

# INVOICE

<h2 style="margin: 0;">HALLIBURTON</h2> <p style="margin: 5px 0 0 0;">Halliburton Energy Services, Inc.</p> <p style="margin: 5px 0 0 0;">Remit To: P.O. Box 203143, Houston, TX 77216-3143</p>				<p style="text-align: center; margin: 0;"><b>Wire Transfer Information</b></p> <p style="margin: 5px 0 0 0;">Account Number: Account 00032969</p> <p style="margin: 5px 0 0 0;">ABA Routing Number: 021000089</p>			
<p><b>Invoice Date: June 06, 2011</b></p>				<p><b>Invoice Number: 97766508</b></p>			
<p><b>DIRECT CORRESPONDENCE TO:</b></p> <p>P.O Box 659          Brighton, CO 80601-0659          US          Tel: (303) 825 4346          Fax: (303) 857 9408</p>				<p><b>Rig Name:</b>  <b>Well Name:</b> NOBLE KUMMER PC LE 23-17, WELD  <b>Ship to:</b> BRIGGS DALE, CO 80611          WELD</p> <p><b>Job Date:</b> June 01, 2011  <b>Cust. PO No.:</b> NA  <b>Payment Terms:</b> Net 20 days from Invoice date  <b>Quote No.:</b>  <b>Sales Order No.:</b> 8211697  <b>Manual Ticket No.:</b>  <b>Shipping Point:</b> FORT LUPTON Shipping Point  <b>Ultimate Destination Country:</b> US  <b>Customer Account No.:</b> 345242</p>			
<p><b>TO:</b></p> <p>NOBLE ENERGY PROD INC EBUSINESS          PLATTEVILLE, CO          DO NOT MAIL-804 GRAND AVENUE          PLATTEVILLE CO 80651</p>				<p><b>Contract No.:</b>  <b>Contract from:</b>  <b>Contract to:</b></p>			

  

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7523	CMT PRODUCTION CASING BOM JP035	1.00	JOB					
2	MILEAGE FOR CEMENTING CREW,ZI 000-119 Number of Units	140.000 3	MI unit		1.76	2,412.20	1,843.86	774.14
1	ZI-MILEAGE FROM NEAREST HES BA 000-117 Number of Units	140.000 2	MI unit		1.79	2,441.20	1,864.86	877.14
16091	ZI - PUMPING CHARGE 001-016 DEPTH FEET/METERS (FT/M)	1.000 7,348 FT	EA		3,081.00	3,081.00	3,773.08	2,405.92
*76400	ZI MILEAGE,CMT MTLs DEL/RET MI 500-306 / MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN NUMBER OF TONS	70.000 36.09	MI ton		1.33	4,463.13	3,714.91	2,746.99
*3965	HANDLE&DUMP SVC CHRg, CMT&ADDI 500-207 NUMBER OF EACH	1,354.000 1	CF each		3.49	7,431.46	5,054.75	2,378.71
86954	ZI FUEL SURCHG-CARS/PICKUPS< 1 FUEL SURCHG-CARS/PICKUPS< 1 1/2TON/PER/MI Number of Units	70.000 3	MI unit					
86955	ZI FUEL SURCHG-HEAVY TRKS > 1 1 FUEL SURCHG-HEAVY TRKS > 1 1/2 TON/PER MI Number of Units	70.000 2	MI unit					

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Continuation

Invoice Date: June 06, 2011

Invoice Number: 97766508

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
87605	ZI FUEL SURCHG-CMT & CMT ADDIT FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	70.000	MI					
		36.09	ton					
7	ENVIRONMENTAL SURCHARGE,/JOB,Z 000-150	1.000	JOB			134.00	134.00	134.00
8	IRON SAFETY INSPECTION SURCHAR 000-151	1.000	JOB			83.00	83.00	83.00
372867	Cmt PSL - DOT Vehicle Charge, Cmt PSL - DOT Vehicle Charge, CMT	6.000	EA			311.00	1,446.00	1,446.00
114	R/A DENSOMETER W/CHART RECORDE 019-500 NUMBER OF UNITS	1.000	JOB			1,285.00	1,285.00	411.20
		1	each					
139	ADC (AUTO DENSITY CTRL) SYS, / 046-050 NUMBER OF UNITS	1.000	JOB			2,374.00	2,374.00	738.00
		1	each					
132	PORT. DAS W/CEMWIN;ACQUIRE W/H 045-050 NUMBER OF DAYS	1.000	JOB			1,619.00	1,619.00	327.68
		1	Days					
74038	ZI PLUG CONTAINER RENTAL-1ST D DAYS OR FRACTION (MIN1)	1.000	EA	1,322.00		1,322.00		423.04
		1	Days					
90	ZI QUICK LATCH ATTACHMENT 019-251 SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1.000	JOB					
		4.500	in					
		IN						
*483826	TUNED SPACER III SBM, CMT, Tuned Spacer III	20.000	BBL			295.00	1,446.00	1,375.00
*100003680	BARITE	9.000	SK			31.00	2,100.00	83.00
*452984	TUNED LIGHT (TM) SYSTEM	250.00	SK			323.25	84,352.50	24,730.00
*452009	VARICEM (TM) CEMENT CMT, VariCem (TM) cement /	265.00	SK			98.00	26,121.00	8,130.00
*452009	VARICEM (TM) CEMENT CMT, VariCem (TM) cement /	155.00	SK			98.00	15,285.00	4,833.00
*101583425	CLAYFIX 3 CHEM, CLAYFIX 3, TOTE TANK	13.000	GAL			73.04	1,091.52	345.19
*528788	MUD FLUSH III	24.000	BBL			25.12	2,176.20	696.71

