



Thornton Air Rotary, LLC

PO Box 449
Caney, KS 67333

Date	Invoice #
12/20/2012	290-2

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
Hardin, B Well # 27-5	1,032	8.50	8,772.00

We appreciate the opportunity to work for you!

Total	\$8,772.00
Payments/Credits	\$0.00
Balance Due	\$8,772.00

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	12/18/2012
Date Completed	12/19/2012

Operator	A.P.I #	County	State
Post Rock Energy	15-205-28073-00-00	Wilson	Kansas

Well No.	Lease	Sec.	Twp.	Rge.
27-5	Hardin, B	27	28	17

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
Oil	Brantley Thornton	5	21' 8" 8 5/8	1032	7 7/8

Formation Record

0-3	DIRT	615-616	COAL		
3-15	CLAY	616-645	LIME		
15-120	SHALE	645-648	BLACK SHALE		
120-123	LIME	648-687	SHALE		
123-133	SAND	687-706	LIME		
133-142	LIME	706-712	BLK SHALE (SUMMIT)		
142-145	SHALE	712-719	LIME		
145-146	COAL	719-726	BLK SHALE (MULKY)		
146-170	SHALE	726-807	SHALE		
170-173	LIME	807-809	LIME (V-LIME)		
173-204	SHALE	809-810	SHALE		
204-208	LIME	810-812	COAL (CROWBERG)		
208-211	SHALE	812-847	SANDY SHALE		
211-235	LIME	847-848	COAL		
235-238	SHALE	848-895	SANDY SHALE		
238-282	LIME	895-896	COAL		
282-289	SANDY SHALE	896-915	SAND/ LT ODOR		
289-296	LIME / DAMP	915-925	SAND / ODOR		
296-308	SAND	925-931	SAND/ ODOR & SHOW		
308-325	SHALE	931-932	COAL		
325-353	LIME	932-940	SANDY SHALE/ LT ODOR		
353-359	SHALE	940-950	SHALE		
359-405	LIME / WET	950-953	COAL		
405-470	SHALE	953-967	SAND / NO ODOR		
470-473	LIME	967-1032	SHALE		
473-482	LMY SHALE	1032	TD		
482-596	SHALE				
596-597	COAL				
597-606	SHALE				
606-615	LIME				