

ARAPAHOE DRILLING CO.
P. O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

JOHN E. SCHALK
MANAGING PARTNER

November 17, 1980

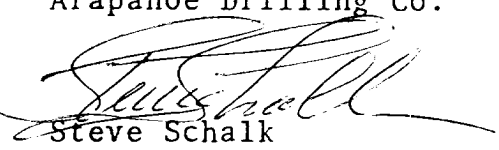
Fullerton Federal #5E
Section 15, Township 27 North, Range 11 West
San Juan County, New Mexico

Operator: Gulf Oil Corporation

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

DATE	DEPTH	DEVIATION
10-22-80	525'	1/2°
10-23-80	1000'	1/4°
10-23-80	1570'	1/2°
10-24-80	2100'	1/2°
10-24-80	2500'	1/4°
10-24-80	2778'	3/4°
10-26-80	3278'	1°
10-27-80	3764'	1°
10-29-80	4026'	1/2°
10-30-80	4500'	1/2°
11-01-80	5020'	1/2°
11-02-80	5540'	3/4°
11-03-80	6016'	3/4°
11-05-80	6500'	3/4°

Arapahoe Drilling Co.


Steve Schalk
Assistant Manager



STATE OF NEW MEXICO
COUNTY OF BERNALILLO

Subscribed and sworn to before me, a Notary Public,
on this, the 9th day of February, 1981, by Steve
Schalk, Assistant Manager of Arapahoe Drilling Co.

OFFICIAL SEAL
JOHN E. CUNNINGHAM
NOTARY PUBLIC - NEW MEXICO
My Comm. Expires: 3/7/83


Notary Public