

**NOBLE ENERGY INC E-BUSINESS  
DO NOT MAIL-804 GRAND AVENUE  
PLATTEVILLE, Colorado**

Strong  
Strong P21-15Ji

## **Post Job Summary Recement Service**

Date Prepared: 08/31/2012  
Version: 1

Service Supervisor: WHEELER, JUSTIN

Submitted by: KENNEDY, HERRON

**HALLIBURTON**

# HALLIBURTON

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 345242	<b>Ship To #:</b> 2570056	<b>Quote #:</b>	<b>Sales Order #:</b> 9775555
<b>Customer:</b> NOBLE ENERGY INC E-BUSINESS		<b>Customer Rep:</b> Zwaagstra, Erich	
<b>Well Name:</b> Strong		<b>Well #:</b> P21-15Ji	<b>API/UWI #:</b>
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> PLATTEVILLE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Job Purpose:</b> Recement Service			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Recement Service	
<b>Sales Person:</b> AARON, WESLEY		<b>Srvc Supervisor:</b> WHEELER, JUSTIN	<b>MBU ID Emp #:</b> 196470

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	0.0	524682	IPSON, TIMOTHY J	0.0	485018	MILLER, GEOFFREY Alan	0.0	460232
WHEELER, JUSTIN W	0.0	196470						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	17 mile	10248062C	17 mile	11542778	17 mile	11605599	17 mile

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>			Total is the sum of each column separately					

### Job

### Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	28 - Aug - 2012	07:30 MST
Form Type	BHST				On Location	28 - Aug - 2012	10:30 MST
Job depth MD	1000. ft		Job Depth TVD	1000. ft	Job Started	28 - Aug - 2012	12:05 MST
Water Depth	Wk Ht Above Floor				Job Completed	28 - Aug - 2012	12:47 MST
Perforation Depth (MD)	From		To		Departed Loc	28 - Aug - 2012	13:30 MST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Casing	Used		8.625	8.097	24.		J-55	.	433.	.	433.
1 1/4" tubing	Used		1.25	1.995			P-105	.	1000.	.	1000.

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

### Fluid Data

#### Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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# HALLIBURTON

1	Halcem 15.8#	HALCEM (TM) SYSTEM (452986)		240.0	sacks	15.8	1.15	4.98	2.0	4.98
4.98 Gal		FRESH WATER								
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>						
<i>Displacement</i>		Shut In: Instant		Lost Returns		<i>Cement Slurry</i>		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
<b>Rates</b>										
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>		<b>Avg. Job</b>				
Cement Left In Pipe		Amount	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				<b>Customer Representative Signature</b>						