

**SMITH**  
**INTERNATIONAL**  
Smith International, Inc.

SURVEY CERTIFICATION

COMPANY MWJ PRODUCING COMPANY WELL NAME & NO. BAUM STATE # F-2  
DATE of CERTIFICATION 03-31-89 LOCATION LEA COUNTY, NEW MEXICO  
TYPE of SURVEY GYROSCOPIC MULTISHOT FROM SURFACE TO 4300'  
JOB NUMBER 1166890005 TICKET NUMBER 27070

THE ABOVE SURVEY WAS PERFORMED BY ME ON 03-31- 19 89  
THE RESULTS OBTAINED FROM ACTUAL FIELD DATA CONFORM TO ESTABLISHED STANDARDS AND ARE  
TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

JOHN WILLY / John Willy  
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