

DEVIATION SURVEY REPORT

RECEIVED

JUL 1 1982

O. C. D.
ARTES A. OFFICE

Re: OPERATOR: JACK GRYNBERG AND ASSOCIATES ✓

WELL NAME: HOBBS CANYON FEDERAL #4

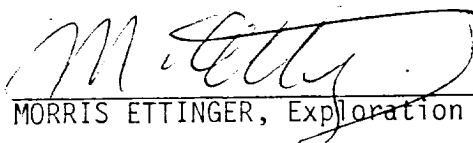
WELL LOCATION: 660' FNL & 660' FEL
Sec. 12, T 6 S - R 24 E
Chaves County, NM

TOTCO DEVIATION SURVEY:

<u>DATE</u>	<u>FOOTAGE/DEPTH</u>	<u>DEVIATION/DEGREE</u>
4/11/82	530'	1/2
4/12/82	854'	1/2
4/14/82	1368'	0
4/15/82	1890'	1/4
	2420'	1/2
4/16/82	2940'	1/2
4/17/82	3433'	0
4/18/82	4041'	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

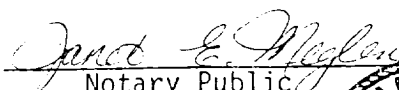
STATE OF COLORADO)
COUNTY OF DENVER) SS.

On this 24th day of May, 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.

My commission expires:

11-5-85


Notary Public
8065 W. FREMONT DR.
LITTLETON, CO 80123

