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AUG - 7 2001

WELL NAME AND NUMBER Bradley 13 Federal #4

LOCATION Section 13, T-25-S, R-29-E, Eddy County, New Mexico

OPERATOR Pogo Producing Co., P.O. Box 10340, Midland, Texas 79702

DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P. O. Drawer 10970, Midland, TX 79702

MIDLAND

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
.75 @ 291'	1.00 @ 2,373'	1.25 @ 7,325'	
2.75 @ 934'	2.00 @ 2,752'	1.00 @ 7,608'	
3.00 @ 1,025'	2.00 @ 2,876'	3.00 @ 8,172'	
3.00 @ 1,118'	2.25 @ 3,008'	3.00 @ 8,203'	
3.00 @ 1,181'	2.00 @ 3,220'	3.00 @ 8,296'	
3.25 @ 1,244'	1.50 @ 3,419'	2.75 @ 8,590'	
3.25 @ 1,310'	1.25 @ 4,046'		
3.25 @ 1,369'	.75 @ 4,298'		
2.75 @ 1,437'	.75 @ 4,789'		
3.00 @ 1,500'	1.00 @ 5,082'		
3.00 @ 1,588'	1.00 @ 5,545'		
2.25 @ 1,755'	.75 @ 5,886'		
1.75 @ 1,845'	1.00 @ 6,169'		
1.50 @ 1,997'	1.50 @ 6,794'		
1.00 @ 2,184'	1.00 @ 7,076'		

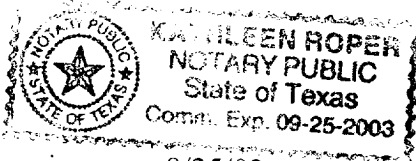
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CONFIDENTIAL

Drilling Contractor TMBR/Sharp Drilling, Inc.

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

Subscribed and sworn to before me this 3rd day of August 2001



Kathleen Roper  
Notary Public Kathleen Roper

Commission expires: 9/25/03

Midland County, Texas