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MAY 26 1982

O. C. D.
ARTESIA, OFFICE

DEVIATION SURVEY REPORT


Re: OPERATOR: JACK GRYNBERG AND ASSOCIATES
WELL NAME: GRYNBERG 17 FEDERAL "Com" #1 ✓
WELL LOCATION: NWSE Sec. 17, T6S-R25E
1980' FSL & 1980' FEL
Chaves County, NM

TOTCO DEVIATION SURVEY:

<u>DATE</u>	<u>DEPTH/FT</u>	<u>DEVIATION/DEGREE</u>
1/30/82	500'	1/4
1/31/82	896'	1/4
2/3/82	1357'	1
2/4/82	1613'	1/2
2/11/82	3404'	1/2
2/14/82	4230'	1 1/2

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

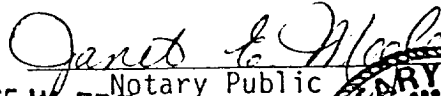
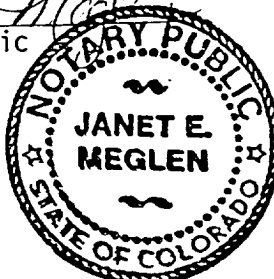
JACK GRYNBERG AND ASSOCIATES


MORRIS ETTINGER, Exploration Manager

STATE OF Colorado)
COUNTY OF Denver) ss.

On this 26th day of April, 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 80123


My commission expires:
NOV 5 1985