

HALLIBURTON

SALES ORDER

Halliburton Energy Services, Inc.

Sales Order Number: 7822302

Sales Order Date: December 09, 2010

SOLD TO:

NOBLE ENERGY INC E-BUSINESS
DO NOT MAIL-100 GLENBOROUGH DR
HOUSTON TX 77067-3610
USA

Rig Name:

Well/Rig Name: NOBLE LAZY D ZN 03-15HZ,WELD
Company Code: 1100
Customer P.O. No.: NA
Shipping Point: Brighton, CO, USA
Sales Office: Rocky Mountains BD
Well Type: Gas
Well Category: Wildcat
Service Location: 0201
Payment Terms: Net 20 days from Invoice date
Ticket Type: Services
Order Type: ZOH

SHIP TO:

NOBLE LAZY D ZN 03-15HZ,WELD
LAZY D ZN 03-15HZ
S3 T11N R66W
GREELEY CO 80631
USA

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM JP010	1.00	JOB					
2	MILEAGE FOR CEMENTING CREW,ZI 000-119 Number of Units	160.000	MI		5.76	921.60	626.69-	294.91
1	ZI-MILEAGE FROM NEAREST HES 000-117 Number of Units	160.000	MI		9.79	7,832.00	5,325.76-	2,506.24
16091	ZI - PUMPING CHARGE 001-016 DEPTH FEET/METERS (FT/M)	1.000	EA		5,584.00	5,584.00	3,797.12-	1,786.88
		2,593						
		FT						
76400	ZI MILEAGE,CMT MTLs DEL/RET 500-306 / MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN NUMBER OF TONS	80.000	MI		3.35	15,999.60	10,879.73-	5,119.87
		59.70	ton					
3965	HANDLE&DUMP SVC CHRg, 500-207 NUMBER OF EACH	1,574.000	CF		5.49	8,641.26	5,876.06-	2,765.20
		1	each					
7	ENVIRONMENTAL CHARGE,/JOB,ZI	1.000	JOB		134.00	134.00		134.00

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Sales Order Number: 7822302

Sales Order Date: December 09, 2010

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
8	000-150 IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1.000	JOB		83.00	83.00		83.00
372867	000-151 Cmt PSL - DOT Vehicle Charge, CMT Cmt PSL - DOT Vehicle Charge, CMT	6.000	EA		241.00	1,446.00		1,446.00
114	R/A DENSOMETER W/CHART 019-500 NUMBER OF UNITS	1.000 1	JOB each		1,285.00	1,285.00	873.80-	411.20
139	ADC (AUTO DENSITY CTRL) SYS, 046-050 NUMBER OF UNITS	1.000 1	JOB each		2,275.00	2,275.00	1,547.00-	728.00
132	PORT. DAS W/CEMWIN;ACQUIRE 045-050 NUMBER OF DAYS	1.000 1	JOB Days		1,649.00	1,649.00	1,121.32-	527.68
74038	ZI PLUG CONTAINER RENTAL-1ST DAYS OR FRACTION (MINI)	1.000 1	EA Days	1,322.00		1,322.00	898.96-	423.04
90	ZI QUICK LATCH ATTACHMENT 019-251 SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1.000 1.000 IN	JOB in		491.00	491.00	333.88-	157.12
452009	VARICEM (TM) CEMENT CMT, VariCem (TM) cement /	685.00	SK		58.88	40,334.22	27,427.27-	12,906.95
452009	VARICEM (TM) CEMENT CMT, VariCem (TM) cement /	550.00	SK		58.92	32,403.30	22,034.24-	10,369.06
100008028	SUGAR, GRANULATED, IMPERIAL	100.000	LB		6.44	644.00	437.92-	206.08
45	Red Dye / 019-000	2.000	EA		250.00	500.00	340.00-	160.00
452009	VARICEM (TM) CEMENT CMT, VariCem (TM) cement /	250.00	SK		58.68	14,670.16	9,975.70-	4,694.46

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Halliburton Energy Services, Inc.

