



BEARCAT DRILLING

P. O. Box 717

Farmington, New Mexico 87499

Office: (505) 327-5218 • FAX: (505) 564-9185

January 11, 2000

Mallon Oil Company
Attn: Christy Serrano
P.O. Box 2797
Durango, CO 81302



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Re: Deviation Survey Record
Jicarilla 451-3 #2
Section 3-T29N-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'	1/4	181'	1/2	640'	3/4
1123'	1-1/4	1562'	1-1/4	2100'	1-3/4

Bearcat Drilling Company

Bowen Vallejos
Drilling Superintendent

Subscribed and sworn before me on this the 11th day of January, 2000.

G. R. Mahan
San Juan County, NM