



BEARCAT DRILLING

P. O. Box 717

Farmington, New Mexico 87499

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

December 3, 1999

~~CONFIDENTIAL~~

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



Re: Deviation Survey Record
Jicarilla 460 SJ#2
Section 21-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
217'	1/2	711'	1	1209'	1-1/4
1707'	1	1769'	1-1/2		

Bearcat Drilling Company

Larry Martinez

Larry Martinez
Assn't Drilling Superintendent

Subscribed and sworn before me on this the 3rd day of December, 1999.

G. R. Mahan

G. R. Mahan
San Juan County, NM

~~CONFIDENTIAL~~