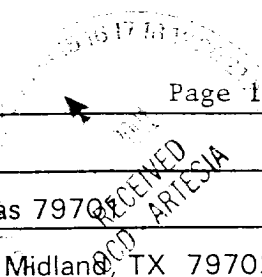


WELL NAME AND NUMBER Big Mac Federal Com #1 Page 1 of 2
 LOCATION Section 11, T-22-S, R-25-E, Eddy County, New Mexico
 OPERATOR Chi Energy Inc., 212 N. Main, Suite 200, Midland, Texas 79701
 DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P. O. Drawer 10970, Midland, TX 79702



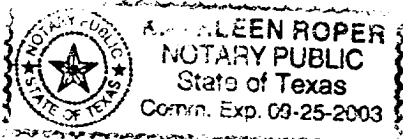
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1.00 @ 208'	1.00 @ 1,963'	1.50 @ 5,770'	.50 @ 8,084'
3.25 @ 361'	1.00 @ 2,075'	1.75 @ 5,988'	1.50 @ 8,303'
3.00 @ 390'	.75 @ 2,351'	1.00 @ 6,080'	2.00 @ 8,480'
2.50 @ 490'	.50 @ 2,728'	.75 @ 6,207'	1.50 @ 8,554'
2.75 @ 570'	1.00 @ 3,132'	1.25 @ 6,364'	1.75 @ 8,711'
2.75 @ 663'	.75 @ 3,541'	.75 @ 6,490'	1.50 @ 8,866'
2.25 @ 793'	.75 @ 3,948'	1.25 @ 6,615'	1.75 @ 8,960'
2.75 @ 1,013'	1.00 @ 4,361'	1.00 @ 6,680'	1.75 @ 9,084'
3.00 @ 1,115'	.75 @ 4,708'	2.00 @ 6,802'	2.00 @ 9,241'
2.75 @ 1,238'	2.00 @ 5,088'	1.50 @ 6,926'	1.75 @ 9,379'
3.00 @ 1,356'	1.75 @ 5,303'	1.50 @ 7,133'	1.50 @ 9,493'
2.75 @ 1,482'	2.00 @ 5,333'	1.50 @ 7,300'	1.75 @ 9,616'
2.00 @ 1,606'	2.00 @ 5,400'	1.25 @ 7,489'	1.50 @ 9,771'
2.00 @ 1,730'	1.50 @ 5,520'	1.00 @ 7,676'	1.00 @ 9,908'
1.75 @ 1,860'	2.00 @ 5,646'	1.00 @ 7,907'	1.25 @ 10,022'

Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeffrey D. Phillips
 Jeffrey D. Phillips, Vice President

Subscribed and sworn to before me this 27th day of March 2001



Kathleen Roper
 Notary Public Kathleen Roper

Commission expires: 9/25/03

Midland County, Texas