Sales Order Number: 7822302

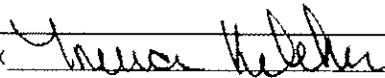
Sales Order Date: December 09, 2010

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
3965	HANDLE&DUMP SVC CHRГ, 500-207 NUMBER OF EACH	317.000 1	CF each		5.49	1,740.33	1,183.42-	556.91
76400	ZI MILEAGE,CMT MTLС DEL/RET 500-306 / MILEAGE,CMTG MTLС DEL/RET PER/TON MLMIN NUMBER OF TONS	80.000 12.00	MI ton		3.35	3,216.00	2,186.88-	1,029.12
16092	ADDITIONAL HOURS (PUMPING / / / 001-018 / CSG PUMPING,ADD HR,ZI HOURS	1.000 27.00	EA hr		1,071.00	28,917.00	19,663.56-	9,253.44
SALES ORDER AMOUNT						170,088.47	114,529.31-	55,559.16
SALES ORDER TOTAL						170,088.47	114,529.31-	55,559.16
Sales Tax - State								1,096.42
Total Weight: 143,882.64 LB								56,655.58
								US Dollars

INVOICE INSTRUCTIONS:

Operator Name:
Customer Agent:

Halliburton Approval: X
Customer Signature: X



HALLIBURTON

Field Ticket

Field Ticket Number: 7822302	Field Ticket Date: Thursday, December 09, 2010
Alt To: NOBLE ENERGY PROD INC EBUSINESS DO NOT MAIL-804 GRAND AVENUE PLATTEVILLE, CO 80651	Job Name: Lazy D Order Type: Streamline Order (ZOH) Well Name: Lazy D ZN 03-15HZ Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Wildcat
Site To: NOBLE LAZY D ZN 03-15HZ, WELD LAZY D ZN 03-15HZ 2823314 S3 T11N R66W GREELEY, CO 80631	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW, ZI	160	MI	0.00	5.76	921.60	68%	294.91
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE, /UNIT	160	MI	0.00	9.79	7,832.00	68%	2,506.24
	Number of Units	5						
16091	ZI - PUMPING CHARGE	1	EA	0.00	5,584.00	5,584.00	68%	1,786.88
	DEPTH	2593						
	FEET/METERS (FT/M)		FT					
76400	ZI MILEAGE, CMT MTLs DEL/RET MIN	80	MI	0.00	3.35	15,999.60	68%	5,119.87
	NUMBER OF TONS	59.7						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES, ZI	1574	CF	0.00	5.49	8,641.26	68%	2,765.20
	NUMBER OF EACH	1						
7	ENVIRONMENTAL CHARGE, /JOB, ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	83.00	83.00		83.00
372867	Cmt PSL - DOT Vehicle Charge, CMT	6	EA	0.00	241.00	1,446.00		1,446.00
114	R/A DENSOMETER W/CHART RECORDER, /JOB ZI	1	JOB	0.00	1,285.00	1,285.00	68%	411.20
	NUMBER OF UNITS	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB, ZI	1	JOB	0.00	2,275.00	2,275.00	68%	728.00
	NUMBER OF UNITS	1						
132	PORT. DAS W/CEMWIN:ACQUIRE W/HES, ZI	1	JOB	0.00	1,649.00	1,649.00	68%	527.68
	NUMBER OF DAYS	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	1,322.00	0.00	1,322.00	68%	423.04

HALLIBURTON

Field Ticket

Field Ticket Number: 7822302	Field Ticket Date: Thursday, December 09, 2010
Bill To: NOBLE ENERGY PROD INC EBUSINESS DO NOT MAIL-804 GRAND AVENUE PLATTEVILLE, CO 80651	Job Name: Lazy D Order Type: Streamline Order (ZOH) Well Name: Lazy D ZN 03-15HZ Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Wildcat
Ship To: NOBLE LAZY D ZN 03-15HZ WELD LAZY D ZN 03-15HZ 2823314 S3 T11N R66W GREELEY, CO 80631	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
	DAYS OR FRACTION (MIN)	1						
90	ZI QUICK LATCH ATTACHMENT	1	JOB	0.00	491.00	491.00	68%	157.12
	SIZE IN INCHESMILLIMETER	1						
	INCHESMILLIMETERS (INMM)		IN					
452009	VARICEM (TM) CEMENT	685	SK			40,334.22	66%	12,906.95
452009	VARICEM (TM) CEMENT	550	SK			32,403.30	68%	10,369.06
10008028	SUGAR, GRANULATED, IMPERIAL	100	LB	0.00	6.44	644.00	68%	206.08
45	Red Dye	2	EA	0.00	250.00	500.00	68%	160.00
452009	VARICEM (TM) CEMENT	250	SK			14,670.16	68%	4,694.46
3965	HANDLE&DUMP SVC CHR. CMT&ADDITIVES,ZI	317	CF	0.00	5.49	1,740.33	68%	556.91
	NUMBER OF EACH	1						
76400	ZI MILEAGE,CMT MTL5 DEL/RET MIN	80	MI	0.00	3.35	3,216.00	68%	1,029.12
	NUMBER OF TONS	12						
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI	1	EA	0.00	1,071.00	26,917.00	68%	9,253.44
	HOURS	27						

