



KENNETH D. REYNOLDS - ARTESIA  
LESLIE K. EVERTSON - ROSWELL

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 2055 ROSWELL, NEW MEXICO 88201  
TELEPHONES: ARTESIA 505/746-6757  
ROSWELL 505/623-5070

July 28, 1978

Mewbourne Oil Co.  
1907 North Cielo  
Hobbs, New Mexico 88240

Att: Mr. Herman Cravey

Re: Federal "E" #4

Dear Sir:

The following is a Deviation Survey of the above well located in Lea County, New Mexico.

497' -  $1\frac{1}{2}^{\circ}$   
995' -  $3\frac{1}{4}^{\circ}$   
1220' -  $3\frac{1}{4}^{\circ}$   
1709' -  $3\frac{1}{4}^{\circ}$   
2177' -  $1^{\circ}$   
2643' -  $3\frac{1}{4}^{\circ}$

3140' -  $1^{\circ}$   
3638' -  $1^{\circ}$   
3838' -  $1^{\circ}$   
4159' -  $3\frac{1}{4}^{\circ}$   
4250' -  $3\frac{1}{4}^{\circ}$  T.D.

Yours very truly,

WEK DRILLING CO., INC.

*Arnold Newkirk*  
Arnold Newkirk

STATE OF NEW MEXICO )  
COUNTY OF CHAVES )

The foregoing was acknowledged before me this 28<sup>th</sup> day of July, 1978 by Arnold Newkirk.

My Commission Expires:

April 9, 1980

*Glenda Bea Newton*  
Notary Public