

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 3705163		Quote #:		Sales Order #: 0902932000				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Kevin Monaghan						
Well Name: UPRC		Well #: 21-13G		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\HB45834				Srv Supervisor: Vaughn Oteri						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		1675ft		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		2.375	1.995	4.6			0	1675		0
Casing		4.5	4	11.6			0	1675		0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	2.375					Top Plug				
Float Shoe	2.375					Bottom Plug				
Float Collar	2.375					SSR plug set				
Insert Float	2.375					Plug Container				
Stage Tool	2.375					Centralizers				
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	HALCEM (TM) SYSTEM		385	sack	15.8	1.15			5
5 Gal		FRESH WATER								
Cement Left In Pipe										
Cement Left In Pipe	Amount	ft	Reason				Shoe Joint			

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	PS Pump Rate (bbl/min)	Comments
Event	1	Arrive At Loc	Arrive At Loc	11/21/201	07:00:00	USER				Requested on location @ 0800 11-21-15, Arrived @ 0700
Event	2	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	11/21/201	07:20:00	USER				Spot Trucks and Pre Rig-Up Safety Meeting With HES Crew
Event	3	Wait on Customer or Contractor Sub-Equipment - End Time	Wait on Customer or Contractor Sub-Equipment - End Time	11/21/201	08:37:00	USER	61.00	0.33	0.00	Water Truck Arrives @ 0837
Event	4	Safety Meeting - Pre Job	Safety Meeting - Pre Job	11/21/201	09:20:00	USER	717.00	8.67	11.90	Pre Job Safety Meeting with HES Crew and all 3rd Party Personnel
Event	5	Start Job	Start Job	11/21/201	09:37:46	COM4	14.00	8.56	0.00	Water Provided by Basic, Tested Good for Mixing Cement (PH-8, Sulfates <200, Chlorides - 0)
Event	6	Test Lines	Test Lines	11/21/201	09:40:13	COM4	3462.00	8.77	0.00	Pressure Test Lines to 3461 PSI, Monitor for Leaks
Event	7	Pump Spacer 1	Pump Spacer 1	11/21/201	09:42:22	COM4	4.00	8.60	0.00	Pump 10 bbls Fresh Water Spacer
Event	8	Pump Cement	Pump Cement	11/21/201	09:51:58	COM4	664.00	16.04	1.50	Mix and Pump 385 sks (78.9bbls) HalCem Cement @ 15.8 lb/gal (1.15 ft3/sk, 5 gal/sk)
Event	9	Cement Returns to Surface	Cement Returns to Surface	11/21/201	10:35:00	USER	2249.00	15.65	2.00	Cement to Surface @ 71 bbls Away (Stop Mixing, and Pump Remainder of Tub Down Hole)

HALLIBURTON

Customer: NOBLE ENERGY INC
Job: NOBLE UPRC 21-13G ANNUL FILL
Case: Case 1

Event	10	Pump Displacement	Pump Displacement	11/21/201	10:38:18	COM4	2307.00	15.93	2.00	Pumped 1 bbl of fresh water to clean lines
Event	11	Shutdown	Shutdown	11/21/201	10:42:00	USER	5.00	9.60	0.00	Shutdown, Break-Off Wellhead
Event	12	End Job	End Job	11/21/201	10:48:29	COM4	29.00	8.74	1.70	Wet and Dry Samples of Cement Left on Location
Event	13	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	11/21/201	11:01:45	USER	174.00	8.56	4.20	
Event	14	Safety Meeting - Departing Location	Safety Meeting - Departing Location	11/21/201	11:02:08	USER	102.00	7.99	4.20	Journey Management Meeting with HES Crew prior to Departing Location