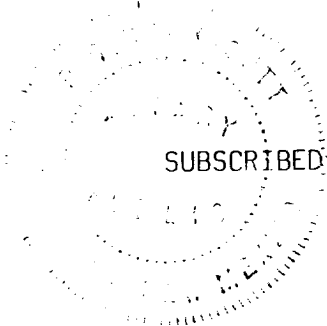


James L. Ludwick  
Ludwick #3  
1935' FNL 450' FWL  
E-7-19N-5W  
McKinley County

Listed below are the deviation measurements taken during the drilling of the title well:

192'	1/4 <sup>0</sup>
650'	1/4 <sup>0</sup>
1065'	1/2 <sup>0</sup>
1665'	1/2 <sup>0</sup>
2250'	1/2 <sup>0</sup>

I hereby certify the above to be true and correct to the best of my knowledge and belief.

  
AR Kendrick  
Agent for James L. Ludwick

SUBSCRIBED and sworn to before me this 11<sup>th</sup> day of December, 1984.

John J. Humm  
Notary Public

My commission expires March 29, 1986 .

RECEIVED  
DEC 13 1984  
OIL CON. DIV.  
DIST. 3