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# NOBLE ENERGY INC E-BUSINESS

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Gemini UPRR B31-4  
Wattenberg  
Weld County , Colorado

**Receiment Service**  
06-Mar-2013

**Job Site Documents**

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2985053		Quote #:		Sales Order #: 900269302							
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Marshall, Dennis									
Well Name: Gemini UPRR			Well #: B31-4		API/UWI #: 05-123-13721								
Field: Wattenberg		City (SAP): KERSEY		County/Parish: Weld		State: Colorado							
Lat: N 40.361 deg. OR N 40 deg. 21 min. 40.45 secs.				Long: W 104.6 deg. OR W -105 deg. 24 min. 0.914 secs.									
Contractor: Workover			Rig/Platform Name/Num: Boulder Rig 5										
Job Purpose: Recement Service													
Well Type: Development Well				Job Type: Recement Service									
Sales Person: FLING, MATTHEW			Srcv Supervisor: FANTASIA, JOSEPH			MBU ID Emp #: 485445							
Job Personnel													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #			
FANTASIA, JOSEPH		6.5	485445	JEWELL, WILLIAM		6.5	503358	LANGE, TIMOTHY Paul	6.5	520811			
Brandon				Uris									
SMITH, AARON		6.5	518187										
David													
Equipment													
HES Unit #	Distance-1 way		HES Unit #	Distance-1 way		HES Unit #	Distance-1 way		HES Unit #	Distance-1 way			
11064046	30 mile		11562570	30 mile		11812069C	30 mile		12010169	30 mile			
C			C										
5707C	30 mile												
Job Hours													
Date	On Location Hours		Operating Hours	Date	On Location Hours		Operating Hours	Date	On Location Hours		Operating Hours		
3-6-2013	6.5		4										
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	
									06 - Mar - 2013	06:00	MST		
Form Type			BHST			On Location			06 - Mar - 2013	08:30	MST		
Job depth MD			4866. ft	Job Depth TVD			4865. ft	Job Started			06 - Mar - 2013	10:00	MST
Water Depth			Wk Ht Above Floor			Job Completed			06 - Mar - 2013	14:00	MST		
Perforation Depth (MD)			From	To	Departed Loc			06 - Mar - 2013	16:00	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				10.				667.	4865.				
12" Open Hole				12.				314.	667.				
4 1/2" Production Casing	Unknow n		4.5	4.	11.6				4866.		4865.		
Surface Casing	Used		6.626	6.097	24.		J-55		314.		314.		
1 1/4"	Unknow n		1.25	.671	3.02		K-55		4865.				
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		Cone		Surfactant		Cone		Acid Type		Qty		Cone	%
Treatment Fld		Cone		Inhibitor		Cone		Sand Type		Size		Qty	

*Cementing Job Summary*

Fluid Data										
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	5.0		5.0	
	5 Gal	FRESH WATER								
2	13.5 FracCem	FRACCEM (TM) SYSTEM (452963)	200.0	sacks	13.5	1.74	8.3		8.3	
	8.3 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns	7	Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
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						