

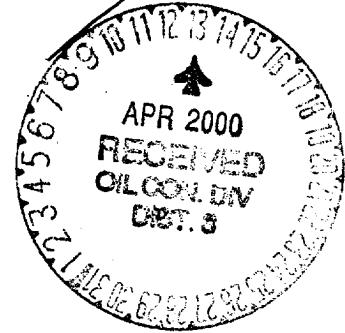


BEARCAT DRILLING

P. O. Box 717

Farmington, New Mexico 87499

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



December 6, 1999

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

Re: Deviation Survey Record
Jicarilla 459 SJ #8
Section 17-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
94'	1	214'	1-1/2	717'	1-1/4
1214'	3/4	1712'	3/4		

Bearcat Drilling Company

Bowen Vallejos

Bowen Vallejos
Superintendent

Subscribed and sworn before me on this the 6th day of December, 1999

G. R. Mahan

G. R. Mahan
San Juan County, NM

~~CONFIDENTIAL~~