

February 10, 1997

WELL NAME AND NUMBER: HB "11" FEDERAL #3  
LOCATION: Sec.11 T24S R29E  
OPERATOR: SANTA FE ENERGY  
DRILLING CONTRACTOR: ZIADRIL, Inc.

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>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>	
1.00	385'	1.50	2940'	1.50	6389'
0.75	864'	0.50	3433'	1.75	6587'
1.00	1365'	0.75	3930'	2.25	6825'
1.25	1710'	1.25	4430'	1.75	6947'
1.00	1961'	1.00	4930'	2.25	7167'
0.75	2213'	1.75	5430'	2.00	7292'
1.34	2462'	2.00	5914'	1.50	7357'
1.25	2553'	2.50	6112'	1.00	7481'
1.25	2678'	2.50	6203'	0.75	7823'
1.50	2772'	1.75	6296'	0.50	8300'

Drilling Contractor: ZIADRIL, Inc.

By: Billy Jensen  
Billy Jensen

Subscribed and sworn to before me this 10th day of December.

My Commission Expires:  
December 7, 2000

Nancy A. Shelley  
Nancy A. Shelley