

Company:	BLACK RAVEN ENERGY INC			 <b>J-W WIRELINE COMPANY</b> 1-877-457-0013 wireline@jwenergy.com http://www.jwenergy.com/j-w-wireline-company	Date:	12/03/2012
Address:	1331 17TH ST STE 350 DENVER, CO 80202-1566				SO No:	07-19-000683-3227
Well Name:	CLAR B-2				District:	Sterling, CO
Field Name:	ADENA				Truck No:	A-2829
Well County:	MORGAN				Crane:	
Well State:	CO				Crew: Brian Hecht - COMPLETIONS ENGINEER 1 Daniel Lazzaretti - OPERATOR Justin Richards - OPERATOR Alan Barton - OPERATOR	
Customer #:		PO #:				
Contract #:		AFE #:				
Property #:						

## JOB DATA

Casing Size/Weight: /	TD of Casing:	From (depth) ft:	To (depth) ft:
Tubing Size/Weight: /	TD of Tubing:	From (depth) ft:	To (depth) ft:
Well Deviation:	Fluid Level:	Fluid Type:	Fluid Density:
BH Pressure:	WH Pressure:	BH Temp:	Fluid Salinity:
Section/Township/Range:	Lat/Long: /	X/Y Coordinates: 0.000000/0.000000	
Log Measured from:	Log Interval:		
Arrival Time @ 12/3/2012 1:00 PM	Departure Time @ 12/3/2012 2:30 PM	Total Job Time: 01:30	
Well to JW @ 12/3/2012 1:15 PM	Well to Customer @ 12/3/2012 12/3/2012	Total Operating Time: 01:00	


## SERVICE ORDER DETAILS

Item #	Service Code	Description	Qty/Depth	Unit Price	Per	Line Total	Cust. Price
1	WLE8-0009	Wellsite Setup Charge	6000	\$0.25	Per Foot	\$1,500.00	\$600.00
2	WLE2-0005	Gamma Ray/CBL/VDL/CCL Depth Charge	5682	\$0.65	Per Foot	\$3,693.30	\$1,477.32
3	WLE2-0006	Gamma Ray/CBL/VDL/CCL Logging Charge	2332	\$0.65	Per Foot	\$1,515.80	\$606.32
		*** Non-discountable items ***					
4	WLE8-0018	Environmental Fee	1	\$250.00	Per Job	\$250.00	\$250.00

Total Discountable Items:	\$6,709.10
Discount:	(\$4,025.46)
Discountable SubTotal:	\$2,683.64
Total Non-Discountable Items:	\$250.00
Sales Tax: (0.00 %)	\$0.00
Grand Total:	\$2,933.64

The undersigned ("Company") agrees to pay J-W Wireline Company ("Contractor") for the operations to be conducted, or personnel or equipment listed above ("Services") at P.O. Box 226406, Dallas, Texas 75222-6406. The Services shall only be provided according to the Contractor's general terms and conditions ("Terms") as contained in part on the other side of this Purchase Order and as more fully set forth at [www.jwenergy.com/pages/wireline-terms](http://www.jwenergy.com/pages/wireline-terms) and upon request. THESE TERMS CONTAIN PROVISIONS RELATING TO INDEMNITY, RELEASE OF LIABILITY, LIMITATION OF WARRANTY AND ALLOCATION OF RISK.

Print Name	Signature	Date
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<b>Company:</b>	BLACK RAVEN ENERGY INC			 <b>J-W WIRELINE COMPANY</b> 1-877-457-0013 wireline@jwenergy.com http://www.jwenergy.com/j-w-wireline-company	<b>Date:</b>	02/15/2013
<b>Address:</b>	1331 17TH ST STE 350 DENVER, CO 80202-1566				<b>SO No:</b>	07-19-000444-3506
<b>Well Name:</b>	H J CLAR #B-2				<b>District:</b>	Sterling, CO
<b>Field Name:</b>	ADENA				<b>Truck No:</b>	A-2400
<b>Well County:</b>	MORGAN				<b>Crane:</b>	
<b>Well State:</b>	CO				<b>Crew:</b>	Filiberto Lopez - COMPLETIONS ENGINEER 1 Nathan Lechman - OPERATOR Scott Erb - OPERATOR
<b>Customer #:</b>		<b>PO #:</b>				
<b>Contract #:</b>		<b>AFE #:</b>				
<b>Property #:</b>						

