

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2613233		Quote #:		Sales Order #: 0902927375				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: PETE BURNS						
Well Name: HSR Hinde		Well #: 07-20		API/UWI #:						
Field:		City (SAP): GILCREST		County/Parish: WELD		State: COLORADO				
Legal Description:										
Contractor: UNKNOWN				Rig/Platform Name/Num: WORKOVER RIG						
Job BOM:										
Well Type: GAS										
Sales Person: HALAMERICA\HB60191				Srv Supervisor: Aaron Smith						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		1620ft		Job Depth TVD		1620				
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	1620		0
Casing		4.5	4	11.6			0	1620		0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	1.66			1620		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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	PLUG #1	HALCEM (TM) SYSTEM	22	sack	15.8	1.15			5	
5 Gal		FRESH WATER								
Cement Left In Pipe		Amount	ft	Reason				Shoe Joint		
Fluid Data										
Stage/Plug #: 2										

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	PLUG1 1620-SURFACE	HALCEM (TM) SYSTEM	310	sack	15.8	1.15			5
5 Gal		FRESH WATER							
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									

HALLIBURTON

Customer: NOBLE ENERGY INC E-BUSINESS
Job: NOBLE ENERGY HSR HINDE 07-20 REMEDIAL
Case: Case 1

1.0 Real-Time Job Summary

1.1 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	11/21/201 5	03:30:00	USER				FOR ON LOCATION @ 1000
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	11/21/201 5	08:00:00	USER				JOURNEY MANAGEMENT MEETING PRIOR TO DEPARTURE
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	11/21/201 5	08:15:00	USER				JOURNEY CALLED INTO DISPATCH
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	11/21/201 5	09:20:00	USER				TUBING WAS AT 1620" RIG-CREW WAS THAWING OUT FLOW BACK LINES.
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	11/21/201 5	09:25:00	USER				HAZARD HUNT AND WATER TEST PERFORMED, MW 8.7 NO CIRCULATION, NO PIPE MOVEMENT
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	11/21/201 5	09:30:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-UP
Event	7	Rig-Up Equipment	Rig-Up Equipment	11/21/201 5	09:45:00	USER				
Event	8	Rig-Up Completed	Rig-Up Completed	11/21/201 5	10:10:00	USER				
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	11/21/201 5	10:20:00	USER				WITH CUSTOMER REP AND RIG-CREW
Event	10	Start Job	Start Job	11/21/201 5	10:38:59	COM5	0.00	8.56	1.00	WITH WATER SUPPLIED FROM BASIC TRUCKS, WATER TESTED GOOD TO MIX CEMENT, TEMP 63, CI 56, PH 7.

iCem Service

(v. 4.1.107)

HALLIBURTON

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Event	11	Test Lines	Test Lines	11/21/201 5	10:40:17	COM5	0.00	8.31	66.00	@3000
Event	12	Pump Spacer 1	Pump Spacer 1	11/21/201 5	10:43:17	COM5	0.00	8.25	39.00	20 BBLs FRESH WATER
Event	13	Pump Spacer 2	Pump Spacer 2	11/21/201 5	10:56:55	COM5	1.50	8.32	823.00	5 BBLs FRESH WATER WITH 2LBS RED DYE
Event	14	Pump Cement	Pump Cement	11/21/201 5	11:18:47	COM5	1.80	11.48	805.00	332 SKS (67.99 BBLs) G NEAT @ 15.8 PPG,
Event	15	Other	Shutdown	11/21/201 5	11:54:00	USER	1.80	15.94	1936.00	CEMENT RETURNED TO SURFACE, PUMP 6 BBLs AFTER CEMENT RETURNED TO SURFACE
Event	16	End Job	End Job	11/21/201 5	12:03:44	COM5	2.50	9.21	75.00	
Event	17	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	11/21/201 5	12:18:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-DOWN
Event	18	Rig-Down Equipment	Rig-Down Equipment	11/21/201 5	12:20:00	USER				
Event	19	Rig-Down Completed	Rig-Down Completed	11/21/201 5	12:30:00	USER				
Event	20	Depart Location Safety Meeting	Depart Location Safety Meeting	11/21/201 5	12:35:00	USER				JOURNEY MANAGEMENT MEETING PRIOR TO DEPARTURE
Event	21	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	11/21/201 5	12:45:00	USER				THANKS AARON SMITH AND CREW