

# Bearcat Drilling, LLC

5424 US Highway 64  
Farmington, NM 87401

PO Box 717  
Farmington, NM 87499

Phone: 505-327-5218  
FAX: 505-564-9185

December 17, 2002

Phoenix Hydrocarbons Operating Corporation  
Attn. Phyllis

30-045-30801

FAX: 915-686-7798

Re: Deviation Report

Federal E #2R

23 Section 7/27N/8W

San Juan, NM

Phyllis,

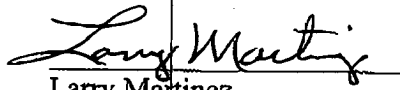
The following surveys were taken by our crews on Rig #1 during the drilling of the above mentioned well.

90'	1 ¼	2850'	1 ¼
212'	1 ¼	3384'	1
318'	1 ¼	3888'	1
855'	1 ¼	4285'	1 ¼
1340'	1 ¼	4798'	1
1888'	3		
2351'	1		

Sincerely,

  
Gary Halliburton

Safety/Personnel/Contracts



Larry Martinez  
Asst. Drilling Superintendent