

DRILLING CO., INC. - DIL WELL DRILLING CONTRACTORS

P. D. Box 1498 RDSWELL, NEW MEXICO 88202-1498 505/623-5070 505/746-2719 RDSWELL, NM ARTESIA, NM

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December 18, 1997

Ray Westall Operating P.O. Box 4 Loco Hills, New Mexico 88255

RE: Rawhide Federal #1

Gentlemen:

Unit E 2310/N @ 660/W 24 - 195 - 32e 30 - 025 - 33769

The following is a Deviation Survey on the above referenced well located in Eddy County, New Mexico.

450'- 1/2 <sup>0</sup>	2,437' - 2 <sup>0</sup>	4,300' - 1 <sup>0</sup>	6,692' - 1 <sup>0</sup>
530'- 1/2 <sup>0</sup>	2,570' - 2 1/2 <sup>0</sup>	4,726' - 1 <sup>0</sup>	7,108' - 1 1/4 <sup>0</sup>
1,003' - 3/4 <sup>0</sup>	2,720' - 2 1/2 <sup>0</sup>	5,185' - 1 <sup>0</sup>	7,314' - 1 1/2 <sup>0</sup>
1,472' - 1 <sup>0</sup>	3,381' - 1 1/2 <sup>0</sup>	5,711' - 1 <sup>0</sup>	7,750' - 1 3/4 <sup>0</sup>
1,967'- 1/4 <sup>0</sup>	3,865' - 1 <sup>0</sup>	6,204' - 1 <sup>0</sup>	

Sincere Chappel1 Gar

Contracts Manager

STATE OF NEW MEXICO)

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COUNTY OF CHAVES

The foregoing was acknowledged before me this 18th day of December 1997 by Gary W. Chappell.

MY COMMISSION EXPIRES

NOTARY PUBLIC

JUNE 20, 2000