

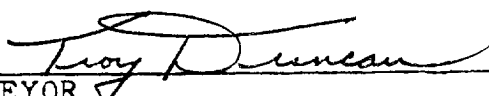
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SCIENTIFIC DRILLING CONTROLS

SURVEY CERTIFICATION

COMPANY Amoco Production Co. WELL NAME & NO. South Hobbs Unit 177
DATE of CERTIFICATION Nov. 28, 1984 LOCATION Lea county, N.M.
TYPE of SURVEY Mag. multishots FROM -0- TO 4330 ft. MD
JOB NUMBER 132-D-1184-113 TICKET NUMBER 100526

THE ABOVE SURVEY WAS PERFORMED BY ME ON 11-13-84 19____
THE RESULTS OBTAINED FROM ACTUAL FIELD DATA CONFORM TO ESTABLISHED
STANDARDS AND ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.



SURVEYOR
Troy Duncan

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 SCIENTIFIC DRILLING CONTROLS STANDARDS.



S.D.C. REPRESENTATIVE
Troy Duncan