

WELL: R. E. Graham #5-7

LOCATION Sec. 7-188-32E Lea County, New Mexico 1989/8 + 1910/W
(Give Unit, Section, Township, And Range)

OPERATOR Helmerich & Payne, Inc. Utica at 21st Tulsa, OK 74114

DRILLING CONTRACTOR Exeter Drilling Company

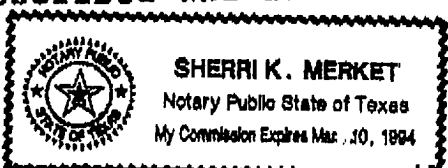
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1/2° 330'	2 3/4° 6,061'	1° 9,695'
3/4° 645'	3° 6,249'	2° 10,390'
1/2° 1,056'	3 1/2° 6,434'	3/4° 10,700'
3/4° 1,380'	3 1/2° 6,537'	
3/4° 1,629'	3 3/4° 6,649'	
3/4° 1,938'	3 1/2° 6,774'	
3/4° 2,362'	3 1/2° 6,868'	
1° 2,764'	3° 6,990'	
3/4° 3,103'	3° 7,190'	
1/2° 3,580'	3 1/4° 7,438'	
1° 4,028'	3° 7,594'	
1° 4,551'	2 3/4° 7,749'	
2° 5,010'	3° 7,999'	
2 1/4° 5,292'	2 3/4° 8,387'	
2 3/4° 5,567'	2 3/4° 8,700'	
2 3/4° 5,812'	1 1/2° 9,194'	

Drilling Contractor Exeter Drilling Company

By Bruce D. Houtchens
Bruce D. Houtchens, Vice President-Southern Division

Subscribed and sworn to before me this 26th day of March, 1991



Sherri K. Merket
Notary Public Sherri K. Merket