
NOBLE ENERGY INC E-BUSINESS

**Bickling E21-7
WATTENBERG
Weld County , Colorado**

Recement Service

21-Nov-2012

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2965217	Quote #:	Sales Order #: 900019708
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Beam, Ryan	
Well Name: Bickling		Well #: E21-7	API/UWI #:
Field: WATTENBERG	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Lat: N 40.473 deg. OR N 40 deg. 28 min. 24.434 secs.		Long: E 104.666 deg. OR E 104 deg. 39 min. 58.752 secs.	
Contractor: Leed		Rig/Platform Name/Num: Leed 715	
Job Purpose: Recement Service			
Well Type: Development Well		Job Type: Recement Service	
Sales Person: AARON, WESLEY		Srv Supervisor: NIELSON, BRANDON	MBU ID Emp #: 479703

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	3.5	372277	HALE, ROBERT E	3.5	470588	NIELSON, BRANDON K	3.5	479703
ROMERO, JOSEPH M	3.5	512137						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10824253C	35 mile	10972458	35 mile	11019275C	35 mile	12010172	35 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	21 - Nov - 2012	08:00	MST
Form Type	BHST		Job Started	21 - Nov - 2012	10:30	MST
Job depth MD	500. ft	Job Depth TVD	Job Completed	21 - Nov - 2012	11:05	MST
Water Depth		Wk Ht Above Floor	Departed Loc	21 - Nov - 2012	11:30	MST
Perforation Depth (MD)	From	To				

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
13" Open Hole				9.					121.		
Surface Casing	Used		8.625	8.097	24.		J-55		350.		350.
1 1/4" tubing	Used		1.25	.671	3.02		P-105		350.		350.
2 7/8" Production Casing	Unknown		2.875	2.441	6.5				350.		350.

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		

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	15.8# Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	163	sacks	15.8	1.15	4.99		4.99	
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
4.989 Gal		FRESH WATER								
Calculated Values			Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		0	Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		6 BBL	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		0	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						