
NOBLE ENERGY INC E-BUSINESS

**Trebor B11-5
Wattenberg
Weld County , Colorado**

Recement Service
21-Aug-2013

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3096091	Quote #:	Sales Order #: 900681546
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Monahan, Kevin	
Well Name: Trebor		Well #: B11-5	API/UWI #: 05-123-13498
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Lat: N 40.416 deg. OR N 40 deg. 24 min. 56.646 secs.		Long: W 104.525 deg. OR W -105 deg. 28 min. 30.778 secs.	
Job Purpose: Recement Service			
Well Type: Development Well		Job Type: Recement Service	
Sales Person: PLIENESS, RYAN	Srv 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 #
MAYFIELD, BYRON L	2.5	528751	ROMERO, JOSEPH M	4.5	512137	VIGIL, NICHOLAS Joseph	4.5	443481

HERNANDEZ, ROY 2.5

Equipment	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
HES Unit #	40 mile	11036298	40 mile	11488570C	40 mile	11527037	40 mile
10982754C	40 mile						

12010168

Job Hours	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
Date			8/21/2013	4.5	1.5			

Total is the sum of each column separately

TOTAL

Job Times

Job	Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			BHST	On Location	21 - Aug - 2013	13:00	MST
Form Type	1500. ft		Job Depth TVD	Job Started	21 - Aug - 2013	00:00	MST
Job depth MD			Wk Ht Above Floor	Job Completed	21 - Aug - 2013	00:00	MST
Water Depth	From		To	Departed Loc	21 - Aug - 2013	00:00	MST

Perforation Depth (MD)

Well Data	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
Description	Unknown		4.5	3.826	15.1	BTC	J-55	.	2500.		
4 1/2" Production Casing	Unknown		1.25	.671	3.02	8 RD	P-110	.	1500.		

1 1/4" CSI Tubing Drill Pipe

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

Stage Tool

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

Fluid Data

Stage/Plug #: 1

HALLIBURTON**Cementing Job Summary**

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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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
1	15.8# Cement w/HR-5	HALCEM (TM) SYSTEM (452986)	480.0	sacks	15.8	1.15	5.0		5.0

5 Gal	FRESH WATER
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Calculated Values		Pressures		Volumes			
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	Pad
Top Of Cement	Surface	5 Min		Cement Returns	yes	Actual Displacement	Treatment
Frac Gradient		15 Min		Spacers		Load and Breakdown	Total Job

Rates

Circulating		Mixing	2	Displacement		Avg. Job	2
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Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint
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Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID
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The Information Stated Herein Is Correct	Customer Representative Signature
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