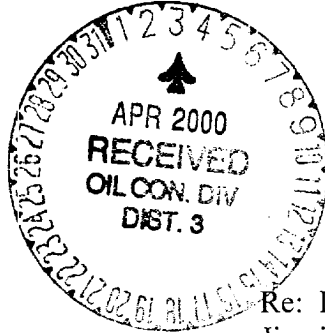


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BEARCAT DRILLING

P. O. Box 717
Farmington, New Mexico 87499
Office: (505) 327-5218 ■ FAX: (505) 564-9185

October 19, 1999

Mallon Oil Company
Attn: Christy Serrano
P.O. Box 2797
Durango, CO 81301



Re: Deviation Survey Record
Jicarilla 30-3-33 #3
Section 33-T30N-R3W
Rio Arriba County, NM

Dear Ms. Serrano:

The following are the deviation surveys conducted by our Rig #1 crews on the above referenced well.

Depth	Deviation Degrees	Depth	Deviation Degrees	Depth	Deviation Degrees
90'	3/4	215'	3/4	614'	1/4
1114'	1/2	1631'	1	1801'	1-1/4
2081'	1-1/4				


Ron Mahan-Contract Manager

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