

OPERATOR: MARATHON OIL INC.  
LEASE NAME: MCDONALD STATE  
LOCATION: LEA County, New Mexico

ADDRESS: P.O. BOX 552 <sup>30-025-31184</sup>  
MIL AND, TX 79702  
WELL: #46 FIELD: \_\_\_\_\_  
1980/N + 760/E  
16-22-36

Measured Depth	Angle of Inc.	Displacement Per 100 ft.	Accumulative Displacement
223 *	0.25	0.44 *	0.9812
456 *	0.25	0.44 *	2.0064
986 *	0.50	0.87 *	6.6174
1403 *	1.00	1.75 *	13.9149
1903 *	1.00	1.75 *	22.6649
2150 *	1.00	1.75 *	26.9874
2395 *	1.25	2.18 *	32.3284
2549 *	1.25	2.18 *	35.6856
2703 *	2.50	4.36 *	42.4000
2827 *	2.50	4.36 *	47.8064
2933 *	3.25	5.67 *	53.8166
3026 *	3.50	6.10 *	59.4896
3088 *	2.75	4.80 *	62.4656
3488 *	1.50	2.62 *	72.9456
3980 *	1.50	2.62 *	85.8360

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

Cathy Pearce  
TITLE: DRILLING SECRETARY

AFFIDAVIT:

Before me, the undersigned authority, appeared Cathy Pearce known to me to be the person whose name is subscribed hereabove, who, on making deposition, under oath states that she is acting for and in behalf of the Operator of the well identified above, and that to the best of her knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Rebecca Edwards  
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 15 day of May, 1991.

Sharon L. Robinson  
Notary Public in and for the  
County of Midland, State of Texas.