Halliburton Rep:	JASON GIBBS	Totals	USD	170,088.47	114,529.31	55,559.16
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Customer Agent: DEVEN ROBERTS

Halliburton Approval

HALLIBURTON

Field Ticket

Field Ticket Number: 7822302	Field Ticket Date: Thursday, December 09, 2010
Bill To: NOBLE ENERGY PROD INC EBUSINESS DO NOT MAIL-804 GRAND AVENUE PLATTEVILLE, CO 80651	Job Name: Lazy D Order Type: Streamline Order (ZOH) Well Name: Lazy D ZN 03-15HZ Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Wildcat
Ship To: NOBLE LAZY D ZN 03-15HZ,WELD LAZY D ZN 03-15HZ 2823314 S3 T11N R66W GREELEY, CO 80631	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
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THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X J.W. Lewis _____ FIELD TICKET TOTAL: USD 55,559.16
 Customer Signature

Was our HSE performance satisfactory? Y or N Were you satisfied with our Equipment? Y or N Were you satisfied with our people? Y or N
 (Health, Safety, Environment)

Comments
Crew did a good job. Thanks

Did we provide job DVA above our normal service today? Y or N Hours: _____ Other: _____ Customer Initials: _____
 Please provide details:

Customer Information Only
AFE/Project Number
Lease/Well Number
Operation Category
Noble Remit-To Dept

DRILLING
REF NO <u>H&P 315</u>
WELL NAME & NO <u>LAZY D ZN03-15H</u>
WELL TAG <u>130140</u>
WELL COMP W/O. PMA <u>ORL</u>
WELL CODE <u>011 17</u>
AMOUNT TO BE APPLIED <u>55,559.16</u>
HSE LEVEL APPROVAL DATE <u>JW</u> <u>12/11/10</u>
NOBLE LEVEL APPROVAL DATE
MAIL TO NOBLE ENERGY INC. 1625 BROADWAY SUITE 2200 DENVER, CO 80202 NO INVOICE WILL BE PAID W/O ALL ATTACHED SIGNED FIELD TICKETS

HALLIBURTON

Work Order Contract

Order Number

7822302

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. ZN 03-15HZ	Farm or Lease Lazy D	County Weld	State Colorado	Well Permit Number 20090371
Customer NOBLE ENERGY INC E-BUSINESS	Well Owner ENCANA USA - EBUS - DJ BASIN	Job Purpose Cement Surface Casing		

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices of Halliburton are exclusive of any federal, state or municipal taxes which may be imposed on the sale or use of any materials, products or supplies furnished or services performed. Customer agrees to pay such taxes in addition to the prices in Halliburton's price list. If Customer does not have an approved open account with Halliburton, all sums due 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 on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorney fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to **RELEASE** Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to **DEFEND, INDEMNIFY, AND HOLD** Halliburton Group **HARMLESS** from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from loss of well control; services to control a wild well whether underground or above the surface, reservoir or underground damage, including loss of oil, gas, other mineral substances or water, surface damage arising from underground damage, damage to or loss of the well bore; subsurface trespass or any action in the nature thereof, fire, explosion, subsurface pressure, radioactivity, and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's **RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS** obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insured on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the current published replacement rate, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.** Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, **HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP.** Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and **CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION**, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION Except for Halliburton's statutory rights with regard to collection of past due invoices for services or materials, including the Contractor's statutory rights for perfection and enforcement of mechanics' and materialmen's liens, Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 10200 Bellaire Blvd, Houston, TX 77072-5299.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. I AM SIGNING THIS WORK ORDER CONTRACT WITH THE UNDERSTANDING THAT ITS TERMS AND CONDITIONS WILL NOT APPLY TO THE EXTENT THEY CONFLICT WITH TERMS AND CONDITIONS OF A SIGNED MASTER SERVICE CONTRACT BETWEEN THE PARTIES.

Customer Acceptance of Terms and Conditions, Materials and Services


 CUSTOMER Authorized Signatory 12-6-10
Date

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2823314	Quote #:	Sales Order #: 7822302
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: ROBERTS, DEVEN	
Well Name: Lazy D	Well #: ZN 03-15HZ	API/UWI #:	
Field: WATTENBERG	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Contractor: H & P	Rig/Platform Name/Num: 315		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW	Srvc Supervisor:	MBU ID Emp #:	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BELL, ROBERT Preston		437060	DIRKS, RICHARD E		485940	Head, Donald		157684
Housman, Charles		480503	IOERGER, TODD A		485941	NIELSON, BRANDON K		479703
OLSON, NICHOLAS Martin		470709	THOMPSON, STEVEN Darrin		445340			

