

DEVIATION SURVEY REPORT

RECEIVED

APR 15 1982

O. C. D.  
ARTESIA OFFICE

Re: OPERATOR: JACK GRYNBERG AND ASSOCIATES

WELL NAME: Hobbs Canyon Federal #1

WELL LOCATION: Section 12, T6S-R24E ✓  
1980' FSL & 660' FEL  
Chaves County, NM

TOTCO DEVIATION SURVEY:

<u>DATE</u>	<u>DEPTH/FT</u>	<u>DEVIATION/DEGREE</u>
2/10/82	474'	1/4
2/11/82	474'	1/4
2/12/82	920'	1/4
2/13/82	1403'	1/2
2/14/82	1927'	1/2
2/15/82	2908'	3/4
2/16/82	3435'	3/4
2/17/82	3934'	1 1/4
2/17/82	4110'	1 1/4

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



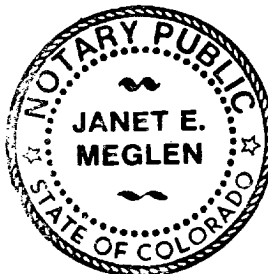
MORRIS ETTINGER, Exploration Manager


STATE OF Colorado )  
COUNTY OF Denver )

ss.

On this 13th 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 ST.  
LITTLETON, CO 80120

My commission expires:  
NOV 5 1985