

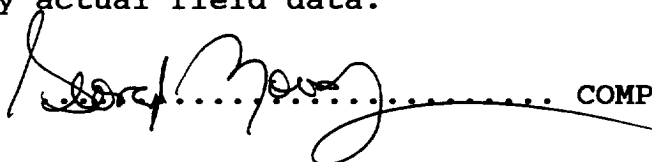
SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

PHILLIPS PETROLEUM COMPANY

Well Name : PHILLIPS/JAMES E FEDERAL #15  
Location : EDDY COUNTY, NEW MEXICO  
SHL :  
BHL :  
ACTUAL BHL :  
Date Surveyed : 10/11/93  
Job No. : 32D0893234  
Survey Performed By : C. WOOLFOLK

This survey is correct to the best of my knowledge  
and is supported by actual field data.

..... COMPANY REPRESENTATIVE