

WELL NAME AND NUMBER Smith 4 Federal No. 2

Unit A

LOCATION 990' FNL & 395' FEL, Section 4, T20S, R33E, Lea County NM

OPERATOR Chesapeake Operating, Inc.

30-025-36730

DRILLING CONTRACTOR United Drilling, Inc.

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

Degrees @ Depth

Degrees @ Depth

Degrees @ Depth

1/2° 508'

1-1/2° 976'

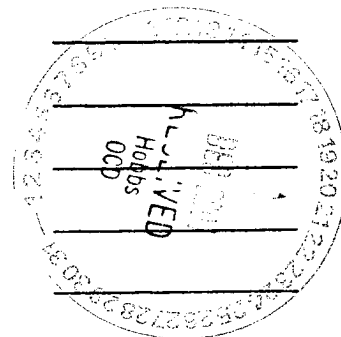
1-1/2° 1510'

1-1/2° 2014'

2° 2516'

2° 3018'

2° 3489'



Drilling Contractor United Drilling, Inc.

By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 20th day of August,
2004.

Carlene Martin
Notary Public

My Commission Expires: 10-04-04

Chaves New Mexico
County State