



BEARCAT DRILLING

P. O. Box 717

Farmington, New Mexico 87499

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

November 1, 1999

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

Re: Deviation Survey Record
Jic 30-3-28 SJ #1
Section 28-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
93'	$\frac{3}{4}$	213'	$\frac{1}{2}$
382'	$\frac{1}{2}$	924'	$\frac{3}{4}$
1174'	1-1/2	1360'	$\frac{3}{4}$
1611'	1-3/4	1793'	3-1/4
1891'	3-3/4	1985'	3-1/2
2079'	3-1/4		

RECEIVED
NOV 30 1999
OIL & GAS DIV.
BMT. S

Bearcat Drilling

Bowen Vallejos
Drilling Superintendent

Bowen Vallejos

Subscribed and sworn before me on November 1, 1999.

G. R. Mahan

G. R. Mahan

My commission expires October 20, 2003