

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 3624286		Quote #:		Sales Order #: 0902820757				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: JIM TURNER						
Well Name: MOSER			Well #: H34-750			API/UWI #: 05-123-40618-00				
Field: WATTENBERG		City (SAP): HUDSON		County/Parish: WELD			State: COLORADO			
Legal Description: SE SW-22-3N-65W-400FSL-2221FWL										
Contractor: H & P DRLG				Rig/Platform Name/Num: H & P 321						
Job BOM: 7521										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HB45834				Srcv Supervisor: Aaron Smith						
Job										
Formation Name										
Formation Depth (MD)		Top			Bottom					
Form Type					BHST		128 degF			
Job depth MD		1889ft			Job Depth TVD		1889			
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	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
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
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	
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	8.34					

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