

DEVIATION SURVEY:

Operator: Charles B. Read  
Well No. & Lease: #1 Apache  
Location: 660 FSL & 510 FSL, Sec. 3-10E-33N,  
Lea County, New Mexico

| <u>Depth</u> | <u>Degree</u> | <u>Depth</u> | <u>Degree</u> |
|--------------|---------------|--------------|---------------|
| 120          | 1/4           | 6355         | 1-3/4         |
| 355          | 1/2           | 6790         | 2             |
| 860          | 1/4           | 7150         | 1-1/2         |
| 1375         | 1/4           | 7467         | 1-1/2         |
| 1870         | 1/2           | 8051         | 2-1/2         |
| 2470         | 1-1/2         | 8232         | 2-1/4         |
| 2820         | 2-1/4         | 8436         | 2-1/4         |
| 3060         | 1-3/4         | 8528         | 3             |
| 3260         | 1-1/4         | 8665         | 3             |
| 3760         | 1-1/4         | 8821         | 2-1/4         |
| 3900         | 2             | 9020         | 2             |
| 4400         | 1-1/2         | 9230         | 1-1/2         |
| 4920         | 3/4           | 9405         | 2             |
| 5280         | 1             | 9510         | 2-1/4         |
| 5930         | 2-1/4         | 9660         | 1-1/4         |

I do certify that the above information was furnished by Marcum Drilling Company and is true and complete to the best of my knowledge.

Charles B. Read  
Charles B. Read

Subscribed and sworn to and before me this 11th day of August, 1967.

My Commission Expires:

MY COMMISSION EXPIRES SEPT. 11, 1968

Johnnie L. Burrows  
Notary Public in and for Chaves  
County, New Mexico