

Company:	BLACK RAVEN ENERGY INC		 J-W WIRELINE COMPANY 1-877-457-0013 wireline@jwenergy.com http://www.jwenergy.com/j-w-wireline-company	Date:	12/05/2012
Address:	1331 17TH ST STE 350 DENVER, CO 80202-1566			SO No:	07-19-000444-3474
Well Name:	CLAR B-1			District:	Sterling, CO
Field Name:	ADENA			Truck No:	A-2400
Well County:	MORGAN			Crane:	
Well State:	CO			Crew:	
Customer #:	PO #:			Filiberto Lopez - COMPLETIONS ENGINEER 1	
Contract #:	AFE #:			Nathan Lechman - OPERATOR	
Property #:				Jose Moreno - OPERATOR	

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 @ 12/5/2012 11:45 AM	Departure Time @ 12/5/2012 1:50 PM	Total Job Time: 02:05	
Well to JW @ 12/5/2012 11:45 AM	Well to Customer @ 12/5/2012 12:5/2012	Total Operating Time: 01:55	

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	WLE0-0015	Crane	1	\$2,000.00	Per Day	\$2,000.00	\$2,000.00
3	WLE2-0005	Gamma Ray/CBL/VDL/CCL Depth Charge	5000	\$0.65	Per Foot	\$3,250.00	\$3,250.00
4	WLE2-0006	Gamma Ray/CBL/VDL/CCL Logging Charge	2000	\$0.65	Per Foot	\$1,300.00	\$1,300.00
		*** Non-discountable items ***					
5	WLE8-0018	Environmental Fee	1	\$250.00	Per Job	\$250.00	\$250.00

bond log	Total Discountable Items:	\$8,050.00
	Discount:	(\$5,900.00)
	Discountable SubTotal:	\$2,150.00
	Total Non-Discountable Items:	\$250.00
	Sales Tax: (0.00 %)	\$0.00
Grand Total:		\$2,400.00

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 and upon request. THESE TERMS CONTAIN PROVISIONS RELATING TO INDEMNITY, RELEASE OF LIABILITY, LIMITATION OF WARRANTY AND ALLOCATION OF RISK.

Print Name	Signature	Date 12-5-12
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