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Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
101633304	MUD FLUSH III CHEM, MUD FLUSH III, 40 LB SACK	80.000	LB					
	Taxable							27,133.00
	Non-Taxable							1,402.20
	Total					178,181.97	114,299.76	63,882.21
	INVOICE TOTAL					178,181.97	114,299.76	63,882.21
	Sales Tax - State -CO							1,100.20
								64,982.41
								US Dollars
	CUSTOMER ROUTING DATA: AFE/Project Number : 133617 Operation Category : AFE-290 Noble Remit-To Dept : PLATTEVILLE, CO~ ~ PLATTEVILLE, CO							

**Payment Terms:**

If Customer does not have an approved open account with Halliburton, all sums are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If Customer has an approved open account, invoices are payable based upon the payment terms stated on this invoice or as otherwise stated in the applicable Halliburton contract governing performance or delivery. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable. In the event Halliburton employs an attorney for collection of any amount, Customer agrees to pay all reasonable and necessary attorney fees to recover the unpaid amount, plus all collection and court costs.

Janlyn Wells Phone: 432.683.0216 Cell: 432.296.0276



## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2856661	Quote #:	Sales Order #: 8211697
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep:	
Well Name: Kummer PC	Well #: LE 23-17	API/UWI #:	
Field: WATTENBERG	City (SAP): BRIGGS DALE	County/Parish: Weld	State: Colorado
Contractor: CADE Drilling	Rig/Platform Name/Num: 21		
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: FLING, MATTHEW	Srvc Supervisor: WALL, KENNETH	MBU ID Emp #: 340587	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, ROBERT Paul	9	489399	KENNEDY, SHANNON Anthony	9	469878	LINEBARGER, JOSHUA W	7	419614
PICKETT, RALPH	9	493931	SANFORD, DALE A	2	219527	SINCLAIR, RICHARD	9	368195
SINGH, JARNAIL	9	473131	THOMPSON, STEVEN Darrin	9	445340	WALL, KENNETH W	9	340587
WARD, SAMUEL Winfield	9	478713						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	70 mile	10829457	70 mile	10857012C	70 mile	10857080	70 mile
10867419C	70 mile	10951202	70 mile	10988836	70 mile	11212073	70 mile
11338221	70 mile	11398319	70 mile	11398490	70 mile	11518550	70 mile
11566182	70 mile	11606994	70 mile				

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/31/2011	7.7	5.5	6/1/11	1.5	1.5			

TOTAL

Total is the sum of each column separately

## Job

Formation Name	Job	Job Times
Formation Depth (MD) Top	Bottom	Date Time Time Zone
Form Type	BHST	Called Out 31 - May - 2011 10:00 MST
Job depth MD 6813. ft	Job Depth TVD 6813 ft	On Location 31 - May - 2011 16:30 MST
Water Depth	Wk Ht Above Floor	Job Started 31 - May - 2011 22:19 MST
Perforation Depth (MD) From	To	Job Completed 01 - Jun - 2011 00:03 MST
		Departed Loc 01 - Jun - 2011 01:30 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
Open Hole				7.875				771	8000		
Production	New		4.5	4	11.6		J-55		8000		
Casing											
Surface Casing	Used		8.625	8.097	24		J-55		771		

Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
SHOE-FLT- 4 1/2 8RD - HI-PORT	1	EA		
CLR.FLT.4- 1/2 8RD.9 5-13 5PPF.2-3/4	1	EA		
CTRZR ASSY.TURBO.API.4 1/2 CSG X 7 7/8	48	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	2	EA		
PLUG.CMTG.TOP 4 1/2.HWE.3.65 MIN/4 14 MA	1	EA		
KIT.HALL WELD-A	2	EA		

