



Box 3360  
Casper, Wyoming 82602

December 16, 1977

*Unit 1*  
Re: John Charles 6A  
Sec. 13-T27N-R9W  
San Juan County, New Mexico

State of New Mexico  
Oil & Gas Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Gentlemen:

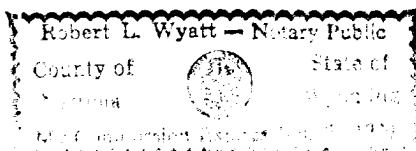
Listed below are the deviation surveys run during the drilling of the above captioned well.

307 -  $1\frac{1}{2}^{\circ}$   
320 -  $1\frac{1}{4}^{\circ}$   
1283 -  $3\frac{3}{4}^{\circ}$   
1790 -  $3\frac{3}{4}^{\circ}$   
2353 -  $3\frac{3}{4}^{\circ}$   
3398 -  $1^{\circ}$   
TD 4470 -  $2^{\circ}$



I hereby certify that the above information is true and correct to the best of my knowledge.

*R.J. McWhirter*  
R.J. McWhirter  
Area Superintendent



*Robert L. Wyatt*