Equipment

HES Unit #	Distance-1 way						
10248062C	80 mile	10679720C	80 mile	10977079C	80 mile	11338223	80 mile
11398319	80 mile	11398490	80 mile	11562544C	80 mile	11562546C	80 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				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	07 - Dec - 2010	00:00	MST
Form Type			BHST	Job Started	07 - Dec - 2010	00:00	MST
Job depth MD	2420. ft		Job Depth TVD	Job Started	08 - Dec - 2010	15:00	MST
Water Depth			Wk Ht Above Floor	Job Completed	08 - Dec - 2010	00:00	MST
Perforation Depth (MD)	From		To	Departed Loc	08 - Dec - 2010	00:00	MST

Well Data

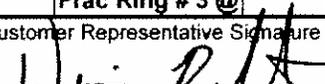
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				13.5					2420.		
Surface Casing	New		9.625	8.921	36.	8 RD	J-55		2420.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
9 5/8 K-55 BTC Tiger Tooth Shoe	1	EA		
SHOE,FLT,9 5/8 BUTRS,2-3/4 SUPER SEAL	1	EA		
CLR,FLT,9-5/8 BUTRS 36-40PPF,2-3/4	1	EA		
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
9 5/8 x 13 3/4	19	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	EA		
KIT,HALL WELD-A	3	EA		
ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	80	MI		
THIRD PARTY FREIGHT CHARGES,ZI	1	EA		

HALLIBURTON

Cementing Job Summary

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk				
1	Water Spacer				50.00	bbl	8.33	.0	.0	5.0					
2	Surface Varicem 12#	VARICEM (TM) CEMENT (452009)			685.0	sacks	12.	2.19	12.46	5.0	12.46				
		12.46 Gal			FRESH WATER										
3	Surface Varicem 14.2#	VARICEM (TM) CEMENT (452009)			550.0	sacks	14.2	1.37	6.32		6.32				
		6.32 Gal			FRESH WATER										
4	Mud Displacement				196.00	bbl	9.	.0	.0	3.0					
Calculated Values				Pressures				Volumes							
Displacement				Shut In: Instant				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	86 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											
															

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2823314	Quote #:	Sales Order #: 7822302
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: ROBERTS, DEVEN	
Well Name: Lazy D	Well #: ZN 03-15HZ	API/UWI #:	
Field: WATTENBERG	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: H & P		Rig/Platform Name/Num: 315	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor:	MBU ID Emp #:

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Other Job or Site	12/07/2010 19:01							
Standby Rig	12/07/2010 19:07							
Assessment Of Location Safety Meeting	12/07/2010 19:35							
Pre-Rig Up Safety Meeting	12/08/2010 09:48							
Rig-Up Equipment	12/08/2010 10:14							
Rig-Up Completed	12/08/2010 11:48							
Safety Meeting	12/08/2010 15:01							
Start Job	12/08/2010 15:34							
Test Lines	12/08/2010 15:36							Test Lines 3000 psi
Pump Spacer 1	12/08/2010 15:40		3		30		133.0	drill water
Pump Cement	12/08/2010 16:05		4		353		150.0	MIX 685 SKS CEMENT @12#GAL
Pump Tail Cement	12/08/2010 17:20		5		134		400.0	mix tail cement 550 sks @14.2 gal
Shutdown	12/08/2010 17:40							
Drop Top Plug	12/08/2010 17:45							
Pump Displacement	12/08/2010 17:47		5		196			drill mud
Bump Plug	12/08/2010 18:37						1700.0	
Release Casing Pressure	12/08/2010 18:45							Release csg psi floats hold rig down

Sold To #: 345242

Ship To #: 2823314

Quote # :

Sales Order # :

7822302

SUMMIT Version: 7.20.130

Thursday, December 09, 2010 04:42:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Event	12/08/2010 18:48							Floats Hold did not get cement to surface have to do top out job
Post-Job Safety Meeting (Pre Rig-Down)	12/08/2010 19:00							
Rig-Down Equipment	12/08/2010 19:17							
Rig-Down Completed	12/08/2010 20:00							
Safety Meeting - Departing Location	12/08/2010 20:11							
Return to Service Center from Job	12/08/2010 20:28							
Pre-Job Safety Meeting	12/09/2010 03:02							
Test Lines	12/09/2010 03:11							Test lines 500 psi
Pump Cement	12/09/2010 03:13		1		76	90.0		
Event	12/09/2010 04:36							CEMENT BACK TO TOP OF CELLAR CEMENT STANDING
Pre-Rig Down Safety Meeting	12/09/2010 04:36							
Rig-Down Completed	12/09/2010 04:52							