

BEARCAT DRILLING

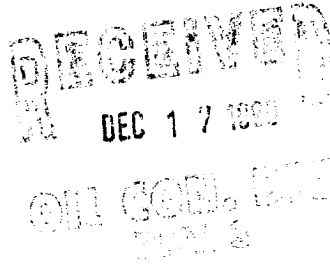
P. O. Box 717

Farmington, New Mexico 87499

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

November 8, 1999

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



Re: Deviation Survey Record
Jicarilla 464 #8 SJ
Section 29-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
93'	¾	212'	1	711'	2-1/2
962'	1-3/4	1212'	2	1402'	2
1711'	1-1/4	2083'	½		

Bearcat Drilling Company

Larry Martinez
Asst. Superintendent

Subscribed and sworn before me on this the 25th day of October, 1999

G. R. Mahan
San Juan County, NM