


<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>	11/22/2014
<b>Address:</b>	1331 17TH ST STE 350 DENVER, CO 80202-1566			<b>SO No:</b>	07-19-000444-3943
<b>Well Name:</b>	DAVIS #4			<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> Eli Kruger - WIRELINE OPERATOR I Filiberto Lopez - WIRELINE SERVICE SUPERVISOR I Evan Albrandt - 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: 6 1N 57W		Lat/Long: /	
Log Measured from:		Log Interval:	
Arrival Time @ 11/22/2014 7:00 AM	Departure Time @ 11/22/2014 12:15 PM	Total Job Time: 05:15	
Well to JW @ 11/22/2014 8:00 AM	Well to Customer @ 11/22/2014 12:00 PM	Total Operating Time: 04:00	

## 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	\$1,500.00
2	WLE2-0006	Gamma Ray/CBL/VDL/CCL Logging Charge	5646	\$0.65	Per Foot	\$3,669.90	\$3,669.90
3	WLE2-0005	Gamma Ray/CBL/VDL/CCL Depth Charge	5646	\$0.65	Per Foot	\$3,669.90	\$3,669.90
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)	5646	\$0.20	Per Ft	\$1,129.20	\$1,129.20
6	WLE5-0174	Casing - Slick Guns - 3 1/8" OD (Operations Charge)	144	\$45.00	Per Shot	\$6,480.00	\$6,480.00
7	WLE5-0050	Casing - Expendable - 3 1/8" OD (Depth Charge)	5618	\$0.20	Per Ft	\$1,123.60	\$1,123.60
8	WLE5-0061	Casing - Expendable - 3 1/8" OD (Blanks Charge)	0	\$17.00	Per Shot	\$0.00	\$0.00
9	WLE5-0053	Casing - Expendable - 3 1/8" OD (Operations Charge)	192	\$67.00	Per Ft	\$12,864.00	\$12,864.00
		*** Non-discountable items ***					
10	WLE8-0018	Environmental Fee	1	\$250.00	Per Job	\$250.00	\$250.00

SHOOTING DEPTHS: Bond log from 5646' to surface, Perf intervals 5620'-5644', 24' net, 144 total shots, and 5586-5618, 32' net, 192 total shots, each 6 jspr, 19 gm charge, 0.39" ehd, 40.56" pene. 60" Phasing,

Total Discountable Items:	\$30,436.60
Discount:	(\$17,986.60)
Discountable SubTotal:	\$12,450.00
Total Non-Discountable Items:	\$250.00
Sales Tax: (0.00 %)	\$0.00
Grand Total:	\$12,700.00

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	Signature	Date
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