

SHELL OIL COMPANY

MIDDLETON-FEDERAL WELL NO. 1

SE/4, NE/4, Section 18-19S-32E

Lea County, New Mexico

DEVIATION RECORD

1522' = 1/2 deg.
3676' = 2 1/4 deg.
4584' = 1 deg.
4789' = 1 deg.
5150' = 1/4 deg.
5290' = 1/2 deg.
5400' = 3/4 deg.
5940' = 1/2 deg.
7410' = 3 deg.
7680' = 2 deg.
7750' = 2 deg.

7930' = 1 3/4 deg.
8300' = 3/4 deg.
8625' = 1 deg.
8835' = 1 deg.
8925' = 1 1/4 deg.
9147' = 1 1/4 deg.
9221' = 1/2 deg.
9765' = 3/4 deg.
9940' = 1 deg.
10,071' = 1 deg.
10,491' = 1 1/2 deg.

10,598' = 1 deg.
10,782' = 1 3/4 deg.
10,898' = 1 3/4 deg.
11,156' = 1 3/4 deg.
11,306' = 1 deg.
11,450' = 1 1/2 deg.
11,606' = 1 3/4 deg.
11,765' = 1 1/2 deg.
11,950' = 1 1/4 deg.
12,118' = 3/4 deg.
12,455' = 1 1/4 deg.

THE STATE OF NEW MEXICO
COUNTY OF CHAVES

BEFORE ME, The undersigned authority, on this day personally appeared V. L. King known to me to be the person whose name is subscribed to the ~~above~~ above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN To before me, this the 11th day of September, 19 62

April L. Garrison
Notary Public in and for Chaves County, New Mexico

My Commission Expires February 7, 1965.