

**AFFIDAVIT**

STATE OF ARKANSAS   )  
                                  ) SS  
COUNTY OF UNION     )

Before me, the undersigned authority, on this day personally appeared Leroy L. Duncan of 200 Jefferson Avenue, El Dorado, Arkansas, known to me to be a credible person of legal age, who after being by me first duly sworn, on oath, deposes and says:


On June 30, 1963, deviation tests were conducted by employees of Stone Drilling Inc. in Murphy Corporations' Navajo "AA" Well #4 located 2310' from the North line and 330' from the West line of Section 17-T32N-R17W, San Juan County, New Mexico.

Technical Oil Tool Corporation equipment was used as follows:

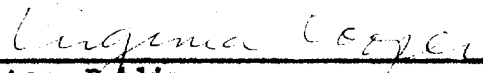
1. First survey at approximate depth of 500' below the surface indicated a drift of 1° from verticle.
2. Second survey at approximate depth of 1023' below the surface indicated a drift of 1½° from verticle.
3. Third survey at approximate depth of 1500' below the surface indicated a drift of 2° from verticle.

The records of the above surveys are on file in the office of Murphy Corporation in El Dorado, Arkansas.

Affiant further states that he is a duly authorized agent of Murphy Corporation, owner and operator of the above named well.

  
Leroy L. Duncan  
Production Supt.-Direct Operations

SUBSCRIBED AND SWORN TO, before me, this the 19th day of August, A. D., 1963.

  
Notary Public

My Commission Expires:

1-2-65

