

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3706166	Quote #:	Sales Order #: 0902939075
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: PETE BURNS	
Well Name: HSR RAY	Well #: 03-29	API/UWI #:	
Field:	City (SAP): LA SALLE	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor: UNKNOWN		Rig/Platform Name/Num: WORKOVER RIG	
Job BOM:			
Well Type: GAS			
Sales Person: HALAMERICA\HB60191		Srcv Supervisor: Aaron Smith	

Job

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1660ft Job Depth TVD
Water Depth	Wk Ht Above Floor
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
Tubing		1.66	1.278	3.02			0	1660		0
Casing		4.5	4	11.6			0	1660		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	1.66			1660	Top Plug	1.66		HES
Float Shoe	1.66				Bottom Plug	1.66		HES
Float Collar	1.66				SSR plug set	1.66		HES
Insert Float	1.66				Plug Container	1.66		HES
Stage Tool	1.66				Centralizers	1.66		HES

Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	PLUG #1 1660	HALCEM (TM) SYSTEM	525	sack	15.8	1.15			5	
5 Gal		FRESH WATER								

Cement Left In Pipe	Amount	ft	Reason	Shoe Joint
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Fluid Data

Stage/Plug #: 2				
Cement Left In Pipe	Amount	ft	Reason	Shoe Joint

Fluid Data			
Stage/Plug #: 3			
Cement Left In Pipe	Amount	ft	Reason
			Shoe Joint
Fluid Data			
Stage/Plug #: 4			
Cement Left In Pipe	Amount	ft	Reason
			Shoe Joint
Fluid Data			
Stage/Plug #: 5			
Cement Left In Pipe	Amount	ft	Reason
			Shoe Joint
Comment			

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate <i>(bbl/min)</i>	DH Density <i>(ppg)</i>	PS Pump Press <i>(psi)</i>	Comments
Event	1	Call Out	Call Out	11/30/2015	05:30:00	USER				FOR ON LOCATION @ 1030
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	11/30/2015	09:15:00	USER				JOURNEY CALLED INTO DISPATCH
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	11/30/2015	09:20:00	USER				JOURNEY MANAGEMENT MEETING PRIOR TO DEPARTURE
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	11/30/2015	09:45:00	USER				RIG WAS CIRCULATING ON BOTTOM
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	11/30/2015	09:50:00	USER				RIG-UP JSA TO DISCUSS THE HAZARDS OF RIG-UP
Event	6	Rig-Up Equipment	Rig-Up Equipment	11/30/2015	09:55:00	USER				
Event	7	Rig-Up Completed	Rig-Up Completed	11/30/2015	10:20:00	USER				WITH OUT INCIDENT
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	11/30/2015	10:45:00	USER	0.00	0.04	9.00	WITH CUSTOMER REP AND RIG-CREW
Event	9	Start Job	Start Job	11/30/2015	11:07:36	COM5	0.00	8.72	10.00	WITH WATER SUPPLIED FROM BASIC TRUCKS, WATER TESTED GOOD TO MIX CEMENT. TEMP 65 DEGREES, PH7, CHLORIDES 56.
Event	10	Test Lines	Test Lines	11/30/2015	11:08:40	COM5	0.00	8.60	58.00	@3000 PSI
Event	11	Pump Spacer 1	Pump Spacer 1	11/30/2015	11:14:18	COM5	0.00	8.54	24.00	3 BBLs FRESH WATER TO BREAK CIRCULATION

Event 12	Pump Spacer 2	Pump Spacer 2	11/30/2015	11:15:27	COM5	0.90	8.63	274.00	5 BBL5 FRESH WATER WITH RED DYE
Event 13	Pump Cement	Pump Cement	11/30/2015	11:24:10	COM5	0.00	8.24	22.00	525 SKS (107.53 BBL5) G NEAT @ 15.8 PPG, VERIFIED WITH PRESSURIZED SCALES.
Event 14	Check Weight	Check weight	11/30/2015	11:32:38	COM5	1.60	15.82	1069.00	SCALED @ 15.8 PPG,
Event 15	Pump Displacement	Pump Displacement	11/30/2015	12:21:34	COM5	1.40	15.81	2085.00	.5BBL5 FRESH WATER
Event 16	Shutdown	Shutdown	11/30/2015	12:22:05	COM5	0.00	11.51	902.00	
Event 17	End Job	End Job	11/30/2015	12:29:49	COM5	1.10	15.45	29.00	THANKS AARON SMITH AND CREW
Event 18	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	11/30/2015	12:45:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-DOWN
Event 19	Rig-Down Equipment	Rig-Down Equipment	11/30/2015	12:47:00	USER				
Event 20	Rig-Down Completed	Rig-Down Completed	11/30/2015	12:55:00	USER				WITH OUT INCIDENT
Event 21	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	11/30/2015	12:57:00	USER				JOURNEY MANAGMENT MEETING PRIOR TO DEPARTURE
Event 22	Depart Location Safety Meeting	Depart Location Safety Meeting	11/30/2015	13:00:00	USER				JOURNEY CALLED INTO DISPATCH