

**SMITH INTERNATIONAL**

Smith International, Inc.

SURVEY CERTIFICATION

COMPANY TERRA RESOURCES INC. WELL NAME & NO. TERRA FEDERAL 22 COM. #1  
DATE of CERTIFICATION 07-04-88 LOCATION CHAVES COUNTY, N.M.  
TYPE of SURVEY MAGNETIC MULTISHOT FROM 5294' TO 7970'  
JOB NUMBER 11668806003 TICKET NUMBER 0203

THE ABOVE SURVEY WAS PERFORMED BY ME ON 07-04- 19 88  
THE RESULTS OBTAINED FROM ACTUAL FIELD DATA CONFORM TO ESTABLISHED STANDARDS AND ARE  
TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

GARY DESPAIN BY: GARRY HENDRIX/  
SURVEYOR/DIRECTIONAL DRILLER

FILM TRANSFER RECEIPT

I HEREBY ACKNOWLEDGE RECEIPT OF ORIGINAL FILM OBTAINED ON THE ABOVE SURVEY.

DATE RECEIVED \_\_\_\_\_ 19 \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

SURVEY CONFIRMATION

I HAVE EXAMINED THE ABOVE SURVEY AND FOUND THE DATA AND RESULTS ACCEPTABLE ACCORDING  
TO CURRENT SMITH DRILLING SYSTEMS STANDARDS.

THOMAS WRIGHT/

SII - REPRESENTATIVE