10:35:00	USER				MW 10.3 PPG, PV15 YP 11, GELS 2/13/15 ,
Event	10	Drop Ball	Drop Ball	12/15/2015	11:07:00	USER				PACKERS PLUS DROPPED BALLS
Event	11	Ball on Seat	Ball on Seat	12/15/2015	12:20:00	USER				
Event	12	Set Packer	Set Packer	12/15/2015	12:33:00	USER				
Event	13	Circulate Bottoms Up	Circulate Bottoms Up	12/15/2015	12:47:00	USER				7.3 BPM, PRESSURE 202 PSI, 3000 PSI.
Event	14	Pre-Job Safety Meeting	Pre-Job Safety Meeting	12/15/2015	13:30:00	USER				WITH CUSTOMER REP AND RIG-CREW
Event	15	Start Job	Start Job	12/15/2015	16:51:21	COM5	0.00	8.18	21.00	WITH WATER SUPPLIED FROM FRAC TANK, PH7 TEMP 53, CI72,
Event	16	Test Lines	Test Lines	12/15/2015	16:52:50	COM5	0.00	8.32	97.00	@5000

Event	17	Pump Spacer 1	Pump Spacer 1	12/15/2015	16:56:03	COM5	0.00	8.25	50.00	40 BBLS TUNED SPACER @ 12.5 PPG, WITH 12 GAL MUSOL A, 12 GAL DUAL SPACER B, 10 GAL D-AIR,
Event	18	Pump Spacer 2	Pump Spacer 2	12/15/2015	17:08:10	COM5	3.00	12.48	95.00	40 BBLS TUNED SPACER @ 12.5 PPG, VERIFIED WITH PRESSURIZED SCALES
Event	19	Pump Cement	Pump Cement	12/15/2015	17:18:24	COM5	3.30	13.79	133.00	677 SKS (226.78 BBLS) ELASTICEM @13.6 PPG, VERIFIED WITH PRESSURIZED SCALES
Event	20	Shutdown	Shutdown	12/15/2015	17:47:09	COM5	0.00	13.07	89.00	TO TIGHTEN UP HAMMER UNION
Event	22	Clean Lines	Clean Lines	12/15/2015	17:56:00	COM5				WASHED PUMPS AND LINES TO THE PIT
Event	23	Drop Top Plug	Drop Top Plug	12/15/2015	18:00:04	COM5				PRE-LOADED PACKERS PLUS MSC TOP PLUG IN PLUG CONTAINER, VERIFIED WITH PRESSURIZED SCALES
Event	24	Pump Displacement	Pump Displacement	12/15/2015	18:00:39	COM5				163.5 BBLS FRESH WATER, WITH 5 GALLONS MMCR
Event	25	Displ Reached Cmnt	Displ Reached Cmnt	12/15/2015	18:05:07	COM5	9.00	8.53	620.00	@26 BBLS DISPLACEMENT
Event	26	Bump Plug	Bump Plug	12/15/2015	18:20:45	COM5	6.00	8.57	2211.00	@2000 OVER, FINAL CIRCULATING PRESSURE 2180 PSI
Event	27	Check Floats	Check Floats	12/15/2015	18:24:53	USER	0.00	8.53	2093.00	FLOATS GOOD, TOOL CLOSED, 2 BBLS BACK
Event	28	Other	Other	12/15/2015	18:27:56	COM5				PRESSURE UP ON MULTI STAGE TOOL TO MAKE SURE IT CLOSED
Event	29	End Job	End Job	12/15/2015	18:34:22	COM5				THANKS AARON SMITH AND CREW
Event	30	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	12/15/2015	18:55:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-DOWN
Event	31	Rig-Down Equipment	Rig-Down Equipment	12/15/2015	19:00:00	USER				
Event	32	Rig-Down Completed	Rig-Down Completed	12/15/2015	19:30:00	USER				
Event	33	Depart Location Safety Meeting	Depart Location Safety Meeting	12/15/2015	19:35:00	USER				JOURNEY MANAGMENT MEETING PRIOR TO DEPARTURE
Event	34	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	12/15/2015	19:40:00	USER				JOURNEY CALLED INTO DISPATCH