



Thornton Air Rotary, LLC

PO Box 449
Caney, KS 67333

Date	Invoice #
6/22/2011	144-2

Phone # 620-879-2073 E-Mail
Fax # 620-879-2073 thorntonairrotary@hotmail.com

Bill To
Post Rock Energy Corporation 210 Park Avenue, Suite 2750 Oklahoma City, OK 73102

Terms
Due on receipt

Description	Footage/Quantity	Rate	Amount
Kramer, Jerry L. Well # 31-3	1,120	8.50	9,520.00
Surface Pipe	22	20.00	440.00
Water Truck Charge (100 barrel) for loading hole		90.00	90.00
Cement	4	12.00	48.00

We appreciate the opportunity to work for you!	Total	\$10,098.00
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Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC
Office Phone: 620-879-2073

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Date Started	6/20/2011
Date Completed	6/21/2011

Well No.	Operator	Lease	A.P.I #	County	State
31-3	Post Rock Energy	Kramer, Jerry L.	15-133-27557-00-00	Neosho	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			31	29	19 E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Sean	Gas	4	22' 8 5/8	1120	7 7/8

Formation Record

0-2	DIRT	455	GAS TEST - NO GAS	800-836	SANDY SHALE
2-12	CLAY	458-460	SHALE	836-912	SHALE
12-62	LIME	460-465	LIME	912-916	BLACK SHALE
62-64	BLACK SHALE	465-469	BLK SHALE (LEXINGTON)	916-974	SHALE
64-69	LIME	469-510	SHALE	931	GAS TEST-30Z ON 1/8= .915 MCF
69-88	SHALE	480	GAS TEST - NO GAS	974-975	COAL
88-104	SAND	510-532	LIME (OSWEGO)	975-977	SHALE
104-132	SHALE	532-536	BLK SHALE (SUMMIT)	977-1010	CHAT/CHIRT (MISS.)
132-148	LIME	536-540	SHALE	981	WENT TO WATER
148-181	SHALE	540-546	LIME	1006	GAS TEST-1 1/2OZ ON 1/2= 7.42 MCF
181-197	LIME	546-550	BLK SHALE (MULKY)	1010-1060	LMY CHIRT
197-200	BLACK SHALE	550-552	LIME	1060-1120	CHAT/CHIRT
200-210	SHALE	552-556	SHALE	1120	GAS TEST - SAME
210-214	BLACK SHALE	555	GAS TEST-SLIGHT BLOW	1120	TD
214-224	SHALE	556-570	SAND		
224-226	LIME	570-631	SHALE		
226-239	SHALE	631-632	COAL		
239-245	LMY SHALE	632-650	SHALE		
245-283	SHALE	650-652	LIME		
283-286	LIME	652-655	BLACK SHALE		
286-299	SHALE	655-656	COAL		
299-314	LMY SHALE	656-672	SAND		
314-323	LIME	672-710	SHALE		
323-326	BLACK SHALE	705	GAS TEST - SAME		
326-337	LIME	710-720	SAND-GOOD OIL ODOR/SHOW		
337-431	SHALE	720-735	SANDY SHALE		
380	GAS TEST - NO GAS	735-758	SHALE		
431-432	COAL (MULBERRY)	758-761	BLACK SHALE		
432-434	SHALE	761-785	SHALE		
434-458	LIME (PAWNEE)	785-800	SAND		