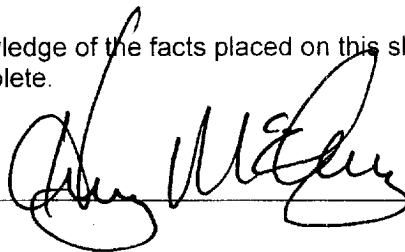


Deviation survey taken on Apache Corporation's Livingston #16 well in Lea County, New Mexico:

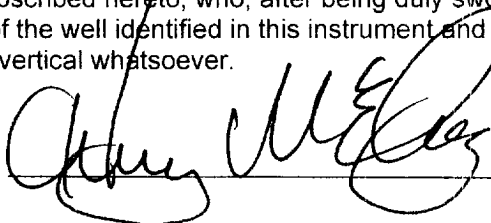
<u>Depth</u>	<u>Degree</u>
274	0.75
593	1.00
961	1.00
1,240	0.75
1,428	0.75
1,755	0.75
2,004	1.00
2,497	2.75
2,727	1.25
3,210	1.00
3,705	1.00
4,146	0.50
4,450	1.25

N-3-215-370
3240/s & 1839/w
30-025-35225

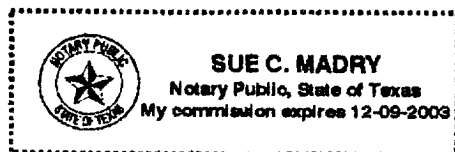
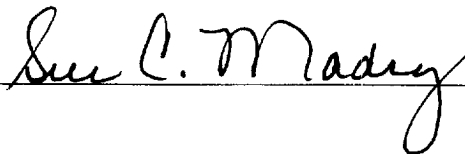
I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.



Before me, the undersigned authority, on this day personally appeared Henry McElroy, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.



SWORN AND SUBSCRIBED TO before me this 19th day of January, 2001.



REFERENCE SHEET FOR
UNDESIGNATED WELLS

1. Date:	2/20/01
2. Type of Well:	<u>Oil Well</u> Gas Well
3. County:	LEA

4. Operator Name:		API NUMBER	
Apache Corp		3D-D25-35225	
5. Address of Operator:			
2000 Post Oak Blvd Suite 100 Houston Tx 77056			
7. Lease name or Unit Agreement Name:		7. Well No.	
Livingston		16	
8. Well Location			
Unit Letter <u>N</u> : 3240 feet from the <u>S</u> line and 1839 feet from the <u>W</u> line			
Section <u>3</u> Township <u>21S</u> Range <u>37E</u> NMPM			
9. Completion Date:		11. Perfs top	
1/26/01		3879	
		bottom	
		4000	
10. Name of Producing Formation:		12. Open Hole casing shoe	
Grayburg		PBTD or TD	
14. C-123 Filed:		15. Name of Pool Requested:	
		Penrose Skelly Grayburg <50350>	
16. Remarks			
Ext			

TO BE COMPLETED BY DISTRICT GEOLOGIST											
17. POOL NAME									18. POOLID #		
T	S	R	E	T	S	R	E	T	S	R	E
Sec				Sec				Sec			
Sec				Sec				Sec			
Sec				Sec				Sec			

19. ADVERTISED FOR HEARING:		20. CASE NUMBER:	
21. Name of pool for which was advertised.			
22a. Placed in Pool		22b. By order number	