

BEARCAT DRILLING

P. O. Box 717

Farmington, New Mexico 87499

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

January 7, 2000

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



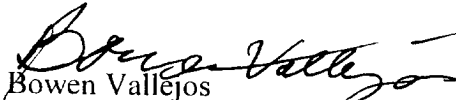
Re: Deviation Survey Record
Jicarilla 451-3 #4
Section 3-T29N-R3W
Rio Arriba County, NM

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
89'	1/2	180'	1/4	680'	3/4
1168'	1-1/4	1630'	1	2192'	1-1/4
2717'	1-3/4	3200'	2-1/4	3717'	2
3990'	2-1/4				

Bearcat Drilling Company


Bowen Vallejos
Drilling Superintendent

Subscribed and sworn before me on this the 7th day of January, 2000.


G. R. Mahan
San Juan County, NM