



Thornton Air Rotary, LLC

PO Box 449
Caney, KS 67333

Date	Invoice #
1/4/2013	291-2

Phone # 620-879-2073 E-Mail
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Carlson, Barry L 5-2
API# 15205280800000

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

Terms
Due on receipt

Description	Footage/Quantity	Rate	Amount
Carlson, Barry L Well # 5-4 <div style="border: 1px solid red; padding: 2px; display: inline-block;">Carlson, Barry L 5-2 API# 15205280800000</div>	1,107	8.50	9,409.50

We appreciate the opportunity to work for you!		Total	\$9,409.50
		Payments/Credits	\$0.00
		Balance Due	\$9,409.50

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
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Date Started	12/19/2012
Date Completed	1/3/2013

Carlson, Barry L 5-2
API# 15205280800000

Operator	A.P.I #	County	State
Post Rock Energy	15-205-28069-00-00	Wilson	Kansas

Well No.	Lease	Sec.	Twp.	Rge.
5-4	Carlson, Barry L	5	28	17

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
Oil	Brantley Thornton	5	20' 8 5/8	1107	7 7/8

Formation Record

0-2	MUD	635-667	LIME (PAWNEE)	1096-1107	SANDY SHALE
2-8	SHALE	667-690	SHALE	1107	TD
8-10	LIME	690-704	LIME (OSWEGO)		
10-80	SHALE	704-710	BLK SHALE (SUMMIT)		
80-115	LIME	710-722	LIME		
115-145	SAND / DAMP	722-727	BLK SHALE (MULKY)		
145-200	SAND / REAL DAMP	727-728	COAL		
206	WENT TO WATER	728-731	LIME		
200-241	SHALE	731-744	SANDY SHALE		
241-243	LIME	744-745	COAL / BLK SHALE		
243-260	SANDY SHALE	745-788	SHALE		
260-279	LIME	788-789	BLK SHALE / COAL		
279-290	SHALE	789-825	SHALE		
290-320	LIME	825-826	BLK SHALE / COAL		
320-350	SANDY SHALE	826-925	SAND		
350-365	LIME	925-927	COAL (WEIR)		
365-374	SHALE	927-933	SAND (BVILLE)		
374-375	COAL	933-938	SAND / GOOD ODOR		
375-415	LIME	938-960	SANDY SHALE		
415-420	SHALE	960-962	COAL		
420-440	BLACK SHALE	962-980	SAND		
440-465	SANDY SHALE	980-990	SAND / ODOR & SHOW		
465-493	SAND	990-1010	SAND / GOOD ODOR		
493-500	BLACK SHALE	1010-1025	SAND / ODOR & SHOW		
500-525	LIME	1025-1045	SAND / LT ODOR		
525-530	SANDY LIME	1045-1075	SANDY SHALE / LT ODOR		
530-540	LIME	1075-1088	SANDY SHALE		
540-560	LMY SHALE	1088-1090	COAL		
560-634	SHALE	1090-1094	SANDY SHALE		
634-635	COAL (MULBERRY)	1094-1096	COAL		