

WELL NAME AND NUMBER Astec Federal 14 #2
 LOCATION 1980' FNL & 1980' FWL, Section 14, Township 20 South, Range 34 East, Lea County, New Mexico
 OPERATOR Southwestern Natural Gas, Inc.
 DRILLING CONTRACTOR McVay Drilling Company

DEVIATION TESTS

Degrees @ Depth

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1/4 @ 209'
 1 1/4 @ 405
 3/4 @ 650
 1/2 @ 1140
 1/2 @ 1630
 1 @ 2110
 3/4 @ 2428
 1 1/4 @ 2712
 2 3/4 @ 2961
 2 1/2 @ 3055
 2 @ 3166
 1 3/4 @ 3260
 3/4 @ 3384
 2 1/4 @ 3510
 1 3/4 @ 3633
 2 1/2 @ 3710
 1 3/4 @ 3895
 2 1/2 @ 5045
 1 1/4 @ 5570
 1 1/4 @ 6040
 1 @ 6650

3/4 @ 7208
 1/2 @ 7850
 1/2 @ 8310
 1 1/2 @ 9245
 3/4 @ 10050
 3/4 @ 10230
 1 1/2 @ 11060
 3/4 @ 11645
 1 @ 11865
 1 @ 12110
 1 @ 12275
 3/4 @ 12410
 1 1/2 @ 12547
 1 @ 12675
 2 @ 13178
 2 @ 13280

RECEIVED
 JUNE 17 1969
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 ALBUQUERQUE, NEW MEXICO

Witness My hand and seal this 17th day of November 1969.

Jim McVay
 JIM McVAY

STATE OF NEW MEXICO)
 County of Lea) ss.

The foregoing instrument was acknowledged before me this 17th day of November 1969 by Jim McVay, McVay Drilling Company.

Lilian Hoffman Koenig
 Lilian Hoffman Koenig, Notary Public

My Commission Expires January 12, 1973