

WELL NAME AND NUMBER Log #4 Yates Woodchuck ABW State #1

LOCATION Section 13, T17S, R28E Eddy County
(Give Unit, Section, Township and Range)

OPERATOR Yates Petroleum Corporation

DRILLING CONTRACTOR McVay Drilling Company

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:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/2 196</u>	<u>1 6,769</u>	<u> </u>
<u>1/4 350</u>	<u>1/2 7,057</u>	<u> </u>
<u>1/4 681</u>	<u>1/2 7,650</u>	<u> </u>
<u>3/4 1,178</u>	<u>3/4 8,162</u>	<u> </u>
<u>1/4 1,676</u>	<u>1 8,266</u>	<u> </u>
<u>1/4 2,165</u>	<u>1 8,750</u>	<u> </u>
<u>3/4 2,655</u>	<u>1 9,275</u>	<u> </u>
<u>3/4 2,934</u>	<u>1 9,775</u>	<u> </u>
<u>1 3,430</u>	<u>3/4 10,272</u>	<u> </u>
<u>1 3,924</u>	<u>1 10,515</u>	<u> </u>
<u>1 4,422</u>	<u>3/4 10,760</u>	<u> </u>
<u>3/4 4,947</u>	<u> </u>	<u> </u>
<u>1 5,255</u>	<u> </u>	<u> </u>
<u>1 5,780</u>	<u> </u>	<u> </u>
<u>1 6,304</u>	<u> </u>	<u> </u>

Drilling Contractor McVay Drilling Company

By: Joe Alford

Subscribed and sworn to before me this 9th day of July, 1985

Phyllis Jean Courtright
Notary Public

My Commision Expires: December 27, 1987 Eddy County New Mexico