

HALLIBURTON



02617880

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# **NOBLE ENERGY INC E-BUSINESS**

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**State Schmidt 36-9  
Wattenberg  
Weld County , Colorado**

**Recement Service**

**08-Feb-2013**

**Job Site Documents**

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2979599	Quote #:	Sales Order #: 900205391
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Marshal, Dennis	
Well Name: State Schmdt	Well #: 36-9	API/UWI #: 05-123-13367	
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Lat: N 40.35 deg. OR N 40 deg. 20 min. 58.88 secs.		Long: W 104.609 deg. OR W -105 deg. 23 min. 26.257 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: VIGIL, NICHOLAS	MBU ID Emp #: 443481	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
OTERI, VAUGHN Steeves	3	443828	ROMERO, JOSEPH M	3	512137	VIGIL, NICHOLAS Joseph	3	443481

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11398490	32 mile	11748359	32 mile	12010168	32 mile	NA	32 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/8/2013	3	1						

TOTAL Total is the sum of each column separately

Job Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	08 - Feb - 2013	09:40	MST
Job depth MD	4833. ft		Job Depth TVD	Job Started	08 - Feb - 2013	11:03	MST
Water Depth			Wk Ht Above Floor	Job Completed	08 - Feb - 2013	11:55	MST
Perforation Depth (MD)	From		To	Departed Loc	08 - Feb - 2013	12:45	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.				550.	4833.		
12" Open Hole				12.				325.	550.		
4 1/2" Production Casing	Unknown		4.5	4.	11.6				7189.		7189.
Surface Casing	Used		8.625	8.097	24.		J-55		315.		315.
1 1/4" tubing	Used		1.25	.671	3.02		P-105		4833.		4833.

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

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
Stage/Plug #: 1									

# 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	15.8# Cement	HALCEM (TM) SYSTEM (452986)	275.0	sacks	15.8	1.15	4.99		4.99
	4.989 Gal	FRESH WATER							
Calculated Values			Pressures			Volumes			
Displacement		Shut In: Instant		Lost Returns	no	Cement Slurry		Pad	
Top Of Cement	Surface	5 Min		Cement Returns	.5 bbl	Actual Displacement		Treatment	
Frac Gradient		16 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating	2	Mixing		2	Displacement		Avg. Job		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					