

**HALLIBURTON**

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**NOBLE ENERGY INC E-BUSINESS**

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State Schmidt 36-3  
Wattenberg  
Weld County , Colorado

**Recement Service**

14-Feb-2013

**Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2981005	Quote #:	Sales Order #: 900217872
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Marshal, Dennis	
Well Name: State Schmidt	Well #: 36-3	API/UWI #: 05-123-12115	
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Lat: N 40.35 deg. OR N 40 deg. 21 min. 0.504 secs.		Long: W 104.604 deg. OR W -105 deg. 23 min. 44.16 secs.	
Contractor: Leed	Rig/Platform Name/Num:		
Job Purpose: Recement Service			
Well Type: Development Well		Job Type: Recement Service	
Sales Person: AARON, WESLEY		Srvc Supervisor: PICKELL, CHRISTOPHER	MBU ID Emp #: 396838

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	3	524682	PICKELL, CHRISTOPHER Lee	3	396838	WILEY, JAMES A	3	440080

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11036295C	32 mile	11605597	32 mile	11667703C	32 mile		

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/14/13	3	3						

TOTAL Total is the sum of each column separately

## Job

## Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	14 - Feb - 2013	08:00	MST
Form Type	BHST		Job Started	14 - Feb - 2013	11:10	MST
Job depth MD	4972. ft	Job Depth TVD	Job Completed	14 - Feb - 2013	12:04	MST
Water Depth		Wk Ht Above Floor	Departed Loc	14 - Feb - 2013	13:08	MST
Perforation Depth (MD)	From	To		14 - Feb - 2013	14:00	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
10" Open Hole				9.				574.	7145.		
12" Open Hole				12.				382.	574.		
4 1/2" Production Casing	Unknown		4.5	4.	11.6				7145.		7145.
Surface Casing	Used		8.625	8.097	24.		J-55		382.		382.
1 1/4" tubing	Used		1.25	.671	3.02		P-105		4972.		4972.

## 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

## Cementing Job Summary

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	13.5 FracCem	FRACCEM (TM) SYSTEM (452963)	200.0	sacks	13.5	1.48	7.07		7.07	
Calculated Values		Pressures		Volumes						
Displacement	4 BBL	Shut In: Instant		Lost Returns	0 BBL	Cement Slurry	52.7 BBL	Pad		
Top Of Cement	4000 FT	5 Min		Cement Returns	0 BBL	Actual Displacement	4 BBL	Treatment		
Frac Gradient		15 Min		Spacers	5 BBL	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing	1.2	Displacement	1.2	Avg. Job	1.2			
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				Customer Representative Signature						