## Cementing Job Summary

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,BOT,4 1/2,HWE,3.65 MIN/4 14 MA	2	EA		
SHOE,CSG,TIGER TOOTH,8 5/8 IN 8RD	1	EA		
CLR,FLT,TROPHY SEAL,8-5/8 8RD	1	EA		
PLUG,CMTG,TOP,WOODN,TWO CUP TY,8 5/8 IN	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	6	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
KIT,HALL WELD-A	1	EA		

### 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
1	TUNED SPACER III	TUNED SPACER III - SBM (483826)	20.00	bbl	9.7	6.32	43.63	.0	
	38.77 gal/bbl	FRESH WATER							
	45.5 lbm/bbl	BARITE, 100 LB SK (100003680)							
2	Tuned Light	TUNED LIGHT (TM) SYSTEM (452984)	250.0	sacks	10.	2.29	8.49	5.0	8.49
	8.49 Gal	FRESH WATER							
3	Varicem 12#	VARICEM (TM) CEMENT (452009)	265.0	sacks	12.	2.49	13.84	5.0	13.84
	13.84 Gal	FRESH WATER							
4	VariCem 13.0#	VARICEM (TM) CEMENT (452009)	155.0	sacks	13.	1.96	9.92	5.0	9.92
	9.92 Gal	FRESH WATER							
5	Clayfix-3		12.00	Gal	8.33	.0	.0	.0	
	2.5 gal/Mgal	CLAYFIX 3, TOTETANK (101583425)							

Calculated Values		Pressures		Volumes			
Displacement	113	Shut In: Instant	2500	Lost Returns	Cement Slurry	Pad	
Top Of Cement		5 Min		Cement Returns	Actual Displacement	Treatment	
Frac Gradient		15 Min		Spacers	Load and Breakdown	Total Job	

### Rates

Circulating	Mixing	Displacement	Avg. Job
Cement Left In Pipe	Amount	42 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

*Ken Foster*

# Cementing Job Log

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Sold To #: 345242	Ship To #: 2856661	Quote #:	Sales Order #: 8211697
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep:	
Well Name: Kummer PC	Well #: LE 23-17	API/UWI #:	
Field: WATTENBERG	City (SAP): BRIGGSDALE	County/Parish: Weld	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: CADE Drilling		Rig/Platform Name/Num: 21	
Job Purpose: Cement Production Casing		Ticket Amount:	
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: FLING, MATTHEW		MBU ID Emp #: 340587	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Yard Safety Meeting	05/31/2011 14:25							
Depart from Service Center or Other Site	05/31/2011 14:30							
Arrive at Location from Service Center	05/31/2011 16:30							
Assessment Of Location Safety Meeting	05/31/2011 16:35							
Safety Meeting - Pre Rig-Up	05/31/2011 20:25							
Rig-Up Equipment	05/31/2011 20:30							
Safety Meeting	05/31/2011 22:10							
Test Lines	05/31/2011 22:19							TEST LINES TO 3000 PSI
Pump Water	05/31/2011 22:20		2	20			400.0	
Pump Spacer	05/31/2011 22:31		2	24			400.0	MUD FLUSH III
Pump Spacer	05/31/2011 22:39		4	20			400.0	TUNED SPACER III
Pump Water	05/31/2011 22:41		4	10			450.0	
Drop Plug	05/31/2011 22:47							FIRST BOTTOM PLUG
Pump Lead Cement	05/31/2011 22:47		6	102			700.0	250 SACKS TUNED LIGHT CEMENT @ 10#
Drop Plug	05/31/2011 23:03							SECOND BOTTOM PLUG
Pump Cement	05/31/2011 23:03		8	117.5			890.0	265 SACKS @ 12#
Pump Tail Cement	05/31/2011 23:14		4	54.1			200.0	155 SACKS @ 13#



HALLIBURTON

*Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	05/31/2011 23:32							WASH PUMPS & LINES. LOAD TOP PLUG.
Drop Plug	05/31/2011 23:35							
Pump Displacement	05/31/2011 23:35		6	113.2			900.0	
Bump Plug	05/31/2011 23:58		3				1100. 0	TOOK TO 2500 PSI
Check Floats	06/01/2011 00:02							FLOATS HELD, 1 BBL BACK.
End Job	06/01/2011 00:03							
Safety Meeting - Pre Rig- Down	06/01/2011 00:05							
Rig-Down Equipment	06/01/2011 00:10							
Safety Meeting - Departing Location	06/01/2011 01:25							
Depart Location for Service Center or Other Site	06/01/2011 01:30							

Sold To # : 345242

Ship To # : 2856661

Quote # :

Sales Order # :

8211697

SUMMIT Version: 7.20.130

Wednesday, June 01, 2011 12:45:00