

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2773036		Quote #:		Sales Order #: 0902962992				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: TYSON						
Well Name: CPC BOHLENDER			Well #: 29-02		API/UWI #: 05-123-13035-00					
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: Joseph Scileppi						
Job										
Formation Name										
Formation Depth (MD)		Top 0		Bottom		1550				
Form Type				BHST						
Job depth MD		1550ft		Job Depth TVD		1550				
Water Depth				Wk Ht Above Floor						
Perforation Depth (MD)		From 1550		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		8.625	8.097	24			0	298	0	298
Casing		4.5	4	11.6			0	1550	0	1550
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	8.625					Top Plug	8.625			
Float Shoe	8.625					Bottom Plug	8.625			
Float Collar	8.625					SSR plug set	8.625			
Insert Float	8.625					Plug Container	8.625			
Stage Tool	8.625					Centralizers	8.625			
Fluid Data										
Stage/Plug #: 1										
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	PLUG #1	HALCEM (TM) SYSTEM		600	sack	15.8	1.15			5
5 Gal		FRESH WATER								
Cement Left In Pipe		Amount	ft	Reason			Shoe Joint			

HALLIBURTON***Cementing Job Summary***

Mix Water:pH ##	Mix Water:## ppm Chloride:	Mix Water Temperature:## °F °C
Cement Temperature:## °F °C	Plug Displaced by:## lb/gal kg/m3 XXXX	Disp. Temperature:## °F °C
Plug Bumped?Yes/No	Bump Pressure:#### psi MPa	Floats Held?Yes/No
Cement Returns:## bbl m3	Returns Density:## lb/gal kg/m3	Returns Temperature:## °F °C
Comment NO RETURNS THROUGHOUT JOB		

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	12/4/2015	04:00:00	USER				CALLOUT AT 0400 FOR ON LOC AT 1000
Event	2	Crew Leave Yard	Crew Leave Yard	12/4/2015	09:00:00	USER				PRE JOURNEY JSAW/ CREW
Event	3	Arrive At Loc	Arrive At Loc	12/4/2015	09:30:00	USER				RIG WAS READY FOR US UPON ARRIVAL, SPOKE W/ COMPANY REP AD THEY LOGGED THE WELL AND FOUND CMT FROM 1650' BACK UP TO 1550' AND SHOT PERFS THERE. ALSO DISCUSSED JOB PROCEDURE AND HAD HAZARD HUNT JSA
Event	4	Rig-Up Equipment	Rig-Up Equipment	12/4/2015	09:45:00	USER				JSA W/ ALL INVOLVED PERSONNEL
Event	5	Pre-Job Safety Meeting	Pre-Job Safety Meeting	12/4/2015	10:30:00	USER	0.00	0.00	-2.00	FIELD MIX WATER ANALYSIS: TEMP- 64, PH-7, AND CHLORIDES-0, RIG CIRCULATED AT .8 BPM AND 975 PSI BEFORE JOB
Event	6	Other	Other	12/4/2015	10:31:00	USER	0.00	0.00	-3.00	TESTED LINES TO 4000 PSI, NO VISIBLE LEAKS
Event	7	Start Job	Start Job	12/4/2015	10:44:08	COM5	0.00	8.41	2.00	PUMPED 122.8 BBLS OR 600 SKS OF 15.8 CMT AT 3.3 BPM AND 520 PSI, NO RETURNS THROUGHOUT CMT
Event	8	Test Lines	Test Lines	12/4/2015	10:46:31	COM5	0.00	8.46	756.00	
Event	9	Pump Cement	Pump Cement	12/4/2015	11:13:37	COM5	0.00	8.36	168.00	

PUMPED 23.5 BBLs OF
FRESH WATER
DISPLACEMENT AT 3 BPM
AND 935 PSI, NO RETURNS
THROUGHOUT
DISPLACEMENT, NO CMT
TO SURFACE

Event	10	Pump Displacement	Pump Displacement	12/4/2015	12:01:44	COM5	0.00	15.78	329.00
Event	11	Shutdown	Shutdown	12/4/2015	12:12:54	COM5	0.00	7.74	960.00
Event	12	End Job	End Job	12/4/2015	12:14:56	COM5	0.00	7.75	917.00