



# Thornton Air Rotary, LLC

PO Box 449  
Caney, KS 67333

Date	Invoice #
1/31/2013	301-2

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
Hines Farms Well # 22-2	731	8.50	6,213.50

We appreciate the opportunity to work for you!	
<b>Total</b>	\$6,213.50
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$6,213.50

Air Drilling Specialist  
Oil & Gas Wells

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

PO Box 449  
Caney, KS 67333

Date Started	<b>1/30/2013</b>
Date Completed	<b>1/31/2013</b>

Operator	A.P.I #	County	State
<b>Post Rock Energy</b>	<b>15-133-27623-00-00</b>	<b>Neosho</b>	<b>Kansas</b>

Well No.	Lease	Sec.	Twp.	Rge.
<b>22-2</b>	<b>Hines Farms</b>	<b>22</b>	<b>28</b>	<b>19</b>

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
<b>Oil</b>	<b>Brantley Thornton</b>	<b>5</b>	<b>21' 8 5/8</b>	<b>731</b>	<b>7 7/8</b>

**Formation Record**

0-1	MUD	450-522	SANDY SHALE		
1-21	SANDY LIME	522-524	COAL		
21-40	LIME	524-550	SHALE		
40-45	SHALE	550-552	COAL		
45-50	LIME	552-586	SANDY SHALE		
50-52	SANDY SHALE	586-588	COAL		
52-70	SAND	588-605	SAND		
70-90	LIME / HARD	605-606	COAL		
90-117	SHALE	606-617	SAND		
117-130	LIME	617-619	COAL		
130-140	SANDY LIME	619-629	SAND /GOOD ODOR & SHOW		
140-160	LIME / HARD	629-635	SAND/LT SHOW & ODOR		
160-230	SHALE	635-650	SAND		
230-250	LIME	650-665	SANDY SHALE		
250-280	SHALE	665-670	RED SHALE		
280-282	COAL	670-681	SHALE		
282-292	SHALE	681-682	LIME		
292-300	SAND	682-702	SANDY SHALE		
300-323	SANDY SHALE	702-703	COAL		
323-327	LIME	703-709	SANDY SHALE		
327-329	COAL	709-711	LIME		
329-370	LIME (PAWNEE)	711-720	SHALE		
370-375	BLACK SHALE	720-727	SAND		
375-376	LIME	727-729	COAL		
376-413	SHALE	729-731	BLACK SHALE		
413-433	LIME (OSWEGO)	731	TD		
433-441	BLK SHALE (SUMMIT)				
441-445	LIME				
445-446	COAL (MULKY)				
446-450	BLACK SHALE				