

INCLINATION REPORT

OPERATOR: Santa Fe Energy

ADDRESS: 500 West Illinois, Ste. 500  
Midland, TX 79701

LEASE NAME: West Shinnery 15 Fed  
LOCATION: Lea County, New Mexico

WELL: #1 FIELD: \_\_\_\_\_

214 *	0.50	0.87 *	1.8618
411 *	0.50	0.87 *	3.5757
894 *	0.75	1.31 *	9.9030
1389 *	1.00	1.75 *	18.5655
1904 *	1.00	1.75 *	27.5780
2245 *	1.00	1.75 *	33.5455
2404 *	1.00	1.75 *	36.3280
2902 *	1.00	1.75 *	45.0430
3393 *	0.75	1.31 *	51.4751
3855 *	1.25	2.18 *	61.5467
4348 *	0.75	1.31 *	68.0050
4845 *	0.75	1.31 *	74.5157
5340 *	1.75	3.05 *	89.6132
5840 *	2.00	3.49 *	107.0632
6330 *	2.00	3.49 *	124.1642
6635 *	1.75	3.05 *	133.4667
7134 *	1.75	3.05 *	148.6862
7629 *	1.75	3.05 *	163.7837
8100 *	1.00	1.75 *	172.0262
8582 *	1.00	1.75 *	180.4612
9081 *	1.25	2.18 *	191.3394
9577 *	0.50	0.87 *	195.6546
10070 *	0.75	1.31 *	202.1129
10565 *	1.00	1.75 *	210.7754
11000 *	2.00	3.49 *	225.9569

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

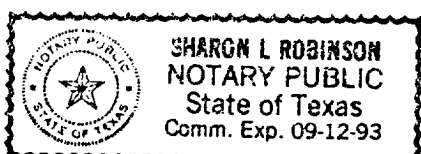
Cathy Pearce  
TITLE: DRILLING SECRETARY

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.

[Signature]  
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 10<sup>th</sup> day of January, 1991.



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