

DEVIATION SURVEY REPORT

RECEIVED

OCT 12 1982

Re: OPERATOR: JACK J. GRYNBERG  
WELL NAME: GRYNBERG 17 FEDERAL COM #1  
WELL LOCATION: NESW Sec. 17, T6S-R25E  
1980' FSL & 1980' FWL  
Chaves County, NM

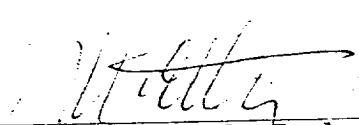
O. C. D.  
ARTESIA, OFFICE

TOTCO DEVIATION SURVEY:

<u>DATE</u>	<u>DEPTH/FT.</u>	<u>DEVIATION/DEGREE</u>
9/1/82	446'	1/4 deg.
9/2/82	910'	1/2 deg.
9/3/82	1410'	1/2 deg.
9/4/82	1929'	1/2 deg.
	2556'	1/2 deg.
9/5/82	3151'	3/4 deg.
9/6/82	3650'	3/4 deg.
9/7/82	4075'	3/4 deg.

I hereby certify that the above deviation survey, performed on the referenced well, is true and correct to the best of my knowledge.

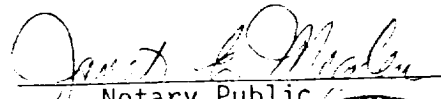
JACK GRYNBERG AND ASSOCIATES

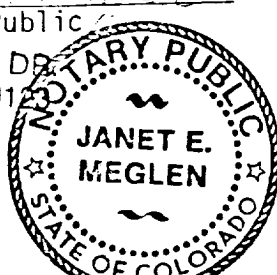
  
MORRIS ETTINGER, Exploration Manager

STATE OF COLORADO )  
COUNTY OF DENVER ) SS.

On this 7th day of October, 1982, before me, a Notary Public in and for said County and State, personally appeared Morris Ettinger, to me known to be the identical person described in and who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

WITNESS my hand and official seal the day and year above written.

  
Notary Public  
8065 W. FREMONT DR.  
LITTLETON, CO 80120



My commission expires:

My Commission Expires Nov. 5 1985