



PAGE	CUST NO	INVOICE DATE
1 of 1	1007359	12/18/2013
INVOICE NUMBER		
1724 - 91363104		

FT Morgan - 970-867-2766

B BLACK RAVEN ENERGY INC
 I 1331 17TH ST STE 350
 L DENVER
 L CO US 80202
 T
 O ATTN:

Received - Denver
 DEC 22 2013
 ACCOUNTS PAYABLE
 gy, Inc.

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LEASE NAME NICHOLS #2
 LOCATION
 COUNTY MORGAN
 STATE CO
 JOB DESCRIPTION Acid-Form Stim-Producing
 JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40672876	70291-0		Net - 30 days	01/17/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 12/18/2013 to 12/18/2013				
0040672876				
172415570F Acid-Form Stim-Producing 12/18/2013				
NE-9	3.00	EA	53.42	160.26
KCL	2.00	EA	118.18	236.36
MAVHIB 7	3.00	EA	51.60	154.81
S-1	1.50	EA	23.39	35.09
MAVCIDE II	1.00	EA	71.10	71.10
IC-100	12.00	EA	10.25	123.02
PC-1	1.00	EA	34.08	34.08
10% ACETIC ACID	500.00	GAL	2.44	1,221.77
HEAVY EQUIPMENT MILEAGE	40.00	MI	3.32	132.63
LIGHT EQUIPMENT MILEAGE	40.00	HR	1.84	73.72
ACID/KILL PUMP	1.00	EA	331.15	331.15
ACID SEMI TRAILER	4.00	EA	93.88	375.53
TREATER	1.00	HR	189.23	189.23
OPERATOR	2.00	HR	94.62	189.23

Acid Job

5070/638

*ape
 12-26-13
 ICC-30-200
 BRH*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,327.98
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	0.00
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	3,327.98
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		

[Signature] 12/19/13

Date: 18-Dec-13

Well Name: NICHOLS #2	Location:	Customer Rep: BILLY HATAWAY	Field Order # 15570
Stage:	Formation: D-SAND	Treat Via: TUBING	Allowable Pressure Tbg Csg 5,000 Well Type: OIL
County: MORGAB	State: CO	Well Age: REWORK	PackerType: PackerDepth: Csg Size: 5.5
Type Of Service: ACID	Csg Depth 28	Tbg Size: 2.375	Tbg Depth: Liner Size:
Customer Name: BLACK RAVEN	Liner Depth:	Liner Top:	Liner Bot: Total Depth:
Address:	Open Hole:	Csg Vol: 22.65	BHT:
Remarks: SAFETY MEETING PRESSURE TEST TO PSI	Perf Depths: 5627	Perfs: 5632	TotalPerfs: 0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	FOAM/FLD (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
9:09	0.7		300		SAFETY MEETING	0	0	0.0
9:09	0.1		320		PRESSURE TEST TO 5100 PSI	0	0	0.0
9:11	0.0		66		START PUMPING ACID	0	546	13.0
9:14	4.7		32		START FLUSH	0	882	21.0
9:20	0.0		126		STOP PUMPING	0	0	0.0
Total:						0	1,428	34.0

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
4.7	4.1	5,123	1,539

Customer Acknowledgement:

Billy Hataway

Service Rating:

- Satisfactory
 Unsatisfactory

Treater:

JOHN CASTEEL

PRODUCTS USED

NE-9,KCL,MAVHIB-7,S-1.MAVCIDE-II,IC-100,PC-1,10 % ACETIC ACID

BLACK RAVEN

NICHOLS # 2 - FORMATION - ACID

