

BEARCAT DRILLING

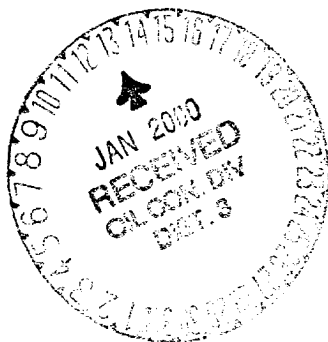
P. O. Box 717

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

November 15, 1999

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



Re: Deviation Survey Record
Jicarilla 464 #1 SJ
Section 30-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
92'	$\frac{3}{4}$	213'	$\frac{3}{4}$	527'	$\frac{1}{2}$
1025'	1-1/4	1524'	$\frac{3}{4}$	1803'	1
2100'	1				

Bearcat Drilling Company

Larry Martinez

Asst. Superintendent

Subscribed and sworn before me on this the 15th day of November, 1999

G. R. Mahan

San Juan County, NM