

**SMITH  
INTERNATIONAL**

Smith International Inc.

SURVEY CERTIFICATION

COMPANY TERRA RESOURCES INC. WELL NAME & NO. TERRA FEDERAL 22 COM. 1

DATE of CERTIFICATION 06-07-88 LOCATION CHAVES COUNTY, N.M.

TYPE of SURVEY MAGNETIC MULTISHOT FROM SURFACE TO 227'

JOB NUMBER 11668806003 TICKET NUMBER 0186

THE ABOVE SURVEY WAS PERFORMED BY ME ON 06-07- 19 88

THE RESULTS OBTAINED FROM ACTUAL FIELD DATA CONFORM TO ESTABLISHED STANDARDS AND ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

GARRY HENDRIX/

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/

Thomas Wright  
SII - REPRESENTATIVE