



P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

SURVEY CERTIFICATE

STATE OF TEXAS  
COUNTY OF MIDLAND

I, Gary Despain, in the employ of Eastman Whipstock, Inc. did on the days of February 23,, 19 83 thru February 24,, 19 83 conduct or supervised the taking of a Magnetic Multi Shot survey by the use of a magnetic orientation from a depth of 6,218 feet to 6,261 feet, with readings of inclination and direction being obtained at intervals of 3 feet.

This survey was conducted at the premises of Arco Oil & Gas Company for their Empire ABO Unit F Well #354, Eddy County, State of New Mexico, in the \_\_\_\_\_ field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

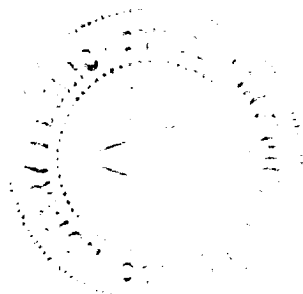
Gary Despain  
DIRECTOR OF SUPERVISOR/SURVEYOR

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Tim Stephens

Before me, the undersigned authority, on the day personally appeared Gary Despain, known to me to be the person whose name is subscribed to the instrument, who after being by me duly sworn on oath, states that he has knowledge of all the foregoing above and that this instrument is a true statement of facts as herein recited.

Subscribed and sworn to before me on this 17th day of April, 19 83



Gary W. Steinkamp  
Notary Public in and for the County  
Midland, Texas  
My commission expires 7/9/85