## JOB DATA

Casing Size/Weight: 5.500/	TD of Casing:	From (depth) ft:	To (depth) ft:
Tubing Size/Weight: /	TD of Tubing:	From (depth) ft:	To (depth) ft:
Well Deviation:	Fluid Level:	Fluid Type:	Fluid Density:
BH Pressure:	WH Pressure:	BH Temp:	Fluid Salinity:
Section/Township/Range:	Lat/Long: /	X/Y Coordinates: 0.000000/0.000000	
Log Measured from:	Log Interval:		
Arrival Time @ 2/15/2013 6:30 AM	Departure Time @ 2/15/2013 11:15 AM	Total Job Time: 04:45	
Well to JW @ 2/15/2013 7:30 AM	Well to Customer @ 2/15/2013 10:55 AM	Total Operating Time: 03:25	

## SERVICE ORDER DETAILS

Item #	Service Code	Description	Qty/Depth	Unit Price	Per	Line Total	Cust. Price
1	WLE8-0009	Wellsite Setup Charge	6000	\$0.25	Per Foot	\$1,500.00	\$1,500.00
2	WLE2-0005	Gamma Ray/CBL/VDL/CCL Depth Charge	5000	\$0.65	Per Foot	\$3,250.00	\$3,250.00
3	WLE2-0006	Gamma Ray/CBL/VDL/CCL Logging Charge	2000	\$0.65	Per Foot	\$1,300.00	\$1,300.00
4	WLE5-0172	Casing - Slick Guns - 3 1/8" OD (Blanks Charge)	0	\$17.00	Per Shot	\$0.00	\$0.00
5	WLE5-0170	Casing - Slick Guns - 3 1/8" OD (Depth Charge)	5622	\$0.20	Per Ft	\$1,124.40	\$1,124.40
6	WLE5-0174	Casing - Slick Guns - 3 1/8" OD (Operations Charge)	67	\$45.00	Per Shot	\$3,015.00	\$3,015.00
7	WLE9-0042	Packoff and Pump In Sub *** Non-discountable items ***	1	\$600.00	Per Run	\$600.00	\$600.00
8	WLE8-0018	Environmental Fee	1	\$250.00	Per Job	\$250.00	\$250.00

Bond log surface squeeze job under pressure.  
Perf intervals 5610-22", 6 spf, 12' net, 67 total shots, 19 gm charge, 0.40" ehd, 38.87" pene,

Total Discountable Items:	\$10,789.40
Discount:	(\$8,839.40)
Discountable SubTotal:	\$1,950.00
Total Non-Discountable Items:	\$250.00
Sales Tax: (0.00 %)	\$0.00
Grand Total:	\$2,200.00

The undersigned ("Company") agrees to pay J-W Wireline Company ("Contractor") for the operations to be conducted, or personnel or equipment listed above ("Services") at P.O. Box 226406, Dallas, Texas 75222-6406. The Services shall only be provided according to the Contractor's general terms and conditions ("Terms") as contained in part on the other side of this Purchase Order and as more fully set forth at [www.jwenergy.com/pages/wireline-terms](http://www.jwenergy.com/pages/wireline-terms) and upon request. THESE TERMS CONTAIN PROVISIONS RELATING TO INDEMNITY, RELEASE OF LIABILITY, LIMITATION OF WARRANTY AND ALLOCATION OF RISK.

Print Name <i>Beth L. Chappe 11</i>	Signature <i>Beth L. Chappe</i>	Date <i>2-15-13</i>
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