

Field Ticket Number: 0901857579      Field Ticket Date: Monday, November 24, 2014      Planning Order #: NA

**Bill To:**  
 NOBLE ENERGY INC - EBUS,  
 DONOTMAIL-1001 NOBLE ENERGY WAY,  
 HOUSTON, TX, 77070

**Job Name:** Annular Fill  
**Order Type:** ZOH  
**Well Name:** Bickling 3-44  
**Company Code:** 1100  
**Customer PO No.:** NA  
**Shipping Point:** FORT LUPTON Shipping Point  
**Sales Office:** ROCKY MOUNTAINS BD  
**Well Type:** GAS  
**Well Category:** DEVELOPMENT  
**Rig Name#:** Workover

**Ship To:**  
 BICKLING #3-44 WELD,  
 S3 T6N R65W,  
 KERSEY, CO, 80644

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
14099	CMT RECEMENT BOM	1	JOB				
2	MILEAGE FOR CEMENTING CREW Number of Units	80 1	MI				
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	80 1	MI				
16091	ZI - PUMPING CHARGE FEET/METERS (FT/M) DEPTH	1 FT 578	EA				
114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI NUMBER OF UNITS	1 1	JOB				
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA				
3965	HANDLE&DUMP SVC CHR.G, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	175 EA 1	CF				
<b>SURCHARGES</b>							
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB				
92	PORTABLE RADIOS, ZI NUMBER OF JOBS	4 1	EA				
7	ENVIRONMENTAL CHARGE,/JOB,ZI	1	JOB				
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB				
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA				
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	80 1	MI				
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	80 1	MI				
<b>CEMENTING MATERIALS</b>							
452986	CMT, HalCem (TM) system	175	SK				
76400	MILEAGE,CMT MTL5 DEL/RET MIN Base Amount = 307.09 NUMBER OF TONS	40 8.22	MI				
87605	FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	40 8.22	MI				
100008028	CHEM, SUGAR,GRANULATED, 50LB BAG	100	LB				

Totals USD

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3622548	Quote #:	Sales Order #: 0901857579
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: NOBLE	
Well Name: Bickling	Well #: 3-44	API/UWI #:	
Field:	City (SAP): KERSEY	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor:		Rig/Platform Name/Num: Workover	
Job BOM: 14099			
Well Type: GAS			
Sales Person: HALAMERICA\HB21661		Srcv Supervisor: Vaughn Oteri	

**Job**

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	578ft Job Depth TVD
Water Depth	Wk Ht Above Floor
Perforation Depth (MD)	From To

**Well Data**

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Tubing		1.25	0.671	3.02			0	410		
Casing		4.5	3.826	15.1			0	7331		0

**Tools and Accessories**

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	1.25	1		410	Top Plug	1.25	1	HES
Float Shoe	1.25	1			Bottom Plug	1.25	1	HES
Float Collar	1.25	1			SSR plug set	1.25	1	HES
Insert Float	1.25	1			Plug Container	1.25	1	HES
Stage Tool	1.25	1			Centralizers	1.25	1	HES

**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 ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Tail Cement	HALCEM (TM) SYSTEM	175	sack	15.8	1.15		2	4.98	
		4.98 Gal FRESH WATER								

Cement Left In Pipe	Amount ft	Reason	Shoe Joint
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Comment

# Summary Report



Crew: \_\_\_\_\_  
Job Start Date: 11/24/2014 \_\_\_\_\_

Sales Order #: 0901857579  
WO #: 0901857579  
PO/AFE #: NA

Customer:	NOBLE ENERGY INC E-BUSINESS Field:	Job Type:	CMT RECEMENT BOM
UWI / API Number:	County/Parish: WELD	Service Supervisor:	Vaughn Oteri
Well Name: Bickling	State: COLORADO	Cust Rep Name:	NOBLE
Well No: 3-44	Latitude:	Cust Rep Phone #:	
	Longitude:		
	Sect / Twn / Rng: //		

Remarks:		
<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature	Date
	Customer Representative Printed Name	

# HALLIBURTON

NOBLE ENERGY INC  
 NOBLE BICKLING 3-44 RECEMENT SO#90187579  
 Case 1

## 4.5 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comments
Event	1	Call Out	Call Out	11/24/2014	04:15:00	USER				CALLED OUT FROM ARS OFFICE
Event	2	Arrive At Loc	Arrive At Loc	11/24/2014	13:00:00	USER				UPON ARRIVAL ON LOCATION MET WITH COMPANY REP AND DISCUSSED JOB PROCEDURES
Event	3	Start Job	Start Job	11/24/2014	14:06:00	USER				HELD PRE JOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESSES
Event	4	Test Lines	Test Lines	11/24/2014	14:11:00	USER				PRESSURE TESTED PUMPS AND LINES PRESSURE HELD GOOD. NO EVIDENT LEAKS UPON INSPECTION OF IRON
Event	5	Pump Spacer 1	Pump Spacer 1	11/24/2014	14:15:00	USER				PUMPED 5BBL FRESH WATER TO ESTABLISH A INJECTION RATE 1.5BPM 35PSI
Event	6	Pump Lead Cement	Pump Lead Cement	11/24/2014	14:20:00	USER				PUMPED 36BBL 15.8PPG HALCEM 28PM 230PSI
Event	7	Shutdown	Shutdown	11/24/2014	14:46:00	USER				ONCE FINISHED PUMPING CEMENT PUMPED .5BBL FRESH WATER BEHIND TO CLEAN LINES
Event	8	End Job	End Job	11/24/2014	14:49:00	USER				5BBL CMT BACK TO SURFACE

# HALLIBURTON

NOBLE ENERGY INC  
NOBLE BICKLING 3-44 RECEMENT SOH901857579  
Case 1

## 5.0 Custom Graphs

### 5.1 Custom Graph

